ANNUAL REPORT

2008-2009

UNIVERSITI
TEKNOLOGI
PETRONAS

ANNUAL REPORT 2008 – 2009
(1 January 2008 – 31 March 2009)

Contents

Corporate Profile

4 Vision and Mission

5 University Profile

6 Logo Rationale

The University Team

8 Chancellor

10 Pro-Chancellor

12 Rector

14 Board of Directors

19 Management Committee

24 Senate

30 Academic Advisory Council

35 Industry Advisory Panel

38 International External Examiners

The Report

42 Chairman's Review

44 Rector's Report

The Annual Review

58 Main Events

72 Academic Overview

113 Research & Development

119 Student Achievements and Activities

Corporate Profile

Vision & Mission

Vision

To be a leader in Technology Education and Centre for Creativity and Innovation.

Mission

- UTP is an institute of higher learning. We provide opportunities for the pursuit of knowledge and expertise for the advancement of engineering, science and technology to enhance the nation's competitiveness.
- Our objective is to produce well-rounded graduates who are creative and innovative with the potential to become leaders of industry and the nation.
- Our aim is to nurture creativity and innovativeness and expand the frontiers of technology and education for the betterment of society.

University Profile

Universiti Teknologi PETRONAS (UTP) was established on 10 January 1997, when PETRONAS was invited by the Malaysian Government to set up a university.

The campus is built on a 400 hectare (1,000 acre) site strategically located at Bandar Seri Iskandar, Perak Darul Ridzuan, Malaysia. The University is a wholly-owned subsidiary of PETRONAS, the national oil company of Malaysia.

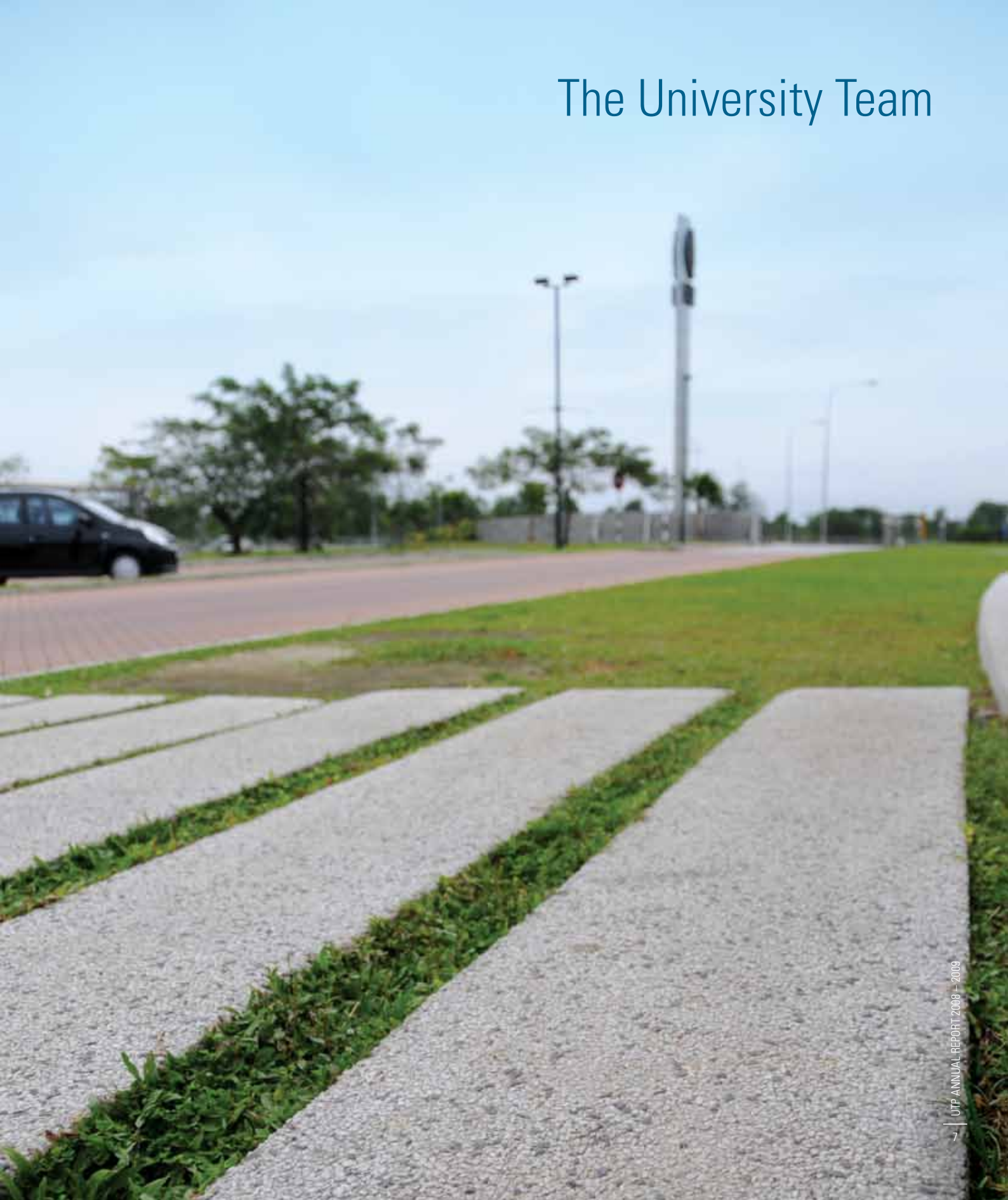
UTP offers a wide range of engineering and technology programmes at undergraduate and postgraduate levels complemented with a strong focus on Research and Development. All the programmes are designed with high industry relevance to provide a dynamic learning environment. The University is located in a beautifully landscaped setting, amidst the new township of Bandar Seri Iskandar, and its community comprises students and staff from various countries. Its peaceful environment, wide open spaces and abundant lakes make these serene surroundings an ideal place to study.

Logo Rationale

- Relates to the concept of renaissance, birth and nurturing of the mind for national advancement of the highest order.
- Simulates the bloom of a floral bud while injecting a graphic outline of the PETRONAS Twin Towers.
- Reflects the beginning of a journey towards new standards in higher education.
- Gold to denote light and deep pastel blue to signify peace and tranquility.

UNIVERSITI
TEKNOLOGI
PETRONAS

The University Team



Chancellor

Tun Dr Mahathir bin Mohamad

Born on 20 December 1925 in Kampung Seberang Perak, Alor Setar, Tun Dr Mahathir bin Mohamad started school at Sekolah Melayu Seberang Perak in 1930. He was there for two years, before continuing his education at the Government English School (now known as the Sultan Abdul Hamid College) in Alor Setar. During the Japanese Occupation from 1941 to 1945, he stopped school. After the Japanese surrendered, Tun Mahathir resumed his education and received the Senior Cambridge Certificate in the same year.

Upon completing his secondary education in 1947, Tun Mahathir received a partial scholarship from the Government to study medicine at the King Edward VII Medical College – the forerunner of the University of Malaya – in Singapore. In 1953, Tun received his MBBS degree from the University of Malaya and immediately began housemanship in Penang. From 1954 to 1957, Tun served the Government as a Medical Officer in Alor Setar, Langkawi and Perlis. In June 1957, Tun went into private practice. Later that year, he opened his own MAHA Clinic in Jalan Tunku Ibrahim, Alor Setar – the first Bumiputera private clinic in the state.

Tun's political involvement began in 1945, when he joined various organisations like Kesatuan Melayu Kedah, Seberkas and Kesatuan Pemuda Melayu Kedah. Whilst still at school, he was also actively involved in the anti-Malayan Union campaign. In 1946 he became a member of the United Malays National Organisation (UMNO). In 1964, Tun contested in the General Elections, won the Kota Setar Selatan constituency and became a Member of Parliament. It was when he became the Chairman of Food Industries of Malaysia (FIMA) in 1973 that he honed his administrative capabilities.

In 1974, Tun was appointed Minister of Education in Tun Razak's cabinet. In March 1976, Tun was named Deputy Prime Minister by Tun Hussein Onn. On 16 July 1981, Mahathir became the fourth Prime Minister of Malaysia, a position he held for 22 years. He retired on 31 October 2003.

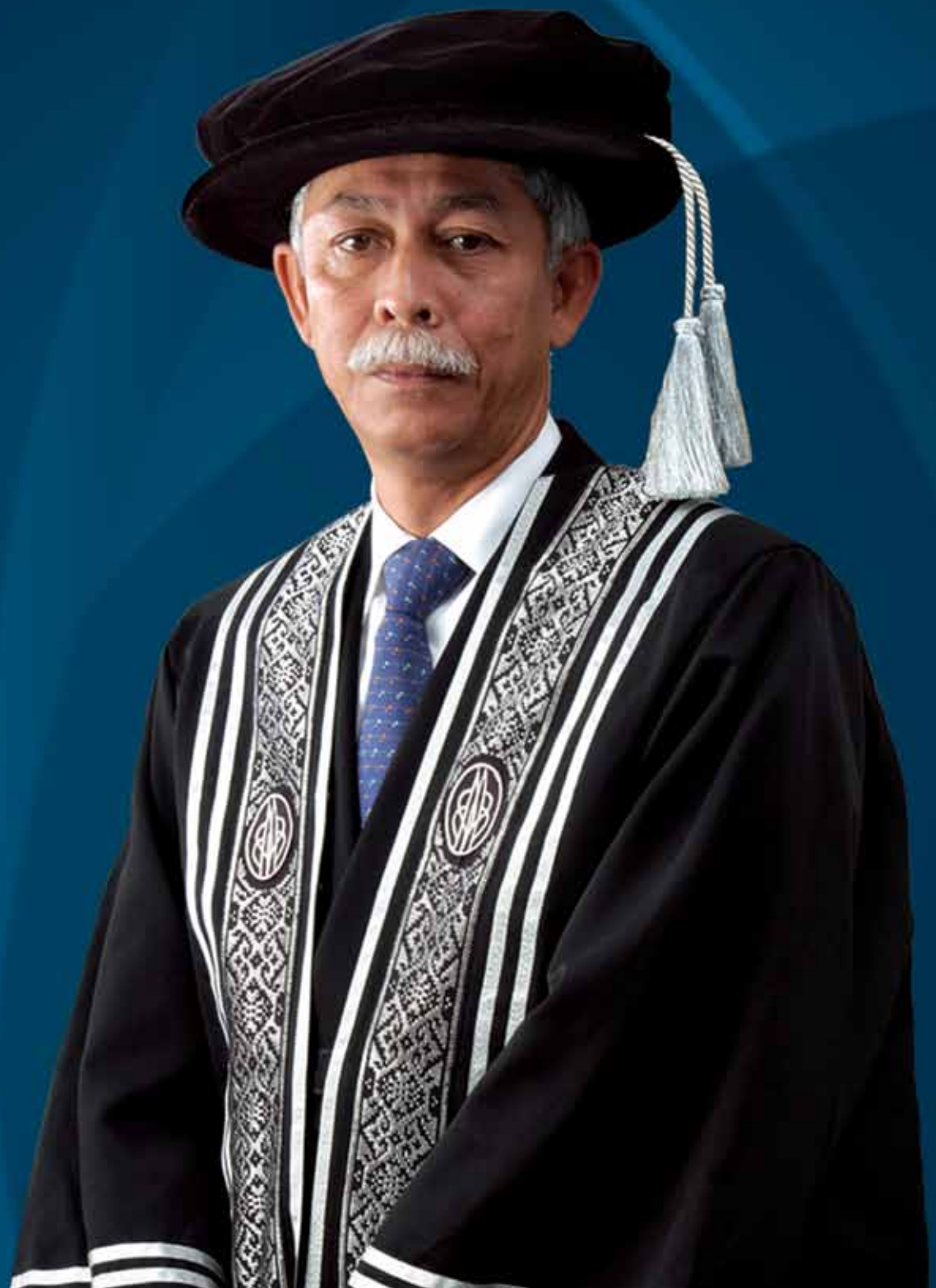
Under the stewardship of Tun, Malaysia has witnessed unprecedented economic growth especially in manufacturing, infrastructure, information technology and oil and gas.

In recognition of his outstanding contributions to nation building, Tun received numerous prestigious fellowships, awards and honours from universities and academic institutions, both locally and internationally, Honorary Member, Academy of Medicine (1983), Honorary Member, Malaysian Medical Association (1984), Honorary Fellowship of the Royal College of Surgeons, Ireland (1991), Honorary Fellowship, Academy of Sciences Malaysia (1996), Honorary Fellowship, Royal College of Physicians of Edinburgh (1997), Honorary Professor, Kyrgyz University (1996), Honorary Doctorate in Humanities, National University of Mongolia (1997), and Honorary Doctorate of Literature, and Al-Azhar University (1998), to name a few.

In 2001, in recognition of his dedication to promoting human resource development in Malaysia through educational and technological exchange with global perspective, Tun was awarded the Honorary Doctorate by Meiji University, one of the prestigious universities in Japan. After his retirement, he continued to receive various honours. These include an Honorary Doctorate in the field of management and engineering from Universiti Teknologi Malaysia (2003), and the Honorary Degree of the Doctor of Letters, Universiti Islam Antarabangsa (2003) for his distinguished contributions as a Muslim writer and an outstanding intellectual.

Pro-Chancellor

Tan Sri (Dr) Mohd Hassan Marican



A Fellow of the Institute of Chartered Accountants in England and Wales, as well as a member of the Malaysian Institute of Accountants and the Malaysian Institute of Certified Public Accountants, Tan Sri (Dr) Mohd Hassan Marican was born in Sungai Petani, Kedah in 1952.

Having received his early education from Malay College Kuala Kangsar, Tan Sri Hassan left for London in 1972 to join accounting firm Touche Ross & Co as an article clerk before becoming a qualified Chartered Accountant. Tan Sri Hassan returned to Malaysia in 1980 to work with Public Accountants Tetuan Hanafiah Raslan & Mohamad/Touche Ross & Co and became a partner a year later. He was called to serve PETRONAS as Senior Vice President of Finance in 1989 and was appointed President and Chief Executive Officer of PETRONAS in 1995.

Tan Sri Hassan has received numerous awards – among them the Panglima Setia Mahkota (PSM) in 1997 (carrying the title Tan Sri), the Bintang Darjah Seri Paduka Mahkota Terengganu (SPMT) in 1996 and Darjah Sultan Mahmud Terengganu Yang Amat Terpuji (DSMT) in 1992 (both carrying the title Dato'), the Panglima Negara Bintang Sarawak (PNBS) in 2003 (carrying the title Dato Sri), Darjah Seri Setia DiRaja Kedah (SSDK) in 2008 (carrying the title Dato' Seri). He was also awarded the "Commandeur De La Legion D'Honneur" by the French Government in 2000, the "Friendship Medal" by the Vietnamese Government in 2001, and the Honorary Doctorate in Engineering by Universiti Malaya in 2001.

A member of the PETRONAS Board of Directors and Chairman of two public listed companies under the Group – PETRONAS Gas Berhad and MISC Berhad – Tan Sri Hassan is also the Chairman of Engen Limited, a PETRONAS subsidiary and South Africa's leading oil refining and marketing company.

Beyond PETRONAS, Tan Sri Hassan is a board member of the Central Bank of Malaysia and a member of the board of the Malaysia-Thailand Joint Authority, which oversees petroleum development in the overlapping area between Malaysia and Thailand. He is also a member of the International Investment Council for the Republic of South Africa, a board member of the World Economic Forum's (WEF) Partnering Against Corruption Initiative (PACI) as well as a member of the WEF's Council of 100 Leaders.

Rector

Datuk Dr Zainal Abidin Haji Kasim

Datuk Dr Zainal completed his A-Levels in Cardiff, United Kingdom under the MARA Scholarship programme in 1973. In 1976, he received his BSc. in Chemistry/Polymer Science from Loughborough University of Technology, UK and in 1980, his MSc. in Petrochemical/Hydrocarbon Chemistry from UMIST, UK under the PETRONAS sponsorship.

In September 1976, he began his long and illustrious career with PETRONAS at the Laboratory Services Department. This department later became the Petroleum Research Institute (PRI), and was subsequently renamed PETRONAS Research & Scientific Services Sdn Bhd (PRSS).

From 1990 to 1996, Datuk Dr Zainal served as Senior Manager of Process Technology, PRSS, before being appointed General Manager of its Research Division. Simultaneously from 1990 to 1994, he read his PhD in Aromatisation of LPG using Zeolite Catalysts at the Insitut Francais du Petrole (IFP) in conjunction with the University of Paris VI.

In 2000, he was appointed the General Manager of PETRONAS Technology Resource Management Division (TRM). TRM has since been restructured and is now known as the Technical Services Division (TSD). On 1 April 2004, Datuk Dr Zainal became the General Manager of Group Technology and Capability Management.

Throughout his career in PETRONAS, Datuk Dr Zainal has been fully involved in the development of PRSS. He now heads the PETRONAS Technology Advisory Committee that approves and monitors research works within PETRONAS. Datuk Dr Zainal is also one of the key personnel responsible for the groupwide implementation of the Technical Professional Career Progression (TC/PCP) scheme.

Datuk Dr Zainal joined the University as the Rector in 2005.

Board of Directors

Chairman

Datuk Ainon Marziah Wahi

Members

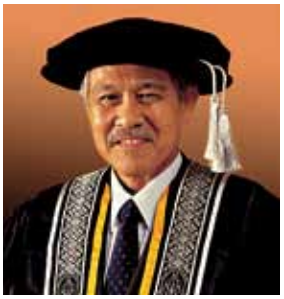
Tan Sri Dato' Mohamad Noordin Hassan
Datuk Dr Rosti Saruwono (until 28 February 2009)
Datuk Anuar Ahmad
Juniwati Rahmat Hussin (from 1 March 2009)
Samsudin Miskon
Dr Hamzah B Abdul Hamid
Datuk Dr Zainal Abidin Haji Kasim

Company Secretary

Zainalabidin Ismail (until 16 November 2008)
Maliki Kamal bin Mohd Yasin (from 17 November 2008)

Chairman Datuk Ainon Marziah Wahi

Datuk Ainon was appointed to the Board on 1 October 2002. In March 2005, she became the third Chairman of ITPSB following the demise of the late Tan Sri Dato' Seri Azizan Zainul Abidin. Backed by more than 28 years of experience, Datuk Ainon has held various positions in PETRONAS. She holds a bachelor's degree in Anthropology and Sociology from University of Malaya (1973) and an MSc in Industrial Relations from University of Strathclyde, UK (1976). Datuk Ainon was the Vice President of Human Resource Management PETRONAS, a position she held from 2002 until 2009.



Member Tan Sri Dato' Mohamad Noordin Hassan

Tan Sri Dato' Mohamad Noordin is one of the founding members of Institute of Technology PETRONAS Sdn Bhd. He was appointed as a member of the Board of Directors on 26 July 1995. Tan Sri is a graduate of University of Malaya with a BA (Hons) in Economics. He also holds a Masters degree in Public and International Affairs from University of Pittsburgh, USA. Tan Sri has more than 35 years of experience in the service of the government of Malaysia where he served in various capacities at district, state and federal levels including as Deputy Secretary General, Ministry of Trade & Industry; Secretary General, Ministry of Science, Technology and Environment; and Secretary General, Ministry of Education. He was the Vice President of PETRONAS and was instrumental in the establishment of the University. Today, Tan Sri is the Chairman of DNP Holdings Sdn Bhd, and he also sits in on the Board of UMW Holdings Sdn Bhd and Ruby Quest Sdn Bhd, two public-listed companies under Bursa Malaysia. Tan Sri also holds directorships in several subsidiaries in DNP Group.

Member Datuk Dr Rosti Saruwono (until 28 February 2009)

Datuk Dr Rosti received his BE (Mechanical Engineering) from the University of Queensland, Australia in 1973. From 1974 to 1980, he started his career with the Ministry of Labour and Manpower as the Principal of the Industrial Training Institute, Kuala Lumpur. In 1980, he began his career at PETRONAS. After obtaining an MBA from The Henley Management College, Brunel University, UK, Datuk Dr Rosti became the Manager of Institute Latihan Perindustrian Petroleum (ILPP) in Kuala Terengganu. This began his illustrious career in education and training. Later on, Datuk Dr Rosti joined the Group Manpower Planning and Development Department before being appointed as Deputy General Manager, Human Resource Division from 1988 to 1990. From 1990 to 1993, Datuk Dr Rosti pursued his PhD in Business Studies at The Henley Management College where he was also a Research Associate. Upon the completion of his PhD, he was appointed as MD/CEO of PETRONAS Management Training Sdn Bhd (PERMATA). Subsequently in 1995, he was appointed as the MD/CEO of ITPSB to spearhead the establishment of Universiti Teknologi PETRONAS. Datuk Dr Rosti was the Vice President of Education PETRONAS, a position he has held since 1st March 2004.

Member Datuk Anuar Ahmad

Datuk Anuar Ahmad, aged 52, holds a Bachelor of Science Degree (Econs) from the London School of Economics & Political Science, University of London and has attended Harvard Business School's Advanced Management Programme (AMP). He joined PETRONAS in 1977 and is currently the Vice President, Human Resource. He was the MD/CEO of PETRONAS Dagangan Berhad from 1 July 1998 till 30 September 2002. He is also a member of PETRONAS' Board and also sits on the Board of several companies within the PETRONAS Group. Datuk Anuar was appointed a member on ITPSB Board on 1 August 2005

Member Juniwati Rahmat Hussin (from 1 March 2009)

Juniwati Rahmat Hussin holds a Bachelor of Science Degree (Hons) in Chemistry from the University of Kent in Canterbury, UK. She has attended several advanced management courses such as the GE Advanced Manager Course, INSEAD Senior Management Development Programme, Certificate in International Management and the HENLEY Business School Advanced Management Programme, UK. She was the recipient of the PETRONAS' Excellent Service Award in 1981.

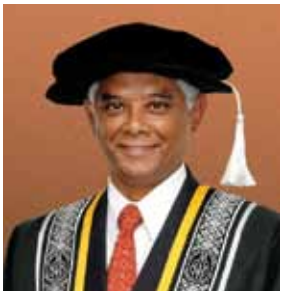
She joined the Malaysian National Oil Company, Petroliam Nasional Berhad (PETRONAS) in 1981 and is currently the Vice President, Education Division, PETRONAS. Prior to assuming this position, she has held various Technical and Non-Technical positions across the PETRONAS Group.

Her experience covers a wide range of areas. She started her career in the Oil Refining Business covering various positions such as an Analytical Chemist, Process Engineer, Production Planner and Project Engineer. With about 12 years hands-on experience in the Oil Refinery, she moved to the Corporate Headquarters to take up a managerial position in Corporate Planning and Business Development Division. It was during her 7 years tenure that PETRONAS expended aggressively internationally and also ventured into the Petrochemical Business. The next obvious move was to Human Resources Division where her portfolio covered Manpower Planning, Recruitment and Job Evaluation. After 3 years with HR, she spent another 3 years with the Petrochemical Business but this time Marketing and Trading of Petrochemical products. From the selling of petrochemical products, she had the opportunity to "sell" classical music concerts when she headed the Malaysian Philharmonic Orchestra for 3 years as the CEO.

Juniwati is also very active in sports and was a competitive swimmer and tennis player in her student days. She was appointed to ITPSB Board on 2 March 2009.

Member Samsudin Miskon

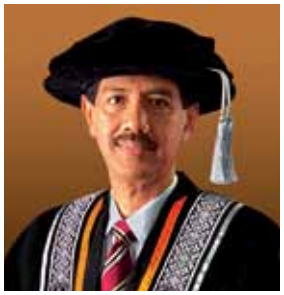
Samsudin Miskon, graduated with BSc (Hons) Chemical Engineering from Aston University, UK in 1983. Samsudin joined PETRONAS upon graduation and in 1994 did his masters degree in Project Management at University of Reading, UK. In 1997 he attended INSEAD, France for the Diploma in International Management and in 2005 he underwent the Advanced Management Programme at Harvard Business School, USA. He is currently the Managing Director/CEO of PETRONAS Gas Berhad and also sits on the Board of several companies within the PETRONAS Group. Samsudin was appointed an ITPSB Board member on 1 August 2005.



Member Dr Hamzah Abdul Hamid

Dr Hamzah has been with PETRONAS for over 30 years and currently serves as Head of Group Research / CEO of PETRONAS Research within the Research and Technology Division of PETRONAS.

Graduated from University College Cardiff, University of Wales in late 1977 and joined PETRONAS as Chemist, pioneering the Laboratory Services Department in 1978. He was awarded scholarships to further his studies while in PETRONAS. He obtained his Masters degree in 1984, and his PhD in Catalysis in 1991.



Member (Rector/CEO) Datuk Dr Zainal Abidin Haji Kasim

A graduate of BSc. in Chemistry/Polymer Science from Loughborough University of Technology, UK, in 1976, Datuk Dr Zainal Abidin Haji Kasim joined the ranks of PETRONAS in September 1976. He pursued an MSc. in Petrochemical/ Hydrocarbon Chemistry from UMIST, UK in 1980 on PETRONAS' sponsorship. Datuk Dr Zainal started his career at Laboratory Services Department (now PETRONAS Research & Scientific Services Sdn Bhd or PRSS). He was the Senior Manager, Process Technology (1990 to1996), before being appointed as the General Manager of its Research Division. He obtained his PhD in Aromatisation of LPG using Zeolite Catalysts at the Insitut Francais du Petrole (IFP) in 1994. Throughout his career in PETRONAS, he was fully involved in the development of PRSS and led the PETRONAS Technology Advisory Committee which approves and monitors research work within PETRONAS. In 2005 Datuk Dr Zainal took the helm of UTP as the Rector and was appointed as a Board Member of ITPSB on 16 March 2005.

Company Secretary Zainalabidin Ismail (until 16 November 2008)

Zainalabidin Ismail, aged 52, is the Company Secretary of Institute of Technology PETRONAS Sdn. Bhd. He is also currently a Legal Resource Person with the Legal Services Unit of PETRONAS. He holds a Masters of Law Degree from the University of London. He joined PETRONAS in 1979 as a Legal Officer and has since served as in-house Legal Adviser in numerous Holding Company Units as well as Operating Units throughout the PETRONAS Group of Companies. From February 1980 to September 1983 he served as a Legal Officer with PETRONAS Carigali Sdn Bhd. Between 1988 and 1997 he was the Legal Adviser and Company Secretary of PETRONAS Dagangan Sdn Bhd (which changed its name to PETRONAS Dagangan Berhad when it became a public listed company). From 1998 to 2004 he was the General Manager of the Corporate Services & Technology Practice Group of the Legal Services Unit of PETRONAS. In that same period he was also the Company Secretary and Legal Adviser of PETRONAS Research & Scientific Services Sdn Bhd, PETRONAS Management Training Sdn Bhd, PETRONAS Technical Services Sdn Bhd, PETRONAS Hartabina Sdn Bhd and PETRONAS Assets Sdn Bhd. Zainalabidin was appointed as the Company Secretary of ITPSB on 15 January 1999.

Company Secretary Maliki Kamal bin Mohd Yasin (from 17 November 2008)

Maliki Kamal Mohd Yasin, born on 29 July 1963 in Kuala Terengganu received his early education at Sekolah Kebangsaan Kepong Kuala Terengganu before completing his secondary education at Kolej Islam Kelang. He pursued his tertiary education reading Law Degree at Universiti Islam Antarabangsa. He was one of the pioneer students of Universiti Islam Antarabangsa to have obtained the Bachelor of Law in 1986.

He undertook his chambering practice at Tetuan Tengku Sulaiman & Associates and was officially declared as an attorney and advocate in 1987. Prior to joining PETRONAS in June 1990, Maliki has served as an attorney and advocate with specialisation in criminal law.

At PETRONAS, he has served under various legal departments at the holding company and the subsidiaries of PETRONAS until his appointment as General Manager, Legal at the Department of Corporate Services and Technology beginning May 2007. This department is responsible to provide services in relations to legal matters to the Department of Human Resources, Corporate Services Division (including Group Supply Chain, Motorsport, Property Management and others), Education Division (including Universiti Teknologi PETRONAS) and Research and Technology Division. He is directly involved in providing advice in relations to staff discipline and domestic inquiries. He is also a trainer in labour laws for the officers in PETRONAS.

Management Committee

Chairman

Datuk Dr Zainal Abidin Haji Kasim

Members

Muhamad Jurimi (until 30 October 2008)
Associate Professor Dr Mohamed Ibrahim Abdul Mutalib
Hasbullah Haji Ihsan
Associate Professor Dr Hilmi Mukhtar
Associate Professor Dr Mohd Noh Karsiti
Mohamed Noor Rosli Baharom
Professor Ir Dr Ahmad Fadzil Mohamad Hani
Solihuddin Ahmad Nasarudin
Zamri Yusof

Secretary

Mohd Azlan Ghazali

Chairman

Datuk Dr Zainal Abidin Haji Kasim
Rector / Chief Executive Officer

Member

Muhamad Jurimi
Director, Special Functions
(until 30 October 2008)

Member

Associate Professor
Dr Mohamed Ibrahim Abdul Mutalib
Director, Research Enterprise Office

Member

Hasbullah Haji Ihsan
Director, Finance and
Fund Management

Member

Associate Professor
Dr Hilmi Mukhtar
Director, Undergraduate Studies

Member

Associate Professor
Dr Mohd Noh Karsiti
Director, Postgraduate Studies

Member

Mohamed Noor Rosli Baharom
Director, Student Services

Member

Professor
Ir Dr Ahmad Fadzil
Mohamad Hani

Member

Solihuddin Ahmad Nasarudin
Registrar

Member

Zamri Yusof
Senior Manager, Human Resource Management and Administration

Secretary

Mohd Azlan Ghazali
Manager, Corporate Planning and Financial Mangement

Senate

Chairman

Datuk Dr Zainal Abidin Haji Kasim

Members

Muhamad Jurimi (until 30 October 2008)
Associate Professor Dr Mohamed Ibrahim Abdul Mutalib
Associate Professor Dr Mohd Noh Karsiti
Associate Professor Dr Hilmi Mukhtar
Mohamed Noor Rosli Baharom
Associate Professor Ir Abdul Aziz Omar
Associate Professor Dr Ahmad Kamil Mahmood
Associate Professor Dr Balbir Singh a/l Mahinder Singh
Dr Nor Hisham Hamid
Dr Azrai Abdullah
Dr Shuhaimi Mahadzir (from 1 December 2008)
Associate Professor Dr Shamsul Rahman M Kutty (from 1 January 2009)
Dr Ahmad Majdi Abdul Rani (from 1 January 2009)
Ir Dr Idris Ismail (from 1 January 2009)
Professor Ir Dr Ahmad Fadzil Mohamad Hani
Associate Professor Ir Dr Ibrahim Kamaruddin
Associate Professor Dr Abas Mohd Said (until 31 December 2008)
Associate Professor Dr Madzlan Napiah
Associate Professor Dr Fakhruldin Mohd Hashim
Associate Professor Dr Noor Asmawati Mohd Zabidi
Associate Professor Ir Dr Muhd Fadhil Nuruddin
Associate Professor Dr Othman Mamat
Associate Professor Dr Suzana Yusup
Dr Zainal Ambri Abdul Karim

Secretary/Registrar

Solihuddin Ahmad Nasarudin

Chairman

Datuk Dr Zainal Abidin Haji Kasim
Rector / Chief Executive Officer

Member

Muhamad Jurimi
Director, Special Functions
(until 30 October 2008)

Member

Associate Professor Dr Mohamed Ibrahim Abdul Mutalib
Director, Research Enterprise Office

Member

Associate Professor Dr Mohd Noh Karsiti
Director, Postgraduate Studies

Member

Associate Professor Dr Hilmi Mukhtar
Director, Undergraduate Studies

Member

Mohamed Noor Rosli Baharom
Director, Student Services

Member

Associate Professor Ir Abdul Aziz Omar
Head, Geoscience & Petroleum Engineering Department

Member

Associate Professor Dr Ahmad Kamil Mahmood
Head, Computer and Information Sciences Department

Member

Associate Professor Dr Balbir Singh a/l Mahinder Singh
Head, Fundamental & Applied Sciences Department

Member

Dr Nor Hisham Hamid
Head, Electrical & Electronic Engineering Department

Member

Dr Azrai Abdullah
Head, Management & Humanities Department

Member

Dr Shuhaimi Mahadzir
Head, Chemical Engineering Department
(from 1 December 2008)

Member

Associate Professor Dr Shamsul Rahman M Kutty
Head, Civil Engineering Department
(from 1 January 2009)

Member

Dr Ahmad Majdi Abdul Rani
Head, Mechanical Engineering Department
(from 1 January 2009)

Member

Ir Dr Idris Ismail
Head, Industrial Internship Department
(from 1 January 2009)

Member

Professor Ir Dr Ahmad Fadzil Mohamad Hani

Member

Associate Professor Ir Dr Ibrahim Kamaruddin

Member

Associate Professor
Dr Abas Mohd Said
(until 31 December 2008)

Member

Associate Professor
Dr Madzlan Napiah

Member

Associate Professor
Dr Fakhruldin Mohd Hashim

Member

Associate Professor
Dr Noor Asmawati
Mohd Zabidi

Member

Associate Professor
Ir Dr Muhd Fadhil Nuruddin

Member

Associate Professor
Dr Othman Mamat

Member

Associate Professor
Dr Suzana Yusup

Member

Dr Zainal Ambri
Abdul Karim

Secretary

Solihuddin Ahmad Nasarudin
Registrar

Academic Advisory Council

Chairman

Tun Dr Mahathir bin Mohamad

Members

Professor Otto CC Lin
Professor Sung-Kee Chung
Dr Øystein Berg
Professor Dr Abdullah Sadiq
Professor Klaus P Riedle
Tan Sri Datuk Dr Ahmad Tajuddin bin Ali
Academician Tan Sri Emeritus Professor Datuk Dr Augustine S H Ong
Datuk Dr Rosti Saruwono (until 28 February 2009)
Juniwati Rahmat Hussin (from 1 March 2009)
Datuk Dr Zainal Abidin Haji Kasim

Academic Advisory Council

Acting as a forum for the exchange of ideas between the University and various sectors of society, the Academic Advisory Council first met on 21 February 2003. The council provides guidance and strategic direction for the development of the University, from international collaboration to staff development and consultancy – to be in tandem with the University's vision and mission. Council members are appointed by the University's Board of Directors and meet at least once a year.

Chairman

Tun Dr Mahathir bin Mohamad
Advisor of PETRONAS and Chancellor of UTP

Members

Professor Otto CC Lin
Senior Advisor to the President
The Hong Kong University of Science and Technology

Professor Lin is CEO of China Nansha Technology Enterprises, Ltd, Executive Vice Chairman, Nansha IT Park (Guangzhou), and Senior Advisor to the President, Hong Kong University of Science and Technology. Professor Lin received his BS degree from National Taiwan University, MA and PhD from Columbia University and also completed AMP from Harvard University Business School.

Professor Sung-Kee Chung
Professor & Former President
Pohang University of Science and Technology

Professor Sung Kee Chung has more than 35 years experience in academia and research. He is renowned for his work in bio-chemistry and medicine. Professor Sung holds a bachelor's degree from Yonsei University, Seoul and PhD from University of Illinois, USA and Postdoctoral from Yale University, USA.

Dr Øystein Berg
Managing Director
International Programme For Petroleum
Management and Administration (Petrad)

Dr Øystein Berg is the Managing Director of Petrad. He has a BSc in Civil Engineering from Queens University of Belfast, Northern Ireland. Dr Berg was famously associated with the Petrad Programme in which he helped in the development. The Petrad Programme has become internationally known for its 8-week courses in Stavanger, Norway, and its tailor made seminars and workshops arranged in Africa, Asia, Latin America and the former Soviet Union. Dr Berg has managed a total of twenty eight 8-week courses and 250 seminars and workshops within the Petrad Programme so far.

Professor Dr Abdullah Sadiq
Former Rector
Ghulam Institute of Engineering Sciences and Technology

Dr Abdullah Sadiq had his early education from Physics Department University of Peshawar and got his PhD in 1971 from the University of Illinois at Urbana- Champaign, USA. As a physicist, Dr Abdullah Sadiq has published widely in some of the most prestigious, reputable international and professional journals in the area of Modeling and Simulation. Dr Abdullah Sadiq was awarded the coveted Alexander von Humboldt Fellowship of Germany and the Gold Medal and Bogoliubov Prize of the Abdus Salam International Center for Theoretical Physics, Trieste, Italy.

Professor Klaus P Riedle
President of Fossil Power Generation, Products
Siemens Power Generation (PG)

Professor Riedle completed his Mechanical Engineering programme at Technical University Munich with Dipl.-Ing in 1964. In 1969 he completed his PhD from Institute of Thermodynamics in Munich. He joined the Nuclear Division of Siemens AG, which later became Kraftwerk Union (KWU), holding various positions in nuclear safety analysis and thermohydraulic experimental work, and was responsible for the mechanical systems of the secondary side of a light water reactor for all the nuclear laboratories of KWU and a few years under the technology group for the primary system.

Tan Sri Datuk Dr Ahmad Tajuddin bin Ali
Chairman
UEM Group Berhad

Tan Sri graduated from King's College, University of London in 1973 with B.Sc (Eng) Honours, Mechanical Engineering (First Class). In 1977 he earned his PhD in Nuclear Engineering from Queen Mary College, University of London. He attended the Advanced Management Program of Harvard Business School in 1994. Tan Sri is synonymous for his contributions in many conglomerates namely as the Director-General of Standards and Industrial Research Institute of Malaysia (SIRIM) (1989 – 1996); as the Chairman/Chief Executive of Tenaga Malaysia Berhad (1996 – 2000) and as the President of Malaysia University of Science and Technology (MUST) (2000 – 2004).

Academician Tan Sri Emeritus
Professor Datuk Dr Augustine S H Ong
President
Malaysian Invention & Design Society (MINDS)

Academician Tan Sri Datuk Dr Ong Soon Hock is a graduate of University of Malaya (BSc Hons First Class, M.Sc.) and University of London King's College (PhD in Organic Chemistry). He has been active in Research and Development for more than 45 years since 1959 and this experience includes the Chemistry and Technology of Palm Oil in which he had more than 25 years' involvement since 1974. He has 14 patents in the technology of palm oil to his credit and published more than 380 articles.

Datuk Dr Rosti Saruwono
Vice President Education, PETRONAS
(until 28 February 2009)

Datuk Dr Rosti Saruwono received his BE (Mechanical Engineering) from the University of Queensland, Australia in 1973. He then started his career with the Ministry of Labour and Manpower as the Principal of the Industrial Training Institute, Kuala Lumpur from 1974 to 1980. In 1980 he began his career at PETRONAS. From 1990 to 1993, Datuk Dr Rosti did his PhD in Business Studies at The Henley Management College where he was also a Research Associate. Upon the completion of his PhD, he was appointed as MD/CEO of PETRONAS Management Training Sdn Bhd (PERMATA). Subsequently in 1995 he was appointed as the MD/CEO of ITPSB to spearhead the establishment of Universiti Teknologi PETRONAS.

Juniwati Rahmat Hussin
Vice President Education, PETRONAS
(from 1 March 2009)

Juniwati Rahmat Hussin holds a Bachelor of Science Degree (Hons) in Chemistry from the University of Kent in Canterbury, UK. She has attended several advanced management courses such as the GE Advanced Manager Course, INSEAD Senior Management Development Programme, Certificate in International Management and the HENLEY Business School Advanced Management Programme, UK. She was the recipient of the PETRONAS' Excellent Service Award in 1981.

She joined the Malaysian National Oil Company, Petroliam Nasional Berhad (PETRONAS) in 1981 and is currently the Vice President, Education Division, PETRONAS. Prior to assuming this position, she has held various Technical and Non-Technical positions across the PETRONAS Group.

Her experience covers a wide range of areas. She started her career in the Oil Refining Business covering various positions such as an Analytical Chemist, Process Engineer, Production Planner and Project Engineer. With about 12 years hands-on experience in the Oil Refinery, she moved to the Corporate Headquarters to take up a managerial position in Corporate Planning and Business Development Division. It was during her 7 years tenure that PETRONAS expanded aggressively internationally and also ventured into the Petrochemical Business. The next obvious move was to Human Resources Division where her portfolio covered Manpower Planning, Recruitment and Job Evaluation. After 3 years with HR, she spent another 3 years with the Petrochemical Business but this time marketing and trading of Petrochemical products. From the selling of petrochemical products, she had the opportunity to "sell" classical music concerts when she headed the Malaysian Philharmonic Orchestra for 3 years as the CEO.

Juniwati is also very active in sports and was a competitive swimmer and tennis player in her student days. She was appointed to ITPSB Board on 2 March 2009.

Datuk Dr Zainal Abidin Haji Kasim
Rector/MD/CEO
Universiti Teknologi PETRONAS

Datuk Dr Zainal Abidin Haji Kasim graduated with of B.Sc. in Chemistry/ Polymer Science from Loughborough University of Technology, UK in 1976. He later continued his M.Sc. in Petrochemical/Hydrocarbon Chemistry from UMIST, UK in 1980 under the PETRONAS sponsorship. Datuk Dr Zainal has been with PETRONAS since September 1976. Throughout his career in PETRONAS, he was fully involved in the development of PRSS and was the leader of the PETRONAS Technology Advisory Committee that approves and monitors research works within PETRONAS. In the year 2005 Datuk Dr Zainal took the helm of UTP as the Rector.

Industry Advisory Panel

Chemical Engineering

Kamaruddin Zakaria
Ahmad Hamizan Hasan
Ir Shyam M.K. Lakshmanan
Prakash Kumar Karunakaran

Civil Engineering

Ir Abdul Kadir Mohd Din
Ir Dr Haji Affendi Abdullah
Mohd Sapihie Ayob
Ir Dr Shakor Ramat A Badaruddin
Dato Ir Dr Nik Mohd Kamel Nik Hassan
Ir Sahri Bohari
Ir Bakhtiar Hussain

Electrical & Electronic Engineering

Abd Rashid Munir
Ir Aziz Ismail
Lee Weng Fook
Mohamad Naguib Mahfodz
Dr Peter Lim Boon-Lum

Geoscience & Petroleum Engineering Programme

Dr Nasir Haji Darman
Ibrahim Pamir Bursin

Mechanical Engineering

Datuk Kamarulzaman Darus
Hishamudin Ibrahim
Dr Shamsuddin Baharin
Zamaluddin Ali
Ir Hanafi Ali

Computer & Information Science

Tengku Farith Tengku Rithauddeen
Dr Mazlan Abbas
Dr Ooi Chee Keong

Management & Humanities

Dato' Seri (Dr) Haji Harussani Haji Zakaria
Dato' Nordin Baharuddin
Dr Alistair King
Mohamed Yusof Ahmad Muhaiyuddin

Industry Advisory Panel

The University has taken another step to ensure that its education deliveries remain relevant with industrial practices. In order to further strengthen its relationship with industry players, Industry Advisory Panel (IAP) was established and held its inaugural meeting on 7 May 2007. The University invited twenty-four panel members consisting senior practitioners from the industry, all with vast experience and expertise in their respective fields, to assist in planning and continuously improving the quality of the programmes offered in UTP. Industrial input from panel members help the University to further enhance its curriculum, and to establish academic-industry collaboration. Panel members are required to meet the heads of departments at least once a year to discuss the University's academic curriculum, teaching methodology, facilities and practices to help it stay in tune with the emerging needs of the industry.

Chemical Engineering

Kamaruddin Zakaria
Vice President, Petrochemical Business PETRONAS

Ahmad Hamizan Hasan
CEO, PETRONAS Penapisan (Terengganu) Sdn Bhd

Ir Shyam M K Lakshmanan
Group General Manager, Malay-Sino Chemical Industries Sdn Bhd/See Sen Chemical Berhad

Prakash Kumar Karunakaran
Principal Engineer, Process Control, PETRONAS Penapisan Melaka Sdn Bhd

Civil Engineering

Ir Abdul Kadir Mohd Din
Chief Operating Officer, Pengurusan Aset Air Berhad

Ir Dr Haji Affendi Abdullah
Managing Director, DAPC, Dr Affendi & Partners Consult Sdn Bhd

Mohd Sapihie Ayob
Principal Researcher (Structural Mechanics), PETRONAS Research Sdn Bhd

Ir Dr Shakor Ramat A Badaruddin
Managing Director, Elcorp Technology Sdn Bhd

Dato' Ir Dr Nik Mohd Kamel b Nik Hassan
Managing Director, Dr Nik & Associates Sdn Bhd

Ir Sahri Bohari
Project Director, Sains Integrated Development Sdn Bhd

Ir Bakhtiar Hussain
Director, HRunding Sdn Bhd

Electrical & Electronic Engineering

Abd Rashid Munir
President and CEO, IC Microsystems Sdn Bhd

Ir Aziz Ismail
CEO, Authentic Venture Sdn Bhd

Lee Weng Fook
Senior Technical Manager, Emerald Systems Sdn Bhd

Mohamad Naguib Mahfodz
CEO/Technical Advisor, R&T Division, PETRONAS

Dr Peter Lim Boon-Lum
Chief Technology Officer/Chief Operating Officer,
OnNet Technology Ltd

Geoscience & Petroleum Engineering

Dr Nasir Haji Darman
Custodian Engineer, Petroleum Management Unit

Ibrahim Pamir Bursin
Regional Technology Hub Manager, Schlumberger

Mechanical Engineering

Datuk Kamarulzaman Darus
Director of Manufacturing,
Naza Automotive Manufacturing Sdn Bhd

Hishamudin Ibrahim
Programme Manager, Pusat Tenaga Malaysia

Dr Shamsuddin Baharin
General Manager, Proton Holdings Berhad

Zamaluddin Ali
Principal Engineer, PETRONAS Group Technology Solution

Ir Hanafi Ali
Senior Materials, Corrosion & Inspector Engineer,
Shell Exploration & Production

Computer & Information Sciences

Tengku Farith Tengku Rithauddeen
President, SKALI

Dr Mazlan Abbas
Vice President,
Integrated Business Solutions, MIMOS Berhad

Dr Ooi Chee Keong
Chief Information Officer
World Wide Grape City Inc, Japan

Management & Humanities

Dato' Seri (Dr) Haji Harussani Haji Zakaria
Mufti Kerajaan Negeri Perak Darul Ridzuan,
Jabatan Mufti Negeri Perak

Dato' Nordin Baharuddin
Chairman, KUB Malaysia Berhad

Dr Alistair King
Head Consultant, Alistair King Sdn Bhd

Mohamed Yusof Ahmad Muhaiyuddin
General Manager, Group Human Resources,
Malaysia Airlines Berhad

International External Examiners

Chemical Engineering

Professor Cornelis Johan Peters

Civil Engineering

Professor Michael A Celia
Professor Matthew Richard Coop

Electrical & Electronic Engineering

Professor Ravinder David Koilpillai
Professor Robert G Olsen

Mechanical Engineering

Professor Yoshihiko Nakamura
Professor Dr -Ing Franz Heitmeir

Petroleum Engineering

Professor Turgay Ertekin

Process Integration

Professor Mahmud M El-Halwagi

Information & Communication Technology

Professor Peter F Haddawy

Business Information Systems

Professor Richard T Watson
Professor Stephen Ross Elliot

Management & Humanities

Professor Peter J Buckley

Foundation

Associate Professor Dr Azizan Ismail

International External Examiners

Quality assurance is an integral part of the University's education process to ensure its academic programmes are of the highest quality and meet international standards. Established since 1999, International Examiners Conference is held annually to deliberate on examination, curriculum development, staff development and facilities, future trends of engineering education and matters pertaining to research and development. The International Examiners Conference provides invaluable input that will contribute towards the realisation of the University's vision and mission in making it a leader in engineering and technology education.

Chemical Engineering

Professor Cornelis Johan Peters

Delft University of Technology
Faculty of Applied Sciences
Department of Chemical Technology
Laboratory of Physical Chemistry and
Molecular Thermodynamics
Julianalaan 136, 2628 BL Delft
The Netherlands

Civil Engineering

Professor Michael A Celia

(Until 31 March 2008)

Director (Program in Environmental Studies)
Program in Environmental Engineering and
Water Resources
Department of Civil and
Environmental Engineering
Princeton University,
Princeton, New Jersey 08544
United States of America

Professor Matthew Richard Coop

Department of Civil Engineering
Imperial College
London Sw7 2AZ

Electrical & Electronic Engineering

Professor Ravinder David Koilpillai

(Until December 2008)

Department of Electrical Engineering
Indian Institute of Technology (IIT) Madras
Chennai – 600036, India

Professor Robert G Olsen

College of Engineering and Architecture
Dana Hall 138
Washington State University
Pullman, WA 99164-2713
United States of America

Mechanical Engineering

Professor Yoshihiko Nakamura

Department of Mechano-Informatics
Graduate School of Information
Science and Technology
The University of Tokyo
7-3-1 Hongo, Bunkyo-ku
Tokyo 113-8656, Japan

Professor Dr -Ing Franz Heitmeir

Institute for Thermal Turbomachinery
and Machine Dynamics
Graz University of Technology
Inffeldgasse 25 A
A-8010 Graz, Austria

Petroleum Engineering

Professor Turgay Ertekin

Department of Energy &
Geo-Environmental Engineering
The Pennsylvania State University
115A Hosler Building
University Park, PA 16802-5000
United States of America

Process Integration

Professor Mahmud M El-Halwagi

The University of Texas
United States of America

Information & Communication Technology

Professor Peter F Haddawy

Computer Science and Information
Management Program
School of Advanced Technologies
Asian Institute of Technology
P.O. Box 4, Klong Luang
Pathumthani 12120, Thailand

Business Information Systems

Professor Richard T Watson

(until 31 March 2008)

Department of MIS
Terry College
University of Georgia
Athens GA 30602-6273
United States of America

Professor Stephen Ross Elliot

Room 417/418
H69 – Economics and Business Building
The University of Sydney
NSW 2006 Australia

Management & Humanities

Professor Peter J Buckley

Director of the Centre for International Business
Leeds University Business School
14 -20 Cromer Terrace
The University of Leeds
West Yorkshire LS2 9JT
United Kingdom

Foundation

Associate Professor Dr Azizan bin Ismail

Pusat Asasi Sains
University Malaya
50603 Kuala Lumpur

The Report

Chairman's Review

"Throughout 2008/2009 Universiti Teknologi PETRONAS has chartered several milestones; from collaborations and partnerships to winning accolades and recognition at the international arena with our research and our students' outstanding performance."

Throughout 2008/2009 Universiti Teknologi PETRONAS has chartered several milestones; from collaborations and partnerships to winning accolades and recognition at the international arena with our research and our students' outstanding performance. Our high quality of undergraduate education and innovative research environment has been validated by external reviews and endorsement. The overall standard of our teaching and research was independently assessed as excellent by our External Examiners, Industry Advisory Panel and Academic Advisory Council. This is further testified by the high marketability percentage of our graduates and the accreditation received by local and international authorities. We have had 10 successful years.

Moving forward, we have launched a Transformation Plan to guide our development in the years ahead to achieve our goal of becoming a quality research University within the next 10 years. Our strategy is to firmly consolidate our position to achieve our vision of being an acknowledged leader in technology education and a centre for creativity and innovation. It is central to our philosophy that anyone with outstanding talents should be encouraged to contribute and benefit from the University's progress. We are committed to nurturing young talents and unleashing their full potential to become leaders in their respective profession and community.

Over the next five years the Board will continue UTP's expansion programme with investments in buildings, facilities and staff development to strengthen the University's competitive edge. With dedicated academic and support staff, UTP will continue to be at the forefront of higher learning institutions.

The Board has been diligent in ensuring corporate governance is adhered to and the University practices sound financial management.

I would like to thank all Board members for their contribution, unfailing commitment and dedication. Our heartfelt appreciation to our University Chancellor, YABhg Tun Dr Mahathir bin Mohamed for his advice and guidance. His tenacity, zest and wisdom have inspired and motivated, not only the graduates, but faculty members and staff alike. Our special thanks to YBhg Tan Sri (Dr) Mohd Hassan Marican, President and CEO of PETRONAS for his unwavering support of UTP. The success we have achieved thus far is a collective effort from all levels – the University Chancellor and Pro-Chancellor, Board, Academic faculty members and staff under the able stewardship of our Rector YBhg Datuk Dr Zainal Abidin Hj Kasim.

We will continue to support and play our role in meeting the aspirations of the nation and in complementing PETRONAS' and Malaysia's effort towards becoming a developed nation by 2020.

Until next year.

Datuk Ainon Marziah Wahi
Chairman

Rector's Report

The Financial Year 2008/09 was another successful year for Universiti Teknologi PETRONAS despite a challenging business environment. Against the backdrop of a recovering yet volatile global economy amidst geopolitical uncertainties the University recognises that continued success is very much reliant on the quality and competency of its most valuable assets – its human capital. The University remains committed to the ongoing development and enrichment of its faculty, staff members and students.

Recollecting on what we have done would set the climate and the track in putting our efforts together in moving ahead. It would also provide the opportunity to consolidate, realign and redesign our thinking and resources to ensure this University continues to be the preferred institution and partner of choice. If we look at the world scenario currently, business is not running as usual. I am sure Malaysia, PETRONAS or the University is not spared. The impact is a matter of degree. But the University has yet again proven to be strong and resilient. It acted proactively and strategised well in anticipation of events, instead of merely responding. The University has recently embarked on a transformation plan with the core objectives to develop structured and calculated action plans to facilitate the University's journey to achieve a world class Research University; revisit and expand the selection of research areas and benchmark existing and future R&D areas and road maps; and collect data for planning purposes especially with regards to the five R&D mission-oriented research fields.

The University is well prepared to face the challenges, armed with its faculty strength of 312, as at 31 March 2009. Out of the total, 47% comprised PhD lecturers and 2 sponsored Professorial chairs. There are a total of 16 professors and 66 Associate Professors to cater to the needs and requirements of a population of 6377 students, at foundation, undergraduate and postgraduate levels.

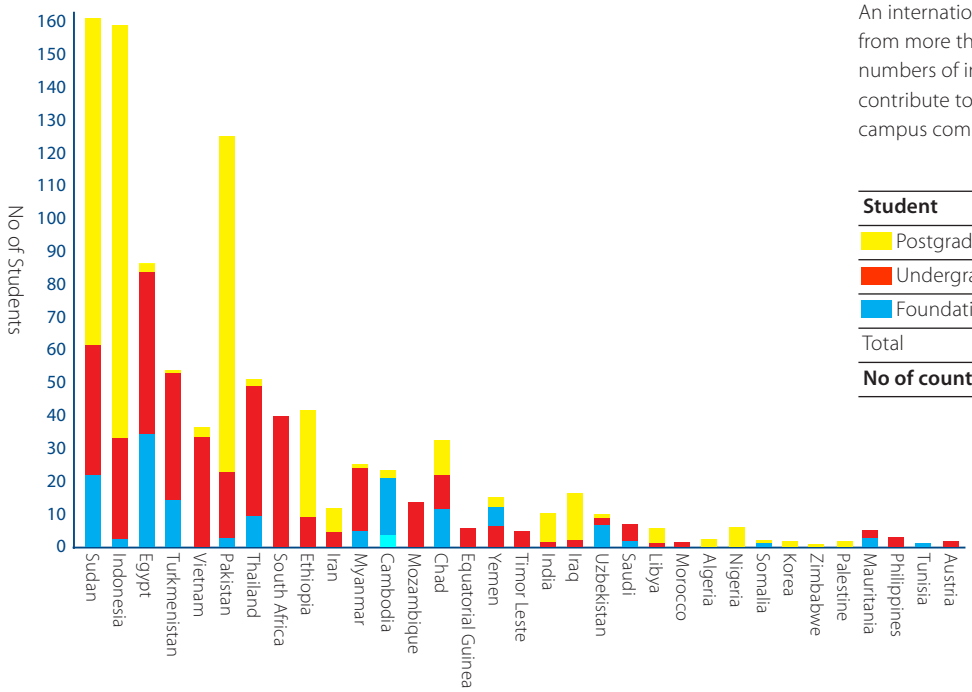
Student Enrolment

Student	Target Population	Status as at 31 March 2009
Foundation	1200	1034
Undergraduate	4200	4630
Postgraduate	1200*	713
Total	6600	6377

** Targeted student population by 2010*

"The Financial Year 2008/09 was another successful year for Universiti Teknologi PETRONAS despite a challenging business environment."

International Students by Country



An international student community from more than 30 countries. Increasing numbers of international students contribute to the globalisation of UTP campus community.

Student	No
Postgraduate	443
Undergraduate	403
Foundation	131
Total	977
No of countries :	**33**

Out of the number, 33.6% is research-active lecturers who shoulder the responsibilities of producing quality publications like citation-indexed journals and refereed proceedings as well as undertaking mission-oriented researches and exploring potential of creating innovation via patents and commercialisation of research products. As at 31 March 2009, the University has produced 62 citation-indexed journals and won a total of 9 gold awards, 17 silvers and 12 bronzes at prestigious national and international expositions specifically in ITEX (Malaysia), MTE (local), INPEX (USA), IENA (Germany), INNOVA (Belgium) and SIIF (Korea).

It is also our duty and our role to proactively act in tandem to ensure our parent company, PETRONAS continues to progress well to become a global champion. The University, in its scorecard list outlined five important roles in supporting PETRONAS' business specifically and the nation's well-being generally;

- Contribute towards sustaining a steady pipeline of talent for PETRONAS and the nation by delivering relevant and quality graduates. In March 2009, the employability rate rose to 85% from 80%;
- Enable the institutionalisation of capability and capacity building. As at 31 March 2009, 33.6% of the academic staff of the University was involved as principal investigators for research. In addition, the University received RM15 million research grants to propel its research and development endeavours;
- Contribute towards technology development, knowledge creation and knowledge management. As at 31 March 2009, the University recorded a total number of 62 publications in citation-indexed journals including refereed proceedings; produced 8 PhD graduates, and conducted 17 technical programmes for PETRONAS' capability development;
- Contribute towards PETRONAS brand and business positioning. A total number of 38 joint academic and research programmes in the form of staff exchange, staff attachment, visiting professorship, professorial chairs, and student study abroad and exchange programmes had been undertaken in collaboration with local and international institutions;
- Ensure operational excellence and enhance triple plus elements. These were achieved by maintaining cost per student at RM27k which excluded depreciation.

The current economic slowdown did not dampen our commitment. Instead it merely fuelled our resolve to explore new opportunities and potential. In fact this slowdown was perhaps a blessing in disguise. We were able to attract people from all over the world including postgraduate students to explore various academic endeavours at the University.

I am also proud to share highlights of the events that took place in the year under review:

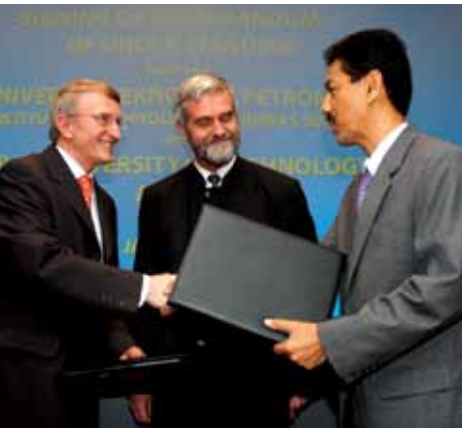
Academic Overview

This year, the University introduced three (3) new postgraduate programmes, namely MSc in Asset Management, MSc in Advance Process Control, MSc in Electronic System Engineering and one (1) new degree programme – Bachelor of Technology (Honours) Petroleum Geoscience. We remain consistent in our commitment to ensure that our academic programmes are industry relevant.

In its continuous efforts to enhance its programme offering as well as its research and development, the University's Academic Advisory Council chaired by YABhg Tun Dr Mahathir bin Mohamad met at their sixth meeting on Tuesday, 8 July 2008. The Council amongst others discussed matters relating to the strategic development of the University including its R&D efforts and international linkages. The Council also acted as a forum for the exchange of ideas between academics and industry practitioners, whilst providing guidance and strategic direction on the development of the University.

The University was also active in organising conferences that convened participants from the learning institutions and industry. Three notable conference held this year were the International Conference on Plant Equipment and Reliability (ICPER 2008), the International Conference on Construction and Building Technology 2008 (ICCBT 2008) and the Regional Conference on Humanities which were held in March and June 2008 and February 2009 respectively.

The inaugural International Conference on Plant Equipment and Reliability (ICPER 2008) was held on 27 and 28 March 2008. Themed 'Engaging Research and Technology to Enhance Plant Performance', the conference saw 95 papers presented on various aspects of plant operations aimed at enhancing the performance and improving operations thus reducing costs in plant operations.



The International Conference on Construction and Building Technology 2008 (ICCBT 2008) held on 16 – 20 June 2008 was co-organised by Universiti Tenaga Nasional (UNITEN), International Association for Concrete Technology (IACT) and Universiti Teknologi PETRONAS. The conference played host to about 200 presenters and participants from various institutions and 36 other countries, most notably USA, United Arab Emirates, United Kingdom, Australia, Taiwan, Japan, The Netherlands and Canada. ICCBT is part of a series of conferences organised by IACT. The earlier seven meetings were held in Jordan (1983), Libya (1986, 1993), Cyprus (1996), India (1999), Jordan (2002) and Malaysia (2004). The conference saw 250 papers presented in six parallel sessions with topics that served effectively as a platform for university researchers and industry practitioners to exchange ideas and learn about the recent findings and the latest research that can be applied in operations.

The Regional Conference on Humanities with the theme 'The Humanities in Driving Leadership and Building Capabilities in Asean' was organised on 18 –19 February 2009. This conference provided a platform to discuss issues and challenges in the aspects of humanities toward ASEAN's regional community building. It also succeeded in synergising efforts from the higher learning institutions and industry on the value of humanities towards leadership and capability building.

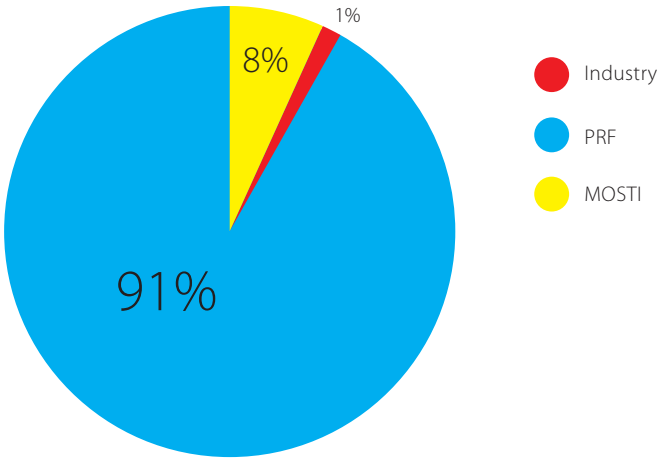
The University also throbbed with energy with various series of Public Lectures. One of the series depicted an annual session with the University's very own Chancellor, YABhg Tun Dr Mahathir Mohamad sharing his experience, views and knowledge with the staff, students and the public. This year YBhg Tun spoke on 'National Identity and Power Sharing'. In the same series, a Special Lecture by His Royal Highness The Regent of Perak, Raja Dr Nazrin Shah, was held on 5 May 2008 with the title 'The Challenges Of Human Capital Development'.

In its pursuance to globalise its academic offerings at the University, this year the signing of a Memorandum of Understanding (MoU) between the University and Graz University Of Technology (GUT), Austria on 17 January 2008 marked another important milestone in its quest to attain academic and R&D excellence graced by the Austrian Ambassador to Malaysia, H.E. Ambassador Dr Donatus Köck. The formalisation of alliance between these two leading institutions of higher learning has paved the way for further meaningful collaboration in staff development programme; undergraduate and postgraduate student exchange; joint research and development activities; and joint academic and scientific activities. Through this collaboration, both parties would also be able to embark on joint R&D work together with PETRONAS and BRP Rotax, one of the international leaders in the manufacturing of recreational vehicles and small aircraft engines.

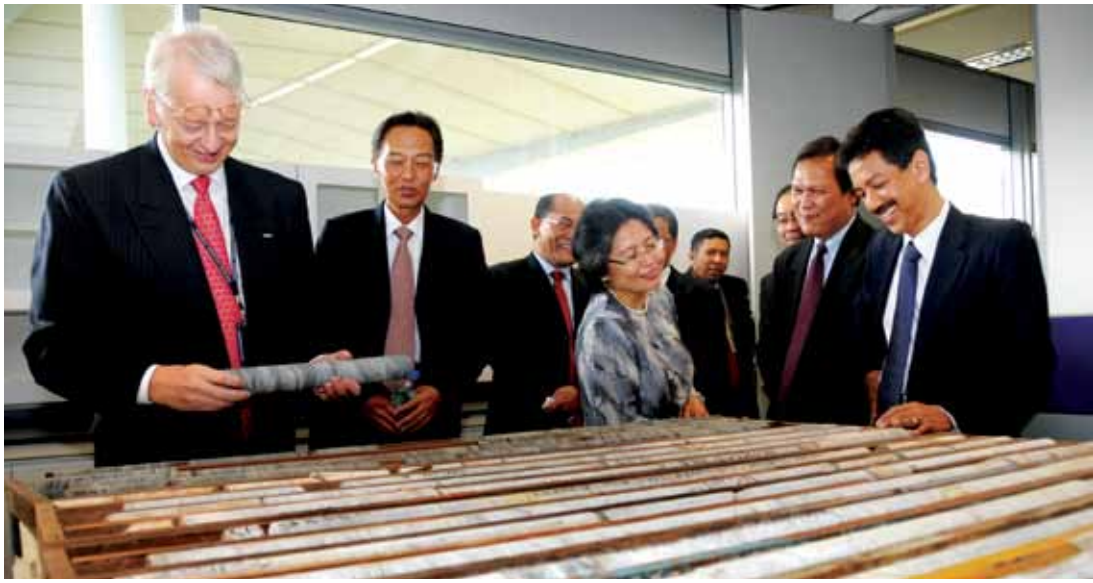
R&D Activities

The University is a firm believer in pillaring its research and development endeavours that would contribute to the betterment of society. As at the year ending 31 March 2009, the University has received a total of RM42.2 million from Petroleum Research Fund (PRF), RM3.7 million from MOSTI, and RM0.23 million from the industry which brought the total research and development incentives to a resounding RM46.2 million. The cumulative external funding received since the University launched its research and development masterplan in the year 2002 until 31 March 2009 is RM105.1 million.

Source of Research Funding
Research Funding 1/4/2008 – 31/3/2009



On 15 May 2008 the University was successful in developing a monitoring system for diabetic patients, a project spearheaded and anchored by Professor Ir Dr Ahmad Fadzil Mohamad Hani. In the past few years, the University's Intelligent Signal & Imaging Research Cluster has carved a niche in medical image analysis. They won several awards locally and internationally whilst producing a vast number of academic publications internationally covering both fundamental and applied research in areas of medical imaging to seismic processing for oil and gas. On 15 May 2008, this research cluster led by Professor Ir Dr Ahmad Fadzil Mohamad Hani celebrated yet another achievement – The Unveiling of the Computerised Diabetic Retinopathy Monitoring and Grading Prototype System. This prototype system was developed under the Ministry of Science, Technology and Innovation (MOSTI) Technofund grant awarded to Professor Ir Dr Ahmad Fadzil in 2006. MOSTI Technofund grants are designed to assist the R&D community to take research outputs to the next stage of development for field trials or clinical trials prior to commercialisation efforts. The prototype system could screen patients of diabetes for an early diabetic retinopathy – a disease that can lead to blindness if not treated. In the next stage of the development, the prototype will be used in clinical trials at the Ophthalmology Department of Hospital Selayang, Selangor, before commercialisation.



In cementing its commitment to prospering research and development activities the University launched two research and development facilities in this financial year.

On 10 July 2008, the Civil Engineering Department of Universiti Teknologi PETRONAS was very proud to announce the opening of the offshore labs. It is hoped that the lab facilities would achieve groundbreaking research and new breakthrough in the area of offshore engineering. The 22 meters long by 10 meters wide and 1.5 meter deep wave tank is capable to generate many types of waves with state of the art capability to observe and measure the effect of wave on structures like jetty, seawall, revetment and pontoons and have immeasurable benefits to research and development.

A new research and teaching centre dedicated to carbonate studies – the South-East Asia Carbonate Research Laboratory (SEACARL), was officially launched on 20 March 2009. The centre was founded by Professor Dr Bernard J.M. Pierson, Shell Chair in Petroleum Geosciences at the University. The launch marked another important milestone for the strategic collaboration established between UTP and Shell, which was first instituted with the signing of a Memorandum of Understanding in 2006 between the two parties. Such collaboration had enabled both institutions to focus on research projects dedicated to the oil industry in Malaysia; to form the best possible carbonate experts in South-East Asia through a series of high-quality specialised courses on carbonate sedimentology, stratigraphy, petrography, seismic and log response which will be offered at UTP and PETRONAS. The courses will complement the Geosciences and Petroleum Engineering programmes at UTP.

Another academic collaboration in the area of research and development entered by the University was with Transocean. The signing of a Memorandum of Understanding (MoU) between the University and Transocean, a leading company in providing offshore drilling services particularly in deepwater will enable the University to accelerate its capability in the deepwater technology which is one of the main focus areas of the University's R&D. The establishment of a Drilling Technology Chair will provide the critical link required to ensure the success of the collaboration. Apart from the establishment of the Chair, Transocean will also assist the University by providing expertise to support UTP academic delivery through the adjunct lecturer programme and industrial placements for the students and staff.

The University's research and development continued to create waves with the collaboration established with Group Technology Solutions (GTS) of Research & Technology Division PETRONAS on 11 November 2008. The collaboration is hoped to capitalise on PETRONAS' experience in the oil and gas industry, leverage on the University's experience in R&D & Technology Development, pave the way for the industries and University to work together to accelerate technology development as a catalyst for supporting PETRONAS Technology Agenda and instill innovation traits within PETRONAS and UTP, as a step towards inculcating a sustainable innovation culture.

The University proved its mettle when it emerged as the best among 13 Malaysian universities, by winning 5 golds, 3 silvers and 1 bronze in the '24th Invention & New Product Exposition 2008 (INPEX 2008)' held in Pittsburgh, USA from 11–14 June 2008 based on 6 products submitted. Malaysia sent the largest delegation apart from the USA to the exhibition. The exposition attracted participation of more than 300 research products from 14 different countries amongst others USA, Germany, Russia, France, China and Taiwan and provided the needed leverage, exposure and opportunity for the University's faculty to expand their frontiers especially where new knowledge, research and development are concerned.

The University also through its research products marked yet another international triumph by winning a total of 3 gold and 1 silver medals in the INNOVA EUREKA EXHIBITION through its 4 research projects. The exhibition held in Brussels, Belgium from 13–15 November 2008 attracts more than 600 inventions from more than 30 countries every year. The competition was the University's second participation alongside six other Malaysian universities and research institutions. This year, the University scored the highest percentage of gold awards (75%) as compared to other Malaysian participants.

Students Achievements and Activities

Receiving external recognition is indeed the highest form of endorsement of the students of the University. The Tunku Award held on 5 February 2008 recognised students' excellence in academic, co-curriculum activities and leadership. UTP's Mohd Fairuz bin Azman, the recipient, graduated in August 2007 with a Bachelor of Engineering, Mechanical Engineering. He obtained a First Class Honours Degree and was also the recipient of the Gold Chancellor Award during the Seventh Convocation ceremony.

Our students continued to make us proud with their achievements when they emerged champion in "Pertandingan Debat Kemerdekaan Ala Parlimen Antara Universiti-universiti Malaysia 2008", organised by Arkib Negara Malaysia in collaboration with Majlis Debat Universiti-Universiti Malaysia (MADUM), on 23 to 25 August 2008. Not only did our students prove their oracle prowess in the Bahasa Malaysia language, but our Mandarin Debate Team also strode elegantly and proved their worth by securing the Runner Up placing in the National Varsity Chinese Debating Competition 2008. It was a double victory when one of our debaters, Lee Kok Hock was announced as the Best Speaker in the finals.

On 24 June 2008, Student in Free Enterprise Universiti Teknologi PETRONAS (SIFE UTP) was awarded the SIFE SPIRIT AWARD for SIFE National Competition 2008. The SIFE National competition 2008 was organised by SIFE MALAYSIA to select the best SIFE Team to represent Malaysia at the SIFE WORLD CUP 2008 in Singapore from 1–3 October 2008. SIFE is an international non-government organisation that is active in over 1800 colleges and universities in more than 40 countries. It mobilises teams of university students to utilise their personal educational experiences, the expertise of the faculty and business advisors, and support of SIFE donors to create educational outreach programmes that benefit the communities and enhance the personal growth of the members. The effectiveness of the educational outreach programmes was measured during the SIFE National Competition and SIFE World Cup which are held annually. Such exposure and network opportunity are extremely important to raise the leadership and communication skills and marketability potential of our students.

Health, Safety and Environment

Throughout the year in review, the University has made conscious and continuous efforts in strengthening its HSE practices. As a result, the University recently became the first university in Malaysia to receive the Malaysian Society for Occupational Safety & Health (MSOSH) Award 2007 under the Service Sector category. The award was presented by Datuk Thomas George, Chief Secretary of Ministry of Human Resources during the MSOSH Annual Dinner on 25 August 2008.

Corporate Social Responsibility

The University is mindful of its social obligation to prosper the economy and education of the surrounding community. Thus, in line with the University's academic philosophy of participating actively in consultancy work as well as assisting those in need, the Department of Computer and Information Sciences (CIS), in collaboration with KPerak Implementation and Coordination (INC) Corporation and Perak State Department of Education had conducted a 6-day training programme. The 'JAVA Training Programme For Anak Perak 2008' was held to train secondary school students from all over Perak, the latest technology in JAVA programming language. A total of 200 participants consisted of 160 students and 40 teachers have successfully completed the training, which was held from 12–17 June 2008.

The University was also proud to be associated with events organised by PETRONAS. More than 50 PETRONAS staff representing the various zones where PETRONAS operates namely PETRONAS Twin Towers, West Coast, East Coast, Sabah, Labuan and Sarawak participated in the 9th PETRONAS Tilawah Al-Quran Assembly held on 28–29 July 2008. Hosted for the first time by the University, the event witnessed the talents in the categories of Tilawah, Tilawah Murattal, Quranic Memorisation, Essay Writing and Quiz.

In complementing the nation's effort in celebrating Malaysian's local icons who excel in their respective fields and disciplines, the University is also especially proud to be associated with the prestigious Merdeka Award through the Merdeka Award Lecture Series. This lecture series aims to provide an opportunity and platform for the public, particularly students, to hear and be inspired by the recipients of the Merdeka Award as they talk about their work. Each lecture features the achievements of the recipients in light of its impact on the present and future generations. It also aims to inspire the younger generation to strive for excellence.

Challenges and Moving Forward

I take pleasure in outlining several key performance values that would certainly propel the University to greater heights:

- Quest for excellence – by all citizens of the University in all aspects of our endeavours;
- A sense of urgency – predominantly in the speed of each action taken in achieving organisational aspiration;
- A sense of ownership and belonging at all levels – to work as an organisation instead of in silos;
- Information sharing must be advocated;
- Continuous learning;
- Cost consciousness in operations, business, research and other endeavours;
- Warm hearts and cool heads – display more compassion and love in our profession and responsibilities.

Under this dynamic business environment, the University will pursue its journey to achieve its vision and mission with greater vigour, while building on its capabilities and strengths to face the challenges and to capitalise on the opportunities. To this end with the implementation of the Transformation Plan, the University will increasingly invest in the development of its technological capabilities and human resources while at the same time focus its efforts on sustaining a strong pervasive culture, driven by its shared values, corporate mission and values to sustain and enhance its competitive edge.

Appreciation

The University has delivered a good year and we owe our appreciation to all the individuals and organisations that continue to share our vision of growth.

On behalf of the Management and staff, I wish to record my heartfelt gratitude to our partners, associates and individuals whose expertise and resources have contributed tremendously to the successes we have had over the years. Our deepest appreciation is also extended to YBhg Datuk Dr Rosti Saruwono, former Vice President of Education PETRONAS; Tuan Haji Zainalabidin Ismail, former Secretary to the Board; and Tuan Haji Muhamad b Jurimi, former Director, Special Functions who had all retired this year. They were amongst the pioneers who had contributed significantly towards the establishment and development of the University and had shown tremendous dedication and commitment. I would also like to warmly welcome YBhg Puan Juniwati Rahmat Hussin, Vice President of Education PETRONAS and En Maliki Kamal Mohd Yasin, Legal Counsel and Secretary to the Board. We look forward to them bringing to the University their diverse experience, viewpoint and outlook in realising our vision.

I would also like to express my appreciation to the Chancellor, YABhg Tun Dr Mahathir Mohamad, the Pro Chancellor, YBhg Tan Sri (Dr) Mohd Hassan Marican, the Chairman of the Board, YBhg Datuk Ainon Marziah Wahi, Board of Directors, Academic Advisory Council Members, Industry Advisory Panel, and External Examiners for their continued support and guidance.

Last but not least, to each and every member of the University, we thank you for your loyalty, dedication and continuous efforts. Your perseverance and belief in the vision of the University are the very reasons for us to strive harder and stay on course to achieve excellence.

Datuk Dr Zainal Abidin Haji Kasim
Rector

The Annual Review

(1 January 2008 to 31 March 2009)

Main Events

The University vibed with various events from collaboration and partnership to corporate events and corporate social responsibility related activities. The following are the main highlights:

January – February 2008

12 – 20 January 2008

UTP Welcomes New Students

Universiti Teknologi PETRONAS (UTP) organised "Minggu Aluan Siswa" to welcome 465 new students to the University. This year's intake also included a total of 49 international students from Sudan, India, Pakistan, Iraq, Uzbekistan, Chad, Egypt, Yemen, Saudi Arabia and Indonesia who registered for both Foundation and Undergraduate Studies.

17 January 2008

MOU Between UTP – Graz University of Technology, Austria

The signing of a Memorandum of Understanding (MoU) between Universiti Teknologi PETRONAS (UTP) and Graz University of Technology (GUT), Austria marked another important milestone for UTP in its quest to reach academic and R&D excellence. The event was attended by the Austrian Ambassador to Malaysia, H.E. Ambassador Dr Donatus Köck, Rector of GUT, Austria, Rector of UTP; Datuk Dr Zainal Abidin bin Hj Kasim and senior officials from GUT, PETRONAS Research and Technology Division and UTP.

25 January 2008

A session with UTP Academic Advisory Council Members

UTP organised a Session with its Academic Advisory Council Members at its campus. During this session, the members were briefed on the progress made by the university. The Council then, among other issues discussed matters relating to some of its strategic development including its R&D efforts and international linkages. The members also conducted lectures and discussion sessions with the research clusters on topics related to their field of expertise. Professor Sung gave a lecture on Gene Therapy and Gene Delivery Technology whilst Tan Sri Augustine Ong lectured on Palm Biodiesel: From Idea to the Market Place.

11 February 2008

UTP – Media Bowling Meet 2008

The University's team proved a tough opponent to beat when they toppled 1351 pins to emerge the champion in the inaugural UTP-Media Bowling Meet 2008 at Ampang Superbowl, Ipoh on 11th February 2008. UTP team, led by M. Khalid Ka'ab, averaged 450 pins in the 3 games played to outdo its closest rival, Bernama. The Bernama team finished as runners-up with a total of 1134 pin falls while Kosmo was declared second runners-up with 1100 pin falls. A total of 11 teams from the local media and 7 teams from UTP took part in the tournament, organised to strengthen the relationship with the mainstream local media organisations.

18 February 2008

2nd Industry Advisory Panel Meeting

UTP held its 2nd Industry Advisory Panel (IAP) Meeting with 20 of its panel members in attendance including two new members for the Petroleum Geoscience Programme and one for the Chemical Engineering Programme. The members represented a wide range of industries including PETRONAS OPUs, MAS, Proton, Ranhill, MIMOS and Schlumberger. The meetings covered issues relating to strategies and efforts to further enhance the University's curriculum and establish academic-industry collaboration especially in research development and consultancy.

March – April 2008

18 March 2008

UTP Sports & Co-Curicular Appreciation Night 2008

The UTP Sports & Co-Curriculum Appreciation Night 2008, organised by the Co-Curriculum Unit was held to give recognition and appreciation to all students and staff who had represented the University in various events/tournaments and have contributed in the development of sports and co-curricular activities in UTP.

22 March 2008

Academic Seminar 2008

An academic seminar for secondary school students was held for 600 students from schools around Perak. This programme, involving 82 UTP students as facilitators, was organised by the Career Advisory Services Unit and was part of the promotion drive which was aimed to lure as many students as possible to attend the upcoming Technology, Education & Career 2008.

The events, activities and achievements listed cover those from January 2008 to March 2009.

27–28 March 2008

International Conference on Plant Equipment and Reliability 2008 (ICPER 2008)

The inaugural International Conference on Plant Equipment and Reliability 2008 which was held at the Sunway Pyramid Convention Centre played host to about 120 presenters and participants from various institutions and countries, most notably Iran, Iraq, India, Pakistan, Indonesia and Nigeria with the objectives to provide a platform for university researchers and industry practitioners to exchange ideas and learn about the recent findings and the latest research outcomes which can be put to good use in operations. It is hoped that these discussions will enhance performance and improve operations, thus reducing costs in plant operations.

31 March 2008

National Postgraduate Conference On Engineering, Science and Technology 2008 (NPC2008)

The Postgraduate Studies Department organised the inaugural National Postgraduate Conference on Engineering, Science and Technology 2008 (NPC 2008). The conference played host to about 112 participants from UTP and other institutions, including Universiti Malaya, Universiti Sains Malaysia, International Islamic University, Universiti Tenaga Nasional and Universiti Tun Hussein Onn. The theme of NPC 2008 was 'Nurturing New Minds for Future Technology'. NPC aims to broaden networking and enhance cooperation and togetherness among academics and scholars in science and technology.

1–2 April 2008

Technology, Education & Career 2008 (TEC 2008)

A total of 80 companies participated in the Technology, Education & Career 2008 (TEC 2008) held at the Chancellor Complex of Universiti Teknologi PETRONAS (UTP). This programme was jointly organised by the Student Representative Council and the Career Advisory Services Unit. The objective of this event was to create an awareness among UTP students as well as other students on the learning opportunities, job recruitment and the latest available technology. Among the companies that took part in TEC 2008 were PETRONAS, Schlumberger, Murphy Oil, SBM Offshore, duGeo Solutions, Ranhill Worley, Orogenic, WIM, Baker Hughes, Talisman, HESS, MMC, Weatherford, Cameron, Global Offshore, and Ramunia.

5 April 2008

UTP Festival of Colours of the World (FESCO 2008)

The Festival of Colours of the World (FESCO) 2008, with its theme 'Integration Through Culture Arts' was organised by the Co-Curriculum Unit in collaboration with PETRONAS Performing Arts Group (PPAG). It was participated by various institutions of higher learning that performed various dances from the different ethnic groups in Malaysia. The main objective of bringing together several institutions of higher learning was to showcase Malaysian heritage through folk and traditional dances and have a better understanding and appreciation towards the nation's rich cultural diversity and fine arts.

May–June 2008

5 May 2008

Special Lecture by His Royal Highness The Regent of Perak, Raja Dr Nazrin Shah

The Regent of Perak, Raja Dr Nazrin Shah delivered a special lecture on 'The Challenges Of Human Capital Development' to more than 2,000 guests. In his lecture His Royal Highness Raja Nazrin emphasised that development of knowledge, skills and abilities on one hand, and the moulding of values, belief and attitudes on the other are the two pillars of human capital development. These developments must ultimately lead to the formation of a positive, confident, resilient and morally strong character.

The University has been organising this Public Lecture series since 1998 and since then it has invited many prominent speakers including Yang Amat Berbahagia Tun Dr Mahathir Mohamad, Yang Berbahagia Prof Emeritus Dato' Dr Khoo Kay Kim and Yang Berbahagia Tan Sri Mohd Ghazali Shafie to provide audiences with better insight into national and global issues.

The events, activities and achievements listed cover those from January 2008 to March 2009.

10–12 June 2008

The Society of Petroleum Engineers Malaysia Student Chapter Conference 2008 (SPEMSCC 08)

The Society of Petroleum Engineers Malaysia Student Chapter Conference 2008 (SPEMSCC 08) was organised to provide an opportunity for graduating students to engage in discussions on the future direction for young professionals in the upstream sector of the oil and gas industry. The 3-day conference was attended by more than 300 participants including delegates from Universiti Malaysia Pahang and some renowned universities in Indonesia. Among the speakers present from the industry were professionals from PETRONAS, Petrominwork, Shell, Schlumberger, Halliburton and Murphy Oil.

12–17 June 2008

Java Training Programme for Anak Perak 2008

In line with Universiti Teknologi PETRONAS's academic philosophy of participating actively in consultancy work as well as in assisting those in need, the Department of Computer and Information Sciences (CIS), in collaboration with KPerak Implementation and Coordination (INC) Corporation and Perak State Department of Education conducted a 6 day training programme for secondary school students from all over Perak. The 'JAVA Training Programme for Anak Perak 2008' was held to expose students to the latest in JAVA programming language. A total of 200 participants consisting of 160 students and 40 teachers successfully completed the training.

16–20 June 2008

The International Conference on Construction and Building Technology 2008 (ICCBT 2008)

The International Conference on Construction and Building Technology 2008 (ICCBT 2008), co-organised by Universiti Tenaga Nasional (UNITEN), International Association for Concrete Technology (IACT) and Universiti Teknologi PETRONAS (UTP), was officiated by YB Dato' Ir. Mohd Zin b. Mohamed, Minister of Works, Malaysia. The conference played host to about 200 presenters and participants from various institutions and 36 other countries, most notably USA, United Arab Emirates, United Kingdom, Australia, Taiwan, Japan, the Netherlands and Canada. ICCBT is part of a series of conferences organised by IACT. The first seven meetings were held in Jordan (1983), Libya (1986, 1993), Cyprus (1996), India (1999), Jordan (2002) and Malaysia (2004).

July –August 2008

8 July 2008

Academic Advisory Council Meeting 2008

The Academic Advisory Council of Universiti Teknologi PETRONAS (UTP) held their sixth meeting at PETRONAS Twin Towers. One of the items discussed was matters relating to the strategic development of the University including its R&D efforts and international linkages. The Council also acted as a forum for the exchange of ideas between academics and those in industry, while providing the guidance and strategic direction needed for the development of the University.

10 July 2008

UTP Offshore Lab is Officially Open

Civil Engineering Department Universiti Teknologi PETRONAS announced the opening of an offshore lab with a 22 meter long by 10 meter wide and 1.5 meter deep wave tank. The facility is capable of generating many types of waves with a state of the art capability to observe and measure the effect of waves on structures like jetties, seawalls, revetments, pontoons, etc.

12–13 July 2008

Student Leaders Gain Invaluable Lessons at the Inaugural "Career Summit for Future Malaysian Leaders (CASFUMAL 08)"

The inaugural CAREER SUMMIT FOR FUTURE MALAYSIAN LEADERS (CASFUMAL'08) held at the Pan Pacific KLIA Hotel saw a gathering of 350 student leaders from 20 institutions of higher learning in the country. These future leaders left the summit with a fresh perspective on leadership values through the sharing of experiences with top-notched industry leaders.

18–19 July 2008

Karnival Sukan UTP

UTP took part in the Karnival Sukan Harapan Zon Utara which was organised by the Ministry of Higher Education at AIMST University, Sg Petani, Kedah. UTP participated in all the games organised and was declared the overall champion of the carnival.

The events, activities and achievements listed cover those from January 2008 to March 2009.

28–29 July 2008

9th PETRONAS Tilawah Al-Quran Assembly

50 PETRONAS staff members representing the various zones where PETRONAS operates, namely the PETRONAS Twin Towers, West Coast, East Coast, Sabah & Labuan and Sarawak, participated in the 9th PETRONAS Tilawah Al-Quran Assembly. Hosted for the first time by Universiti Teknologi PETRONAS (UTP) and drawn more than 500 guests, the event witnessed the talents rated in the categories of Tilawah with melody (children and adults), Tilawah Murattal (open), Quranic Memorisation (men and women), Essay Writing and Quiz.

24 August 2008

8th Convocation – Living the Spirit of Lifelong Learning

This year's 8th Convocation witnessed a total of 1088 graduating students from various programmes including 1 graduate from Civil Engineering and 3 graduates from Chemical Engineering being conferred the Doctor of Philosophy in Engineering.

25 August 2008

UTP is the first university to receive MSOSH OSH Award 2007

Universiti Teknologi PETRONAS (UTP) is the first university in Malaysia to have received the Malaysian Society for Occupational Safety & Health (MSOSH) Award under the Service Sector category. This was a maiden participation by the University with the objective of assessing the University's occupational safety & health management standards based on the criteria set by the MSOSH Award 2007.

25 August 2008

UTP Contigent at Perak State National Day Celebration 2008

In all of the last 9 years, UTP has never failed to participate in the Merdeka Parade held by the Perak state government during the National Day celebrations. This year's contingent consisted of 55 students from various programmes.

September – October 2008

19 September 2008

Iftar With PETRONAS at Masjid AN-Nur Universiti Teknologi PETRONAS (UTP) 2008

Organising Iftar gatherings in conjunction with Ramadan has become a tradition practised by the PETRONAS Group every year. This is a way to strengthen ties with the local community and to ease the burden of the needy, so that everyone would be able to enjoy a more meaningful Aidil Fitri. Iftar at Universiti Teknologi PETRONAS (UTP) was hosted by YBhg Datuk Anuar Ahmad, Vice President of Oil Business, PETRONAS and graced by more than 2000 guests, including 43 less fortunate members of the community from nearby areas such as Tronoh, Kampung Bali, Kg Serkai Jadi, Kg Kurnia, Kampuang Merbau dan Bandar Universiti.

16 October 2008

Public Lecture by YABhg Tun Dr Mahathir bin Mohamad on 'National Identity and Power Sharing'

Tun Dr Mahathir Mohamad, the Chancellor of Universiti Teknologi PETRONAS (UTP) delivered a public lecture on 'National Identity and Power Sharing' at the Chancellor Hall. The main objective of this annual event was to share with the staff, students and public the knowledge and experiences that this special speaker had acquired especially during his service as the Prime Minister of Malaysia from 1981–2003.

17 October 2008

Aidilfitri @ Universiti Teknologi PETRONAS

Held annually to celebrate and to strengthen ties in the true spirit of the festival, over 1,500 guests including state government officers, staff of PETRONAS OPUs in Perak, UTP staff and their family members attended this joyous occasion.

The events, activities and achievements listed cover those from January 2008 to March 2009.

November – December 2008

7 November 2008

UTP Quality Day 2008

This year's UTP Quality Day (Q Day), the 6th since UTP embarked on its quality journey, was held to celebrate the staff's dedication, contribution and commitment in the various categories. The Rector presented certificates to all 202 attendees of the 5QPs and Corporate Agenda Training Session and tokens of appreciation to 13 UTP Quality Facilitators. 16 awards were also presented for Long Service, Premium Researcher, Publication, Mesra and Leadership categories.

11 November 2008

GTS – UTP Technology Collaboration Initiatives

Group Technology Solutions (GTS) of Research & Technology Division PETRONAS in collaboration with Universiti Teknologi PETRONAS (UTP) officially launched the GTS-UTP Technology Collaboration initiative. This launch was attended by representatives from technology providers like Emerson, Honeywell, Foxboro, Yokogawa, Endress+Hauser, MTL, Pepperl+Fuchs, Fisher, Metso and Masoneilan. The objectives of the collaboration were, amongst others, to capitalise on PETRONAS' experience in Oil & Gas industry for the development of technology and to pave the way for the industries and University to work together for future practical technology development. Among notable achievements of this unique collaboration included the completion of the FOUNDATION Fieldbus Testing Facilities and Partial Stroke Testing Facilities, in which both initiatives were driven by GTS and supported by the SKG14 Improvement Working Group (IWG) as well as the Electrical and Electronic Engineering Department of UTP.

1–3 December 2008

Kem Cuti Sains MRSM 2008 - Developing Young Scientists

MARA Education and Training (Secondary) Division, MRSM Pasir Salak and Universiti Teknologi PETRONAS (UTP) organised Kem Cuti Sains MRSM 2008 – Developing Young Scientists at the campus. This is a collaborative programme between MARA and Universiti Teknologi PETRONAS. 149 MRSM students who had completed their Form 4 studies at the MRSM colleges were selected to attend the programme. The main aims of this event were to inculcate a research culture among the upper secondary MRSM students and instill an interest in science and mathematics amongst students so that they would opt for a career in science and technology.

10–12 December 2008

PETRONAS Counsellor Seminar 2008

The PETRONAS School Counsellor Seminar 2008 was held to acknowledge the importance of school counsellors in shaping the minds of the young for the future. About 200 school counsellors from East and West Malaysia participated in the event. The seminar, organised by the Education Sponsorship Unit, in collaboration with UTP and PETROSAINS was aimed to refresh the counsellors' skills while instilling a passion in the field and stressing the importance of their roles in schools. The seminar also aimed at exposing the counsellors to the latest developments in counselling practices, and enlightening them on the education and career opportunities at PETRONAS.

18 December 2008

Menggapai Impian

PETRONAS places great emphasis in undertaking its corporate social responsibility on the surrounding communities where it has its operations locally and abroad.

Similarly, the University shares the value espoused by PETRONAS and today, for the second time since last year, it has taken the initiative to conduct a programme called 'Menggapai Impian' which is designed with the aim of enhancing the learning experience of the underprivileged in order for them to enjoy a better learning environment. Under this initiative, the University's staff volunteers adopted a child before the school semester starts and sponsored a child with a minimum of RM100.00 in the form of stationeries, schoolbags, uniforms and shoes for the preparation of the new school semester. 56 students from two homes namely Rumah Kanak-kanak Sultan Abdul Aziz, Kuala Kangsar and Rumah Anak-anak Yatim Maahad Tahfiz Al Taufi Qiah, Kg. Boyan, Taiping benefited from this programme.

28 December 2008

UTP Family Day

Universiti Teknologi PETRONAS (UTP) staff members once again showed their spirit of unity and togetherness when they recently participated in the UTP Family Day 2008. It was organised by UTP's Human Resource Department at the Felda Residence Hot Springs, Sungai Klah, Sungkai, Perak. It was held to foster camaraderie and closeness among the members of the UTP family. Themed 'Let's Have Fun', the events organised gave the opportunity for staff to contribute and demonstrate their hidden talents by participating in the group performances. Some lucky winners also walked home with attractive prizes in the lucky draws. The event was hosted by Malaysian popular artist, Salleh Yaacob.

The events, activities and achievements listed cover those from January 2008 to March 2009.

January – February 2009

5 January 2009

2009 Merdeka Award Lecture Series

In complementing the nation's effort in celebrating Malaysian's local icons who excel in their respective fields and disciplines, the University is also especially proud to be associated with the prestigious Merdeka Award through the Merdeka Award Lecture Series. This lecture series aims to provide an opportunity and platform for the public, particularly students, to hear and be inspired by the recipients of the Merdeka Award as they talk about their work. Each lecture features the achievements of the recipients in light of its impact on the present and future generations. It also aims to inspire the younger generation to strive for excellence. The first talk of this series was held at Universiti Sains Malaysia by Professor Dato' Dr Khalid Abdul Kadir who expounded on his highly specialised research area on hormones.

14 January 2009

Rector Annual Address 2009

Datuk Dr Zainal Abidin b Hj Kasim, the Rector of UTP delivered his annual address to the management and staff of the University. He presented the University's performance in the last financial year and highlighted the performance targets and as well as shared the direction of the University and expectations of the company from its staff for the new financial year 2009-2010.

10 February – 4 March 2009

Health, Safety and Environment Week 2009 (HSE WEEK 2009)

The Residential College Support Unit (RCSU) in collaboration with the HSE Department of Universiti Teknologi PETRONAS (UTP) organised the UTP Health, Safety and Environment (HSE) Week 2009. Themed "Environmental Destruction: Is Tomorrow Still There?", the event was aimed to expose the University community on the importance of preserving and nurturing the environment. It is also hoped that it will inculcate safety and health aspects in all activities organised on campus.

17 February 2009

PDB Opens Mesra Shoppe at UTP

Mesra Shoppe, the first standalone convenience store of PETRONAS Dagangan Berhad (PDB) was officially opened at UTP. The opening of the convenience store further demonstrated the company's commitment to provide quality service and convenience to its customers and loyal patrons.

17 February 2009

The University Transformation Plan

The University has embarked on a transformation plan whereby series of planning workshops had been conducted including a workshop with external reviewer at Equatorial Hotel, Kuala Lumpur. This workshop was conducted to review the proposed Mission Oriented Research Technology Roadmaps developed and the new research areas with the external reviewers.

17 –18 February 2009

Regional Conference on The Humanities

The inaugural Regional Conference on The Humanities was organised at Universiti Teknologi PETRONAS. The conference played host to about 200 presenters and participants from various institutions and countries. The conference gathered scholars and practitioners to discuss the issues and challenges towards ASEAN's regional community building. The conference also laid open an avenue to further explore a myriad of research areas on the humanities that have contributed to public interest.

24 February 2009

UTP – Transocean Ink Deal for Academic Chair Sponsorship in Drilling Technology

The signing of a Memorandum of Understanding (MoU) between Universiti Teknologi PETRONAS (UTP) and Transocean marked another important milestone for UTP in its quest to attain academic and R&D excellence. Transocean, a leading company in providing offshore drilling services particularly in deepwater will enable UTP to accelerate its capability in deepwater technology which is one of the main focus areas of UTP R&D. The establishment of a Drilling Technology Chair at UTP will provide the critical link required to ensure the success of the collaborations.

The events, activities and achievements listed cover those from January 2008 to March 2009.

March 2009

17 March 2009

SPE Oil & Gas Symposium 2009

The Oil & Gas Symposium 2009, organised by the Society of Petroleum Engineers UTP Student Chapter (SPESCUTP) was held to provide an opportunity for the graduating students to engage in discussions on future direction for young professionals in the upstream sector of the oil and gas industry. The symposium was attended by more than 300 participants from various universities in Malaysia as well as universities from Indonesia which currently offer Petroleum Engineering programmes.

Academic Overview

The University throbbed with various academic activities. As an overview this report shall cover academic programmes, publications and conferences and R&D exhibitions and competitions:

Academic Programmes

Since the University's inception, it has strived to add value to its programme offering and academic content so that they are industry relevant. The following is a listing of the University's academic programmes for undergraduate and postgraduate as at March 2009:

Foundation Programmes

- Engineering
- Technology

Bachelor of Engineering (Honours)

- Chemical
- Civil
- Electrical and Electronic
- Mechanical
- Petroleum

Bachelor of Technology (Honours)

- Business Information Systems
- Information and Communication Technology
- Petroleum Geoscience

MSc by Coursework & Dissertation

- Process Integration
- Petroleum Engineering
- Petroleum Geoscience
- Advanced Process Control
- Electronic System Engineering
- Asset Management and Maintenance

MSc / PhD by Research

- Civil Engineering
- Chemical Engineering
- Electrical & Electronic Engineering
- Mechanical Engineering
- Petroleum Engineering
- Petroleum Geoscience
- Information Technology

Books and Journals

Books/Chapter

Title	Author (s)	Publisher
Modelling, Simulation and Opitmization of Complex Process/ Development of a Fault Detection Model-Based Controller	Vu Trieu Minh and Nitin Afzulpurkar	Springer Verlag GMBH
Statistical Analyses of Ozone Temporal Trends	Nooryusmiza Yusoff	United Kingdom: VDM Verlage
Heat Transfer – Principles and Applications (7th reprint, 2007)	Binay Kanti Dutta	Prentice Hall India
Principles of Mass Transfer and Separation Processes	Binay Kanti Dutta	Prentice Hall India
Optimization Strategies for Petroleum Refinery Planning under Uncertainty: A Hybrid of Stochastic Programming Approaches with Economic and Operational Risk Management	Khor, C S and A Elkamel	Saarbruecken, Germany: VDM Verlag Dr Müller e.K. Publishing House
Technological Transformation and Competitiveness in the Middle East. Contributed chapter on "Production Systems Optimization Methods for Petroleum Fields"	Khor, C S and A Elkamel	United Kingdom: Inderscience Publishers
Environmentally Conscious Materials and Chemicals Processing. Contributed chapter on "Waste Reduction for Chemical Plant Operations"	Khor, C S, C M R Madhuranthakam, and A Elkamel	New Jersey: John Wiley & Sons
Handbook of Petroleum and Natural Gas Refining and Processing, ASTM Manual Series, Manual 58. Contributed chapter on:"Computer Applications in Petroleum Refinery Operations"	Khor, C S and A Elkamel	Pennsylvania: ASTM International
"Advances in Industrial Engineering and Operations Research" Chapter 11: A Novel Matrix Approach to Determine Makespan for Zero Wait Batch Processes – Edited by Alan H S Chan & Sio-long Ao	Amir Shafeeq, M I Abdul Mutalib, K A Aminuddin and Ayyaz Muhammad	Springer
Supply Chain Theory and Applications "Modeling of Supply Chain Contextual-Load Model for Instability Analysis" pp 489-514, Chapter 24, in Kordics (Eds)	N Saad, V Kadirkamanathan and S Bennett,	I-TECH Education and Publishing, Vienna, Austria
Business Management – A Malaysian Perspective	Khalidah Khalid, Satirenjit Kaur, Lai Fong Woon, Rohani Salleh, Sofiah Malek, Rahayu Abd Rahman and Ilmiah Ibrahim	Oxford University Press
Blinded by the Lights: Journalism and Communication Study in Malaysia since 1971	A Murad Merican and Ed	University Publication Centre (UPENA)/ Shah Alam
Buku Rumus Matematik Untuk Pelajar IPTA/IPTS	Ahmad Shukri Yahaya and Wan Fatimah Wan Ahmad	Petaling Jaya: Prentice Hall, 2003
Designing Architechture for IMPlayer as a Tool for Supporting Visual Education Presentation	Rustam Asnawi, Wan Fatimah Wan Ahmad and Dayang Rohaya	LNSC, Springer Verlag
Designing 3 Dimensional Virtual Reality using Panaromic Image	Wan Norazlinawati, Wan Fatimah Wan Ahmad, Shahrina Md Nordin,Subarna Sivapalan and Azrai Abdullah	LNSC, Springer Verlag
The Use of Visual Learning in Application of Integration	Afza Shafie, Josefina Barnachia Janier and Wan Fatimah Wan Ahmad	LLNSC, Springer Verlag

The events, activities and achievements listed cover those from January 2008 to March 2009.

Journals

Author(s)	Title	Journal	Volume/Reference No
Ahmed M S Ali, Michael P Kirkpatrick	Toward a Grid Independent Large Eddy Simulation of Premixed Turbulent Combustion	Journal of Computational Fluid Dynamics	Vol. 17(1), pp 60-74, 2008
Amir Shafeeq, M I Abdul Mutalib, K A Amminudin and Ayyaz Muhammad	Determination of Inter-stage Idle Times in Scheduling Design of a Three Stage Zero Wait Batch Process	Journal of Applied Sciences	Vol. 8 (9), pp 1706-1712, 2008
Amir Shafeeq, M I Abdul Mutalib, K A Amminudin and Ayyaz Muhammad	New Completion Time Algorithms for Sequence Based Scheduling in Multiproduct Batch Processes Using Matrix	Journal of Chemical Engineering Research and Design	Vol. 86, pp 1167-1181, 2008
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Amir Shafeeq, M I Abdul Mutalib, K A Amminudin and Ayyaz Muhammad	Scheduling Three Stage Flowshop Processes With no Intermediate Storage Using Novel Matrix Approach	Journal of Applied Sciences	Vol.8 (11), pp 2136-2141, 2008
Ayyaz Muhammad, Mohamed I Abdul Mutalib, Thanabalan Murugesan & Amir Shafeeq	Viscosity, Refractive Index, Surface Tension and Thermal Decomposition of Aqueous N-Methyldiethanolamine Solutions from 298.15 to 338.15 K	Journal of Chemical Engineering Data	Vol. 53, pp 2226-2229, 2008
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Anita Ramli, Farinaa Md Jamil and Ishak Ahmad	Effect of Support on the Activity of MoVCeZr Catalyst for Propane Ammoxidation Reaction	Journal of Solid State Science and Technology,	Vol. 16 (1), pp 55-62, 2008
Azmi Mohd Shariff and Tan Sew Keng	On-line At-Risk Behavior Analysis and Improvement System (e-ARBAIS)	Journal of Loss Prevention in Process Industries	Vol. 21 (3), pp 326-335, 2008
A Shamshad, M N Azhari, M H Isa, W M A Wan Hussin, B P Parida	Development of an Appropriate Procedure for Estimation of RUSLE EI30 Index and Preparation of Erosivity Maps for Pulau Pinang in Peninsular Malaysia	Journal of Soil Science, Hydrology and Geomorphology	Vol. 72 (3), pp 423-432, 2008
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Ahmad Murad Merican	Telling Tales, Print and the Extension of Media: Malay Media Studies Beginning with Abdullah Munsyi Through Syed Shaykh Al-Hady and Mahathir Mohamad	Journal of Malaysian Studies	Vol. XXIV,(1&2), pp 151-171, 2008

Journals

Author(s)	Title	Journal	Volume/Reference No
Abas Md Said	A Novel Map-matching Algorithm to Improve Vehicle Tracking System Accuracy	Platform, Universiti Teknologi PETRONAS	Vol. 6 (1), pp 65-69, 2008
Asim M, Jeoti V	Efficient and Simple Method for Designing Chaotic S-boxes	ETRI Journal	Vol. 30 (1), pp 170-172, 2008
Ahmad Fadzil M H, S Norashikin, H H Suraiya, Hermawan Nugroho	Independent Component Analysis for Assessing Therapeutic Response in Vitiligo Skin Disorder	Journal of Medical Engineering and Technology (JMET), Informa Healthcare, Taylor & Francis	Vol. 33 (2), pp 101-109, 2009
Birol Demiral, O Izgec, H Bertin and S Akin	CO2 Injection into Saline Carbonate Aquifer Formations II: Comparison of Numerical Simulations to Experiments	Journal of Transport in Porous Media	Vol. 73 (1), pp 57-74, 2008
Bhattacharya A, Vasant P, Sarkar B, Mukherjee S K	A Fully Fuzzified, Intelligent Theory of Constraints Product-Mix Decision	International Journal of Production Research	Vol. 46 (3), pp 789-815, 2008
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Chan T Leong and Azmi Mohd Shariff	Inherent Safety Index Module (ISIM) to Asses Inherent Safety Level During Preliminary Design Stage	Trans IChemE, Part B, Process Safety and Environmental Protection – Official Journal of European federation of Chemical Engineers	Vol. 86 (2), pp 113-119, 2008
Chong Su Li, Sumathi Renganathan	Voices of Ardent Readers: One in Concert	Journal of the Malaysian English Language Teaching Association	Vol. XXXVII, pp. 1-14, 2008
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Emad Elmolla and Malay Chaudhuri	Improvement of Biodegradability of Synthetic Amoxicilin Wastewater by Photo Fenton Process	Journal of World Applied Sciences	(Special Issue for Environment) Vol. 5, pp. 53-58, 2009
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Faizan Javed, P A Venkatachalam, Ahmad Fadzil M Hani	A Signal Processing Module for the Analysis of Heart Sounds and Heart Murmurs	Platform,Universiti Teknologi PETRONAS	Vol. 6, (1), pp 69-75, 2008
Faiz Ahmad	Control of Molding Defects in Powder Injection Molded Metal Composites	International Journal on Powder Metallurgy	Vol. 44 (3), pp 69-76, 2008
Gunawan Nugroho, Ahmed M S Ali, Zainal A Abdul Karim	Toward a New Simple Analytical Formulation of Navier-Stokes Equations	Journal of World Academy of Science, Engineering and Technology	Vol. 51, pp. 103-107, 2009
H Zabiri and N Mazuki	A Black-box Approach in Modeling Valve Stiction	International Journal of Natural Sciences and Engineering	Vol. 2 (1), pp. 24-31, 2009

The events, activities and achievements listed cover those from January 2008 to March 2009.

Journals

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H Rahardjo, I Meilani, E C Leong, R B Rezaur	Shear Strength Characteristics of a Compacted Soil under Infiltration Conditions	Journal of Geomechanics and Engineering	Vol. 1 (1), pp 35-52, 2009
Hairuzila Idrus, Rohani Salleh	Perceived Self-efficacy of Malaysian ESL Engineering and Technology Students on their Speaking Ability	Journal of the Malaysian English Language Teaching Association	Vol. XXXVII, pp. 61-75, 2008
Hanita Daud, Noorhana Yahya, Azizuddin A Aziz, Mohd Fadzzrul Jusoh	Development of Wireless Electric Concept Powering Electrical Appliances	American Journal of Engineering and Applied Sciences (AJEAS)	Vol. 1 (1), pp12-15, 2008
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Izzatdin Aziz, Nazleeni Haron, Low Tan Jung, WAN Rahaya Wan Dagang	Parallelization of Prime Number Generation Using Message Passing Interface	Platform, Universiti Teknologi PETRONAS	Vol. 6 (2), pp 111-115, 2008
Izzatdin Aziz, Nazleeni Haron, Low Tan Jung, WAN Rahaya Wan Dagang	Parallelization of Prime Number Generation Using Message Passing Interface	WSEAS Journal Transaction of Computers	Vol. 7 (4), pp 291-303, 2008
Irving Putra Paputungan, Azween Abdullah	Recovery Model for Survivable System through Critical Service Resource Reconfiguration	International Arab Journal of Information Technology and Multimedia	Vol. 6 (4), pp 412-417, 2009
Karuppanan, S Hills, D A	Sliding of General Frictional Complete Contacts	International Journal of Mechanical Sciences	Vol. 50 (9), pp 1404-1410, 2008
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Khoo, T S Ratnam, M M Shahnaz, S A B, Abdul Khalil, H P S	Wood Filler-recycled Polypropylene (WF-RPP) Composite Pallet: Study of Fastening Method	Journal of Reinforced Plastics and Composities	Vol. 27 (16-17), pp 1723-1731, 2008
Kiki A Kurnia, Cecilia Devi Wilfred, T Murugesan, F Harris, M I Abdul Mutalib	Thermophysical, properties of Hydroxyl Ammonium Ionic Liquids at Temperatures (293.15 to 363.15)K	Journal of Chemical Thermodynamics	Vol. 41, pp 517-521, 2009
K S Rama Rao and Khairul Nisak Md Hasan	Design Optimization of 3-Phase Rectifier Power Transformers by Genetic Algorithm and Simulated Annealing	International Journal of Power, Energy and Artificial Intelligence, Universiti Teknologi Mara, Shah Alam, Malaysia	Vol. 1 (1), pp 8-13, 2008
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Munzir A Ibrahim Hussain H Al Kayiem	Prediction of Pressure Drop Correction to Suit Wax Deposition Modelling in Annuar Test Section	PETRONAS Technology Journal	Vol. 2, (2), 2009
M A Abdullah, Anisa ur Rahmah, A J Sinskey, C K Rha	Cell Engineering and Molecular Pharming for Biopharmaceuticals	The Open Medicinal Chemistry Journal	Vol.2,(13),pp 49-61, 2008
M Ramasamy, A Shahid, H Zabiri	Drift Analysis on Neural Network Model of Heat Exchanger Fouling	Journal of Engineering Science & Technology	Vol. 3, (1), pp 40-47, 2008

Journals

Author(s)	Title	Journal	Volume/Reference No
Mahesh G, I Regupathi and T Murugesan	Optimization and Analysis of Ni Adsorption on Microwave Irradiated Rice Husk Using Response Surface Methodology (RSM)	Journal of Chemical Technology & Biotechnology	Vol. 84, (2), pp. 291-301, 2008
M Ramasamy and S Sundramoorthy	PID Controller Tuning for Desired Closed-loop Responses for SISO Systems Using Impulse Response	Journal of Computer and Chemical Engineering	Vol. 32, pp 1773-1788, 2008
M Iqbal, Z Man, H Mukhtar and Binay K Dutta	Solvent Effect on Morphology and CO2/CH4 Separation Performance of Asymmetric Polycarbonate Membranes	Journal of Membrane Science	Vol. 318, pp 167-175, 2008
M H Isa, N Ibrahim, H A Aziz, M N Adlan, N H M Sabiani, A A L Zinatizadeh, S R M Kutty	Removal of Chromium (VI) from Aqueous Solution using Treated Oil Palm Fibre	Journal of Hazardous Materials	Vol. 152 (2), pp 662–668, 2008
Mohd. Nordin Adlan, Han Thein Maung, Hamidi Abdul Aziz, Yung-Tse Hung	Performance of Horizontal Flow Roughing Filter using Limestone Media for the Removal of Turbidity, Suspended Solids, Biochemical Oxygen Demand and Coliform Organisms from Wastewater	International Journal of Environment and Waste Management	Vol. 2 (3), pp 203-214, 2008
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Mohamed R Shalaby, Wan Hasiah Abdullah and Abdelmoneim N Abu Shady	Burial History, Basin Modeling and Organic Geochemistry in the Western Desert, Egypt	Journal of Geological Society of Malaysia (GSM)	Vol. 3 , pp 103-113, 2008
M Agni Catur Bhakti, Azween Abdullah, Low Tan Jung, Halabi Hasbullah	EAP Authentication Mechanism for Ad Hoc Wireless LAN–	Journal of Information Technology & Multimedia (JITM)	Vol. 5, pp13-40, 2008
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Micheal, M.S, Begam, K.M, Cloke,M, Prabaharan, S R S	New NASICON Type Oxyanion High Capacity Anode, Li2Co 2(Mo04) 3, for Lithium-ion Batteries: Preliminary Studies	Journal of Solid State Electrochemistry	Vol. 12 (7-8), pp 1025-1029, 2008
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N Shafiq and M F Nuruddin	Comparison of Engineering and Durability Properties of Fly Ash Blended Cement Concrete made in UK and Malaysia	Journal of Advances in Applied Ceramics Institute of Materials, Minerals and Mining	Vol. 106 (6), pp 314-318, 2008

The events, activities and achievements listed cover those from January 2008 to March 2009.

Journals

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Nidal Kamel, Shohel Sayeed, Rosli Besar	A Novel Approach to DSV Using Sensor-Based Data Glove	American Journal of Applied Sciences	Vol. 6 (2), pp 233-240, 2009
Nidal Kamel, Shohel Sayeed,	SVD-based Signature Verification Technique	International Journal of Pattern Recognition and Artificial Intelligence	Vol. 22(3), pp 431-443, 2008
Noorhana Yahya, Ami Salwani Nor Aripin, Hanita Daud, Hasnah Mohd Zaid, Azizuddin A Aziz, Noreha Maarof	Synthesis and Charaterization of Magnesium Zinc Ferrites as Electromagnetic Source	American Journal of Engineering and Applied Science	Vol. 1 (1), pp 54-57, 2008
N Z Yahaya, K M Begam, M Awan	Review on Gallium Nitride HEMT Device Technology for High Frequency Converter Applications	Journal of Power Electronics	Vol. 9 (1), pp 36-42, 2009
N Z Yahaya, K M Begam, M Awan	A Review on VHF Power Electronics Converter and Design Issues	IAENG Engineering Letters	Vol.16 (3),pp 288-293, 2008.
O M Foong, Ahmad I Z Abidin, S P Yong and Harlina M Ali	Scalable Text Filtering System Platform Universiti Teknologi PETRONAS	Platform Universiti Teknologi PETRONAS	Vol. 5 (3), 2008
P D D Dominic, M Punniyamoorthy, Savita K S and Noreen I A	Performance Measurement – A Balanced Score Card Approach	Platform, Universiti Teknologi PETRONAS	Vol.6 (2), pp 129-136,20008
P D D Dominic, Ahmad Kamil, P Parthiban and S C Lenny Koh	A Comparative Representation Approach to Modern Heuristic Search Methods in a Job Shop	International Journal of logistics Economics Globalization (IJLEG), Inderscience	Vol. 1(3-4), pp 396-409, 2008
P D D Dominc, Dr Ahmad Kamil., Dr Murugesan. and Ms Sridevi	Multi-Attribute Analysis of Offshore Outsourcing Location Decision using a Decision Support System Framework,	International Journal of Business Information System (IJBIS)	Vol. 3 (5), pp 445-463, 2008
P D D Dominic, Izzatdin Abdul Aziz. and Goh Kim Nee.,	A Decision Support System for Performance Appraisal	Platform, Universiti Teknologi PETRONAS	Vol. 6 (1), pp 110-115, 2008
Prasanna, I Regupathi and T Murugesan	An Optimization Study on Microwave Irradiated Decomposition of Phenol in Presence of H2O2	Journal of Chemical, Technology & Biotechnology	Vol. 84 (1), pp 83 - 91 2009
Regupathi I and T Murugesan	Liquid-Liquid Equilibrium of Poly (ethylene glycol) 4000 + diammonium Hydrogen Phosphate + Water at different temperatures	Journal Chemical & Engineering Data	Vol. 53 (7), pp 1574-1578, 2008
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Ramiah Jegatheesan, Nursyarizal Mohd Nor, Mohd Fakhizan Romlie	Piecewise Power Flow Solution using Impedence Parameters	International Journal of Power, Energy and Artificial Intelligent	Vol. 1 (1), pp 50-55, 2008
Shaharin Anwar Sulaiman, M Lawes	Burning Rates of Turbulent Gaseous and Aerosol Flames	Online Journal World Academy of Science, Engineering and Technology	Vol. 53, pp 1010-1015, 2009

Journals

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Shaharin Anwar Sulaiman M A M Said, M A Mubin, R I Shazi	Experimental Investigation an Air Enhancement Devices on the Performance of a Spark Ignition Engine	Institution of Engineers Journal	Vol. 72, pp. 9-14, 2009
S Chakrabarti, B Chaudhuri and Binay K Dutta	Adsorption of Model Textile Dyes from Aqueous Solutions using Agricultural Wastes as Adsorbents; Equilibrium, Kinetics and Fixed Bed Column Study,	International Journal of Environment and Pollution	Vol. 34 (1-4), pp 261-274, 2008
Shaharun, M S, Mukhtar, H, Dutta, B.K	Solubility of Carbon Monoxide and Hydrogen in Propylene Carbonate and Thermomorphic Multicomponent Hydroformylation Solvent	Journal of Chemical Engineering Science	Vol. 63 (11), pp 3024-3035, 2008
Shreela M, Sheeja R Y and T Murugesan	Optimization of Process Variables for Biosorption of Nickel using Response Surface Methodology	Korean Journal of Chemical Engineering	Vol. 26 (2), pp 364-370, 2009
Sarang, A, Lence, B J, Shamsai, A	Multiple Interactive Pollutants in Water Quality Trading	Journal of Environmental Management	Vol. 42 (4), pp 620-646, 2008
Sakidin, H, Abu Bakar, M R, Shariff, A R M, Nooraini, M S Md, Matori, Abd N, Mohamed, A, Ahmad, A	The Effect of UNBabc Mapping Function Modification to GPS Tropospheric Delay	Malaysian Journal of Mathematical Sciences	Vol. 2 (1), pp 59-71, 2008
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Subarna Sivapalan, Hairuzila Idrus, Ena Bhattacharyya, Shahrina M Nordin	Engineering Students' Perception of the Influence of Young Adult Literature on Developing Appreciation for Reading	Journal of the Malaysian English Language Teaching Association	Vol. XXXVII, pp 27-39, 2008
Vijay R. Raghavan	Prediction of the Thermal Conductivity of Metal Hydrides-The Inverse Problem	International Journal of Hydrogen Energy	Vol. 34 (10), pp 7125-7130, 2009
Vu Trieu Minh and Fakhruldin Hashim	Soft Switching System Based on Weighted Probabilities for Stochastic Hybrid Multiple Model-based Control Systems	International Journal of Intelligent Control and Systems	Vol.14, (3), pp 199-203, 2009
Vu Thi Huong, Hilmi Mukhtar and T Murugesan	Simulation of Gas – Hydrate Formation from Carbon Dioxide – Methane Mixture	Journal of Chemical & BioChemical Engineering	Vol. 24 (4), pp 475-479, 2008
Vu Trieu Minh and Ahmad Majdi Abd Rani	Linear Quadratic State Feedback Design for Switched Linear Systems with Polytopic Uncertainties	International Journal of Advanced Science and Technology	Vol. 11 (4), pp 41-48, 2009
Vasant, P M, Barsoum, N N, Bhattacharya, A	Possibilistic Optimisation in Planning Decision of Construction Industry	International Journal of Production Economics	Vol.111 (2), pp 664-675, 2008
Yahya, N, Waje, S.B, Ramli, I	Carbon Nanopipe Catalysed by As-prepared NiO Nanoparticles	Journal of Sains Malaysiana	Vol. 37 (3), pp 289-293, 2008

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

The University in its pursuit to become a research intensive university has conscientiously produced various publications and participated in local and international exhibitions and expositions. The following are the highlights of the University's publication endeavours and conference participation.

Title of Paper	Author (s)	Conference	Venue
Cell Engineering and Molecular Pharming for Natural Products and Biopharmaceuticals	Abdullah M A, Anisa ur Rahmah, Siskey A J and Rha C K,	International Conference on Drug Design and Discovery, 4 – 7 Feb 2008	United Arab Emirates
Valve Stiction Detection using NLPCA	H Zabiri, A Maulud, M Ramasamy and T Thao	The 27th IASTED International Conference on Modelling, Identification and Control, 11 – 13 Feb 2008	Austria
Development of Graphitic Nanofibres for H2 Storage Application	Suriati Sufian	SSPEC 2008, 3 – 4 Mar 2008	UTM, Skudai Johor
Improving GPP Production to Satisfy Power-Hungry Nations	Nooryusmiza Yusoff	SSPEC 2008, 3 – 4 Mar 2008	UTM, Skudai Johor
Inherent Risk Assessment	Azmi Mohd Shariff and Chan T Leong	23rd Annual CCPS International Conference, AIChE Spring National Meeting, 6 – 10 Apr 2008	USA
Fault Tree Analysis using Microsoft Excel: A Case Study of Offshore Compression Platform	Azmi Mohd Shariff and Nur Adliza Hussan	Hardous Areas Conference 2008 for Manufacturing Mining, Processing and Utilities, 5 May 2008	Kuala Lumpur
Study and Optimization of Spacer Filament Geomentry for Spiral Wound Membrane	K K Lau, M Z Abu Bakar, A K Ahamad and S H Chang	6th International Conference on CFD in Oil & Gas, Metallurgical and Process Industries, 10 – 12 Jun 2008	Norway
Synthesis of Graphitic Nanofibres using Iron (III) Oxide Catalyst for Hydrogen Storage Application	Suriati Sufian, Suzana Yusup, Gavin S Walker and Azmi M Shariff	2nd International Conference on Functional Materials and Devices 2008, 16 – 19 Jun 2008	Kuala Lumpur
iCON in the Classroom: The Experience of Universiti Teknologi PETRONAS in using Process Simulation to incorporate the Systems Approach in Undergraduate Chemical Engineering Education	Khor Cheng Seong	International iCON/VMG Sim User Conference, 17 – 19 Jun 2008	Kuala Lumpur
Enhanced Oil Recovery by Surfactants for a Malaysian Sandstone Reservoir	Muhammmad Nadeem and Isa Bin Mohd Tan	CESIO 2008: 7th World Surfactants Congress, 22 – 25 Jun 2008	Paris, France
Simulation Study on Dynamic and Control of a Refrigerated Gas Plant	Nooryusmiza Yusoff, M Ramasamy and Suzana Yusup	Foundation of Computer-Aided Process Operations, 29 Jun – 2 Jul 2008	USA
A Logic-based Mixed Integer Superstructure Optimization Approach for the Optimal Design of Petroleum Refinery Topology with Environmental Considerations	Cheng Seong Khor, Chui Yee Loh and Ali Elkarnel	Foundation of Computer-Aided Process Operations, 29 Jun – 2 Jul 2008	USA
Preliminary Study of Fenton and Photo-Fenton Oxidation of Diisopropanolamine	P Nadzrul Faizura	United Kingdom-Malaysia Engineering Conference, 14 – 15 Jul 2008	UK
Reactivity Studies of Alternative Fuels from Biomas Waste	N Y Harun and N Shamsuddin	6th International Energy Conversion Engineering Conference, 28 – 30 Jul 2008	Ohio

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Structural and Refrigerant Modifications Study for Energy Conservation in an LNG Plant	Shuhaimi Mahadzir and A H A Razik	6th International Energy Conversion Engineering Conference, 28 – 30 Jul 2008	Ohio
Synthesis and Characterization of Zirconia-Mullite Composites	Saikat Maitra, Suzana Yusup and Binay K Dutta	6th International Materials Technolgy Conference & Exhibition (IMTCE2008), 24 – 27 Aug 2008	Kuala Lumpur
Hydroformylation of 1-octene using Rhodium -Phosphite Catalyst in a Thermomorphic Solvent Systems	Maizatul S Shaharun, Hilmi Mukhtar, Subhash Bhatia and Binay K Dutta	Symposium on Chemical Reaction Engineering, 7 – 10 Sep 2008	Kyoto, Japan
Development of Second Order Plus Time Delay (SOPTD) Model Form Orthonormal Basis Filter (OBF) Model	Lemma D Tufa, M Ramasamy, Sachin C Patwardhan and M Shuhaimi	The UKACC Control Conference, 9 – 14 Sep 2008	University of Manchester, UK
Electrochemicals Performance of Mo and W Doped LiVOPO4 Cathode Materials	M Azmi Bustam, Zakaria Man and Tatsumi Ishihara	2nd International Conference on Functional Materials and Devices 2008, 16 – 19 Sep 2008	Kuala Lumpur
Inferential Approach in Tube Wall Temperature Prediction for an Industial Catalytic Reforming Unit Platformer Heater	H Zabiri, S Yusop and M F Amran	CHEMECA 2008, 28 Sep – 1 Oct 2008	Australia
Dehydro-Aromatisation of Methane under Non-oxidative conditions	Chandra Mohan	CHEMECA 2008, 28 Sep – 1 Oct 2008	Australia
Synthesis and Characterization of Graphicitic Nanofibres on Unsupported NiO	Suriati Sufian, Suzana Yusup and Azmi Mohd Shariff	Tobago Gas Technology Conference 2008, 7 – 10 Oct 2008	Trinidad and Tobago
Comparison between Empirical Correlation and Computational Fluid Dynamics Simulation for the Pressure Gradient of Multiphase Flow	Yvonne S H Chang and T Ganesan	The 7th JSME-KSE Thermal and Fluids Engineering Conference, 14 – 16 Oct 2008	Japan
Environmental Quality (Scheduled Wastes) Regulations 2005: Aspects relating to Issues of Contaminated Land in Malaysia	Yin C Y, Abdul-Talib S and El-Harbawi M	Brownfield Asia 2008 3rd International Conference on Remediation & Management of Contiminated Land: Focus on Asia, 21 – 23 Oct 2008	Kuala Lumpur
Refinery Sludge Waste Stabilisation and Solidification by Concrete and Brick Development	M Z Asna and A N Akmar	Brownfield Asia 2008 3rd International Conference on Remediation & Management of Contiminated Land: Focus on Asia, 21 – 23 Oct 2008	Kuala Lumpur
Degradation of Diethanolamine by Fenton's Reagent Combined with Biological Post-Treatment	S Harimurti, P Nadzrul Faizura, Idzham Fauzi M Ariff and Binay K Dutta	IWA Chemical Industries 2008 International Conference, 9 – 11 Nov 2008	Beijing, China
Remediation of Sulfidic Wastewater-Comparison of Catalytic and Chemical Processes	Naveed Ahmad, S Maitra and Binay K Dutta	IWA Chemical Industries 2008 International Conference, 9 – 11 Nov 2008	Beijing, China
Mass Transfer Resistance in Downer Reactors	Duvvuri Subbarao	AIChE's 2008 Annual Meeting, 16 – 21 Nov 2008	Philadelphia, PA, USA
Kinetics of Hydroformylation of Higher Olefins Using Phodium-Phosphite Catalyst in a Thermomorphic Solvent System	Maizatul S Shaharun, Hilmi Mukhtar, Subhash Bhatia and Binay K Dutta	AIChE's 2008 Annual Meeting, 16 – 21 Nov 2008	Philadelphia, PA, USA

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Synthesis of Well-Defined Iron Nanoparticles on A Spherical Model Support	Noor Asmawati Mohd Zabidi, P Moodley, P C Thune and J W Niemantsverdriet	International Conference on Nanoscience and Technology 2008, 18 – 21 Nov 2008	UiTM, Shah Alam
Synthesis and Characterization of Zinc Oxide Nanoparticles vis Precipi-tation and Self-Combustion Methods	Shikh Mohd Shahrul Nizan Shikh Zahari and Noorhana Yahya	International Conference on Nanoscience and Technology 2008, 18 – 21 Nov 2008	UiTM, Shah Alam
Development of Ni Supported on TiO2 for Hydrogen Production Under Visible Light	Leong Siew Yoong and Chong Fai Kait	Symposium Kimia Analisis Malaysia (SKAM-21) ke-21, 25 – 27 Nov 2008	UMS, Sabah
Synthesis and Electrochemical Behaviour of Tin Phosphate as Anode Materials for Lithium Ion Cells	Hasanaly S M, Man Zakaria and Bustam M Azmi	Regional Conference on Solid State Science and Technology 2008, 30 Nov – 2 Dec 2008	Port Dickson, Negeri Sembilan
Effect of Dopant on the Physicochemical Properties of the Sb-V Catalysts for Propane Ammoxidation to Acrylonitrile	Anita Ramli, Asna Rahidah Abdul Hamid, Suhaina M Ibrahim and Farinaa Md Jamil	Regional Conference on Solid State Science and Technology 2008, 30 Nov – 2 Dec 2008	Port Dickson, Negeri Sembilan
PLS-Based Inferential Measurement of Fatty Acid Concentrations in Palm Oil Fractionation Plant	H Zabiri, M Ramasamy and P M D M Mustaffa	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
A Kinetic Model for the Thermal Decomposition of CaCO3 and MgCO3	Saikat Maitra, Azmi Bustam and Binay Kanti Dutta	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
A Heuristic Method to Search for Optimal Solution Using Partia Enumeration for A Multiproduct Chemical Batch Process	Amir Shafeeq, M I Abdul Mutalib, K A Amminuddin and Ayyaz Muhammad	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Synthesis and Properties of Ionic Liquids Containing 1-Alkylpyridinium and 3-Alkyl-1-Methylimidazolium Cations	Normawati M Yunus, M Ibrahim A Mutalib, Zakaria Man, M Azmi Bustam and T Murugesan	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Pushing The Limits For Natural Gas Dehydrations Process: Technology Outlook, Problem and Opportunities	Nurhayati Mellon and Azmi Mohd Shariff	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Regeneration Studies on Methane Dehydro-Oligomerisation and Aromatization using Mo-Modified HZSM-5 Zeolite	Chandra Mohan Sinnathambi	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Preliminary Investigation on the using the Product Form Torrefied Biomass Waste as Solid Fuel	Mohammad Tazli Azizan, Dewi Soraya Abdulla and Anita Ramli	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Quantification of Ultrasonic Cavitation Event	Tri Yudo Harisasono and Abdul and Halim Shah Maulud	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Copper Ion Adsorption by using Carbon Aerogels from Aqueous Solution	Dhallia Mamoun Beshir, Mohammad Azmi Bustam and Azmi Mohd Shariff	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Separation of Nitrogen from Natural Gas by Nano-Porous Membrane Using Capillary Condensation	Farooq Ahmad, Hilmi Mukhtar, Z Man and Binay K Dutta	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Inherently Safer Design Option Using A Qualitative Method	Risza Rusli, Azmi M Shariff and Faisal I Khan	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Development of a Windows-Based Air Dispersion Modelling Software Package	El-Harbawi, M Sa'ari Mustapha, Zulkifli Abdul Rashid, Yin Chun-Yang, Sherif A A and Mohammad Hatta	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Hydrodynamics of Ejector Induced Co-Current Downflow Buble Column	Umesh B Deshannavar, D Subbarao and M Ramasamy	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Synthesis and Characterization of Imidazolium-based Symmetrical Dicationic Ionic Liquids	Abubakr Khidir Ziyada, Cecilia Devi AP Welfred, M Azmi Bustam Khalil, Zakaria Man	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
In Situ Transesterifiation of Biodiesel From Jatropha Curcas	M Surya Abadi Genting, Suzana Yusup, M Tazli B Azizan, Murni M Ahamd	Symposium of Malaysian Chemical Engineering 2008, 2 – 3 Dec 2008	Kuala Lumpur
Kinetic of Solid Phase Reactions in Materials Science and Technology	Saikat Maitra, Hilmi B Mukhtar and Binay K Dutta	Technical Sessions of 72nd Annual Session of the Indian Ceramic Society, 12 – 13 Dec 2008	Jaipur, India
Biodegradability of Monoethanolamine after Fenton Treatment	Sabtanti Harimurti, Idzham F M Arif, Raihan Mahirah Ramli, Putri Nadzrul Megat Khamaruddin and Binay K Dutta	International Conference on Environment 2008 (ICENV 2008), 15 – 17 Dec 2008	USM, Penang
A Study on the Mutual Solubilities and Thermal Stability of Imidazolium based Ionic Liquid (ILS) and Organic Solvents	Ayyaz Muhammad, M Ibrahim Abdul Mutalib, T Murugesan, Zakaria Man, M Azmi Bustam and Amir Shafeeq	International Conference on Environment 2008 (ICENV 2008), 15 – 17 Dec 2008	USM, Penang
Degradation of Amine Based Absorbent Using Fenton's Oxidation	Putri N Faizura Megat Khamaruddin, Sabtanti Harimurti, Raihan Mahirah Ramli, Idzham F M Ariff and Binay K Dutta	International Conference on Environment 2008 (ICENV 2008), 15 – 17 Dec 2008	USM, Penang
Effeciency of Fenton's Oxidation for the Degradation of Diisopropanolamine by Continuous Addition of Reagents	Raihan Mahirah Ramli, Abdul Aziz Omar, Putri Faizura Megat Khamaruddin, Binay K Dutta, Idzham F M Ariff and Sabtanti Harimurti	International Conference on Environment 2008 (ICENV 2008), 15 – 17 Dec 2008	USM, Penang
Morphology and Glass Transition Temperature of Polyethersulfone Copolymer Modified Epoxy Resin	Z Man, M Azmi Bustam and J L Stanford	17th Electron Microscopy Society Malaysia Scientific Conference, 18 – 20 Dec 2008	Kuala Lumpur
Plant Cell Culture as a Source of Novel Drug: Centella Asiatica as a case study	M A Abdullah	2nd International Symposium Cum Training Course on Molecular Medicine and Drug Research (MMDR-2), 10 – 17 Jan 2009	Karachi, Pakistan
Synthesis and Charaterization of Bioactive-glass Ceramics	Saikat Maitra, Ariffin Rahaman, Ram Pyare, Hilmi Mukhtar and Binay K Dutta	33rd International Conference & Exposition on Advanced Ceramics & Composites, 18 – 23 Jan 2009	Florida, USA
Development of Qualification Algorithm for Control Valve Stiction	H Zabiri, A Maulud, N Omar and M Ramasamy	8th WSEAS International Conference on Signal Processing, Robotics & Automation (ISPRA'09), 21 – 23 Jan 2009	Cambridge, UK

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Production of Bio-Oil from Oil Palm's Empty Fruit Bunch via Pyrolsis	M T Azizan, S Yusup, F D Mohd Laziz and M M Ahmad	World Scientific & Engineering Academy and Society International (WSEAS), 24 – 26 Feb 2009	Cambridge, UK
Early Stage of a Postgraduate Research	Saiedi S and Kamarudin I	College Teaching & Learning Conference, 2 – 5 Jan 2008	Florida, USA
Flexural Behaviour Of Oil Palm Shell Concrete In Fully Precast And Semi-Precast Concrete Slabs	V J Kurian, Doh Shu Ing, Z Ideris, S P Narayanan and Lillian Gungat	3rd IMS Int. Conference on Application of Traditional and High Performance Materials in Harsh Environments, 23 – 24 Jan 2008	Sharjah
Influence of Operational Regime on Granular Sludge Grown in an Upflow Anaerobic Sludge Fixed Film Bioreactor'	A A L Zinatizadeh, S Rezaeinejad, H Bonakdari, M H Isa and H Younesi	IWA Biofilm Technologies Conference, 8 – 10 Jan 2008	Singapore
Working on Experimental Topics for Postgraduate Theses	Saiedi S	College Teaching & Learning Conference, 2 – 5 Jan 2008	Florida, USA
A Methodology for Multi-Agent Negotiation in Value Based Decision	Arazi Idrus	IT in Construction Conference, 3 – 14 Feb 2008	Surabaya, Indonesia
Treatment of Pharmaceutical Wastewater Using Biological Treatment Systems	W Herumurti, M H Isa and S R Kutty	National Postgraduate Conference, 31 Mar 2008	UTP
Assessment of Water Quality of Bertam River, Cameron Highlands	M Eisakhani, and A Malakahmad	National Postgraduate Conference, 31 Mar 2008	UTP
Multi-agent System for Negotiation Support on Construction Value-based Decision	Christiono Utomo, Arazi Idrus and Madzlan Napiah	National Postgraduate Conference, 31 Mar 2008	UTP
Prediction of Compressive Strength for Foamed Concrete Using Neural Network	Ridho Bayuaji and Muhd Fadhil B Nuruddin	National Postgraduate Conference, 31 Mar 2008	UTP
Evaluation of GPS Data Processing for Platform Network Simulation using Commercial Software	Nurrohmat Widjajanti and Abdul Nassir Matori	National Postgraduate Conference, 31 Mar 2008	UTP
Mirha High Strength Concrete: A Myth or Reality	S Beddu, M F Nuruddin and N Shafiq	National Postgraduate Conference, 31 Mar 2008	UTP
Effects of Varying Hydrodynamic Coefficients on the Behavior of TLP	M A Gasim and V J Kurian	National Postgraduate Conference, 31 Mar 2008	UTP
On-Time Performance and Service Regularity of Stage Buses in Mixed Traffic	Suwardo, M Napiah and I Kamaruddin	National Postgraduate Conference, 31 Mar 2008	UTP
Development of 70 MPa High Strength Fly Ash Concrete	Asma Abd Elhameed, Nasir Shafiq and Muhd Fadhil Nuruddin	National Postgraduate Conference, 31 Mar 2008	UTP
Effect of Wave Kinematics on the Response of Spar Platform	O A A Montasir and V J Kurian	National Postgraduate Conference, 31 Mar 2008	UTP
Characterizing Accuracy of DEM Derived from Close-Range Photogrammetric Data	B K Cahyono and A N Matori.	National Postgraduate Conference, 31 Mar 2008	UTP
The Application of RTK GPS for High Resolution Digital Terrain Model Data Collection Tool	Dedi Atunggal and Abd Nasir Matori	National Postgraduate Conference, 31 Mar 2008	UTP

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Efficiency of using CFRP Laminates to Improve Structural Behavior of R.C Elements under Cyclic Shear Loading	Louay mahmoud, N Shafiq, M Fadhil and Waleed Thanoon	National Postgraduate Conference, 31 Mar 2008	UTP
The Effects Of Burning Temperature and Percentage Inclusion of Microwave Incinerated Rice Husk Ash (Mirha) on Concrete Compressive Strength	N L Mohd Kamal, M F Nuruddin and N Shafiq	National Postgraduate Conference, 31 Mar 2008	UTP
Using SPOT 5 Imagery and GIS Technique for Assessment of Landslide Susceptibility Zones in Cameron Highlands	Abdul Basith and Abdul Nasir Matori	National Postgraduate Conference, 31 Mar 2008	UTP
A Review of Fuzzy Methods in Construction Project Risk Analysis	M Arif Rohman and Arazi Idrus	National Postgraduate Conference, 31 Mar 2008	UTP
An Application of Modified Anaerobic Baffled Reactor (ABR) to Treatment of High Strength Wastewater	A Malakahmad, N Ahmad Basri and S Md Zain	Asiawater 2008, 1 – 2 Apr 2008	Kuala Lumpur Convention Centre
Pollution Prevention and Water Quality Improvement of Bertam River, Cameron Highlands	M Eisakhani, A Malakahmad, A Pauzi, O Karim and S Idrus	Asiawater 2008, 1 – 2 Apr 2008	Kuala Lumpur Convention Centre
Photocatalytic Oxidation of Arsenic by Tartrate-Citrate and Citrate and Removal from Groundwater	Malay Chaudhuri and Ayan Majumder	Asiawater 2008, 1 – 2 Apr 2008	Kuala Lumpur Convention Centre
Antibiotics Wastewater Treatment	E S Elmolla and M Chaudhuri	Asiawater 2008, 1 – 2 Apr 2008	Kuala Lumpur Convention Centre
Ammonia Nitrogen Removal By Zeolite And Treated Oil Palm Fibre	Mohamed Hasnain Isa, Shamsul Rahman Mohamed Kutty and Chen Mun Kit	International Seminar on Civil and Infrastructure Engineering (ISCIE08), 11 – 12 Jun 2008	Shah Alam, Selangor
Embodiment of Airport Pavement Issue	E Ahyudanari, N Shafiq and I Kamaruddin	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Optimum Length of CFRP Plates for Flexural Strengthening of Beams made of Fly Ash Blended Cement Concrete	A A Elhameed, N Shafiq and M F Nuruddin	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Effects of Curing Temperature and Overlapping Length on the Pullout Tension Capacity of Epoxy Jointed Steel Plates	S N H Sulong and N Shafiq	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Interaction between CFRP Laminates and RC Elements subjected to Cyclic Shear Loading	L Mahmoud, N Shafiq, M F Nuruddin and Waleed Thanoon	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Static and Shear Performance of Self Compacting Concrete Containing PFA	A Kurniawan, N Shafiq and M F Nuruddin	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
The Influence of Burning Temperature and Percentage Inclusion of Microwave Incinerated Rice Husk Ash (MIRHA) on Normal Strength Concrete	N L M Kamal, M F Nuruddin and N Shafiq	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Automated Negotiation Protocol For Group Choice Decision on Selection of Building Systems Assemblies	C Utomo And A Idrus	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Automated Negotiation Protocol For Group Choice Decision on Selection of Building Systems Assemblies	C Utomo and A Idrus	International Conference on Civil Engineering, 12 – 15 May 2008	Kuantan, Pahang
Impacts of Environmental Factors on the Forces in an Offshore Platform	Saiedi M R, Saiedi S and Shafiqi N	Inaugural International Conference of the Engineering Mechanics Institute (EM08), 18 – 21 May 2008	University of Minnesota Minneapolis, Minnesota, USA
Role of Antecedent Rainfall in Slope Stability	Rahardjo H, Rezaur R B, and Leong E C	GEOTROPICA – 2008, 26 – 27 May 2008	Kuala Lumpur
Thickening of Municipal Sludge using Recycled Coagulant	A H A Hamid, M H Isa and S R Kutty	Asiawater 2008, 1 – 2 Apr 2008	Kuala Lumpur Convention Centre
An Application of Zero-Waste Anaerobic Baffled Reactor to Produce Biogas from Kitchen Waste	A Malakahmad, N Ahmad Basri and S Md Zain	Waste Management 2008, 2 – 4 Jun 2008	Granada, Spain
Dynamic Responses of Classic and Truss Spars Subjected to Random Waves	O A A Montasir, V J Kurian, S P Narayanan and M A W Mubarak	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Parametric Study of Environmental Load Impacts on a Jack-up Structure	Saiedi S and Aghdamy S	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Developing MIKE-11 Model for Water Quality Simulation in Bertam River,Cameron Highlands	Amirhossein Malakhamad, Mahdieh Eisakhani and Mohamed Hasnain Isa	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
GIS based Point and Non-point Sources of Pollution Identification in Cameron Highlands	Amirhossein Malakahmad, Mahdieh Eisakhani, Shamsul Rahman and B M Kutty	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Removal of Iron from Groundwater by Direct Filtration through Coal and Carbonaceous Shale	Malay Chaudhuri, Nasiman Sapari and Siti Farhana	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Treatment of Low Strength Pharmaceutical Wastewater using Upflow Anaerobic Sludge Blanket (UASB) Reactors	W Herumurti, S R M Kutty and M H Isa	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
The Effect of Particle size on the Strength of Kaolinite Soil Stabilized by Electrokinetic Method	M Napiah, I Kamaruddin and S B A Syed Osman	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Development of Percolating Sediment Trap for Urban Drainage	Nasiman Sapari, Malay Chaudhuri, Muhammad Sanif Maulut and Leong Ban San	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Pollutant Removal from Raw Leachate using Dissolved Air Flotation	M N Adlan and P Palaniandy	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
The Efficacy of Micronectidae as Biological Control of Mosquito in Urban Areas	Nasiman Sapari and Teh Sabariah Abd Manan	2nd International Conference on Advancement in Science and Technology 2008, 13 – 15 Jun 2008	UIAM, Selangor

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Element Optimisation Techniques to Manage Multiple Db Bridge Projects In East Malaysia	C T Ramanathan, S P Narayanan, and Taharin, M R	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Responses of Square and Triangular TLPs Subjected to Random Waves	M A Gasim, V J Kurian, S P Narayanan and V Kalaikumar	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Soil Parameters and Bearing Capacity Derived from Responses of Drilled Shaft Socketed into Rock	I S H Harahap and C W Wong	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Static Stability Analysis of the Largest Malaysian Sanitary Landfill	Hamed Saiedi, Saied Saiedi, Niraku Rosmawati and Ho Kum Hou	International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 2008), 26 – 27 May 2008	Kuala Lumpur
Seismic Stability Analysis of the largest Malaysian Sanitary Landfill	Hamed Saiedi, Saied Saiedi, Niraku Rosmawati and Ho Kum Hou	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Optimum Length of CFRP Plate for Flexural Strengthening of Beams made of Fly Ash Blended Cement Concrete	Asma Abd Elhameed, Nasir Shafiq and Muhd Fadhil Nuruddin	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Adsorption of Zinc, Cadmium and Nickel from Aqueous Solutions using Groundwater Sludge (GWS)	A R Jaafar, M H Isa and S R M Kutty	Ninth International Conference on Modelling, Monitoring and Management of Water Pollution, Jun 2008	Wessex Institute of Technology (WIT), UK and University of Alicante (UCA), Spain
Adsorption of Zinc using Rubber Seeds	M H Daud, A Malakahmad, M H Isa and S R M Kutty	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Adsorption of Zinc, Cadmium and Nickel from Aqueous Solutions using Groundwater Sludge (GWS)	A R Jaafar, M H Isa and S R M Kutty	Water Pollution 2008, 6 – 11 Jun 2008	Alicante, Spain
Life-Cycle Cost and Function Analysis in Value-Based Design Decision	A Idrus and C Utomo	1st International Symposium on Life-Cycle Civil Engineering, 11 – 14 Jun 2008	Varenna, Italy
Perception of Industrialized Building System (IBS) within the Malaysian Market	Arazi Idrus and Nicholas Foo Kwang Hui	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Towards Development of a Database for Civil and Structural Construction Works' Production Rates	Arazi Idrus, Kamaludin Hashim and Ahmed Mohamed Farah	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Frequency Domain Dynamic Analysis of Truss Spar Platforms	V J Kurian, B S Wong and O A A Montasir	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Durability Properties of Structural Lightweight Concrete made from Oil Palm Shell	D C L. Teo, M A Mannan and V J Kurian	ASEC 2008, 26 – 27 Jun 2008	Melbourne
Parametric Studies on the Behaviour of TLP under Regular and Random Waves	V J Kurian, M A Gasim, S P Narayanan and V Kalaikumar	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Adsoption of Zinc, Cadmium and Nickel from Aqueous Solutions using Ground Water Sludge (GWS)	A R Jaafar, M H Isa and S R M Kutty	International Conference on Waste Engineering & Management, 28 – 30 May 2008	Hong Kong

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Removal of Colour from Textile Wastewater Using Oil Palm Ash	J Yap, M H Isa and S R M Kutty	International Conference on Waste Engineering and Management (ICWEM), 28 – 31 May 2008	Hong Kong
Removal of Chromium (VI) from Aqueous Solution using Oil Palm Ash	Mohamed Hasnain Isa, Shamsul Rahman Mohamed Kutty, Amirhossein Malakahmad and Chong Yew Fei	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Seismic Retrofit of Elevated Steel Water Tanks	Narayanan Sambu Potty and Savitha Nambissan	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Practical Modelling Aspects for Analysis of Shear Walls Using Finite Element Method	Narayanan Sambu Potty, Waleed A Thanoon, Helmi Hariri and Abdelrahim Musa	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Performance of a Locally Produced Viscosity Modifying Admixtures in the Manufacture of Self-Compacting Concrete	V R Macam Jr and K C Yong	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
An Application of Zero-Waste Anaerobic Baffled Reactor to Produce Biogas from Kitchen Waste	A Malakahmad, N Ahmad Basri and S Md Zain	Waste Management 2008, 2 – 4 Jun 2008	Granada, Spain
Developing MIKE-11 Model for Water Quality Simulation in Bertam River,Cameron Highlands	Amirhossein Malakhamad, Mahdieh Eisakhani and Mohamed Hasnain Isa	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Monitoring and Modeling of Slope Response to Climate Changes	Rahardjo, H Rezaur, R B Leong, E C Alonso, E E Lloret A and Gens A	10th International Symposium on Landslides and Engineered Slopes, 30 Jun – 4 Jul 2008	Xian, China
GIS based Point and Non-point Sources of Pollution Identification in Cameron Highlands	Amirhossein Malakahmad, Mahdieh Eisakhani, Shamsul Rahman and B M Kutty	International Conference on Construction and Building Technology, 16 – 20 Jun 2008	Kuala Lumpur
Microwave Incinerated Rice Husk Ash (MIRHA) Concrete: A New Material in the Construction Industry	M F Nuruddin, N Shafiq, and N L M Kamal	UK– Malaysia Engineering Conference 2008, 14 – 15 Jul 2008	University College London
Behaviour of Oil Palm Shell (OPS) Hybrid Concrete Flooring Slab Under Lifting and Transporting Load	Ng C H, Ideris Z S P, Mannan M A, Kurian V J and Narayanan S P	7th International Congress: Concrete-Constructions Sustainable Option, 8 – 10 Jul 2008	Dundee, Scotland
A Review of Industrialised Concrete Floor Systems in Europe and Malaysia	Arazi Idrus and Christiono Utomo	UK-Malaysia Engineering Conference 2008, 14 – 15 Jul 2008	University College London
Interaction between CFRP Side Plated to R.C. Beams and Concrete under Shear Action	Louay M, N Shafiq, M F Nuruddin and W A Thanoon	American Society for Composites 23rd Annual Technical Conference, 28 – 29 Aug 2008	Singapore
Potential Use of GPS Data for Offshore Platform Monitoring Utilizing Scientific Software	Nurrohmat Widjajanti and Abdul Nasir Matori	7th International Conference and Exhibition on Geographical Information Technology and Application, 18 – 20 Aug 2008	Kuala Lumpur
Interfacial Behaviour of Side Plated CFRP-to-Concrete Joints under Cyclic Shear Loading	Louay M, N Shafiq, M F Nuruddin and W A Thanoon	5th International Specialty Conference on Fibre Reinforced Materials, 9 – 11 Sept 2008	Memphis, USA

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Quality Assessment of DTM Generated from RTK GPS Data on Area with Various Sky Views	Abdul Nasir Matori, Dedi Atunggal S P and B K Cahyono	21st International Technical Meeting of the Satellite Division of the Institute of Navigation, 16 – 19 Sept 2008	Savannah International Convention Center
Electroosmotic Method in Stabilizing Kaolinite Soil	M B Napiah, I Kamaruddin and S B A Syed Osman	8th International Congress on Advances in Civil Engineering (ACE2008), 15 – 17 Sept 2008	Famagusta, North Cyprus
Landslide Detection on Slope Area by Using Close-Range Photogrammetric Data	Abdul Nasir Matori, Bambang Kun Cahyono, Abdul Basith and Dedi Atunggal	ASIA Geographic Information System International Conference 2008, 26 – 27 Sept 2008	Busan, Korea
Differential Precise Positioning By Using Low Cost GPS Receiver	Nurrohmat Widjajanti, Dedi Atunggal S P and A Nasir Matori	7th International Symposium and Exhibition on Goinformation ISG08, 13 – 15 Oct 2008	PWTC, Kuala Lumpur
Correlation of Sampling Methods and Quality in Slope Modeling by Using Close-Range Photogrammetric Data	Bambang Kun Cahyono, Abdul Nasir Matori, Dedi Atunggal and Abdul Basith	7th International Symposium and Exhibition on Goinformation ISG08, 13 – 15 Oct 2008	PWTC, Kuala Lumpur
Calibration of Reflectorless Total Station for Various Material Targets	B K Cahyono, N Widjajanti, M Asri Zahid and A N Matori	7th International Symposium and Exhibition on Goinformation ISG08, 13 – 15 Oct 2008	PWTC, Kuala Lumpur
The Efficacy of Micronectidae as Biological Control of Mosquito in Urban Areas	Nasiman Sapari and Teh sabariah Abd Manan	The 2nd International Conference on Dengue and Dengue Haemorrhasic Fever, 15 – 17 Oct 2008	Thailand
Multi-agent System on Collaborative Negotiation for Value-Based Design Decision	C Utomo and A Idrus	12th International Conference on Computing in Civil and Building Engineering, 17 – 19 Oct 2008	Tsinhua University, Beijing, China
Applicability of Computer Tools in Malaysia's Construction Industry	A Idrus, C Utomo and Ikmal Hisyam Mubarak	International Conference on Project Management, 18 – 20 Nov 2008	Kuala Lumpur
Fuzzy Logic Application to Estimate Risk Contigency Allocation in Construction Projects	M Arif Rohman, Arazi Idrus and Muhd Fadhil Nuruddin	International Conference on Project Management, 18 – 20 Nov 2008	Kuala Lumpur
Bayesian Inversion of Proof Pile Test: Monte Carlo Simulation Approach	Indra sati Hamonangan Harahap and Wilson Paul Nanak	2nd International Conference on Science and Technology (ICSTIE2008), 12 – 13 Dec 2008	UiTM, Penang
Frequency and Time Domain Analyses For TLP Responses	V J Kurian, M A Gasim and S P Narayanan	2nd International Conference on Science and Technology (ICSTIE2008), 12 – 13 Dec 2008	UiTM, Penang
Lateral Load Responses of Piles using Model Tests and Software,	V J Kurian and C H Ng	2nd International Conference on Science and Technology (ICSTIE2008), 12 – 13 Dec 2008	UiTM, Penang
Solidification/Stabilization of Waste Activated Sludge from Petroleum Refinery	Fakhrur Radzi bin Mohd Omar, Mohamed Hasnain Isa, Shamsul Rahman Mohamed Kutty, Amirhossein Malakahmad and Mohd Nordin Adlan	International Conference on Environment 2008 (ICENY 2008), 15 – 17 Dec 2008	Penang
Water Quality Assessment of Bertam River and Its Tributaries in Cameron Highlands, Malaysia	Amirhossein, Malakahmad, Mahdieh Eisakhani, Shamsul Rahman Mohamed Kutty and Mohamed hasnain Isa	International Conference on Environment 2008 (ICENY 2008), 15 – 17 Dec 2008	Penang

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Assessing MIKE-11 Model for Bod and COD Transport in Bertam River, Cameron Highlands	Amirhossein Malakahmad, Mahdieh Eisakhani, Shamsul Rahman Mohamed Kutty and Mohamed Hasnain Isa	2nd International Conference on Science and Technology (ICSTIE2008), 12 – 13 Dec 2008	UiTM, Penang
Improvement of Biodegradability of Antibiotics Wastewater by Photo Fenton Process	Emad Elmolla and Malay Chaudhuri	International Conference on Environment 2008 (ICENV 2008), 15 – 17 Dec 2008	Penang
Overview on the Development of Anaerobic Digestion for Municipal Solid Waste in Malaysia	Amirhossein Malakahmad, Shamsul Rahman Mohamed Kutty and Mohamed Hasnain Isa	International Conference 2008 –Sustainable Environmental Technology and Sanitation for Tropical Region, 18 – 19 Nov 2008	Surabaya, Indonesia.
Prioritizing the Pipeline Maintenance Approach Using Analytical Hierarchy Process	N Shafiq, M F Nuruddin, A Sadiq, and Silvianita	4th Asian Pipeline Conference, 19 – 20 Nov 2008	Kuala Lumpur
Bond Strength Characteristics of Self Compacting Concrete Containing Fly Ash	N Shafiq, M F Nuruddin and A Kurniawan	ICBEDC-2008, 2 – 4 Dec 2008	USM, Penang
Development Of Construction Project Cost Contingency Model Using Fuzzy Expert System	M Arif Rohman, Arazi Idrus and Muhd Fadhil Nuruddin	International Conference on Science, Technology and Engineering, 12 – 13 Dec 2008	Penang
Decay of Ammonia Nitrogen and Coliforms from Sewage Treatment Plant in Receiving Streams	Nurul Atyqah Anis, Shamsul Rahman Mohamed Kutty and Mohamed Hasnain Isa	International Conference on Environment (ICENV 2008), 15 – 17 Dec 2008	Penang
Negotiation Support For Life Cycle Analysis In Value-Based Design Decision	Arazi Idrus and Christiono Utomo	World Engineers Convention 2008, 2 – 6 Dec 2008	Brasilia, Brazil
Computer Tools Utilisation in the Malaysian Construction Industry	Arazi Idrus, Mohd F Khamidi, Ikmal Hisyam and Christiono Utomo	2nd International Conference on Built Environment in Developing Countries. 3 – 4 Dec 2008	USM, Penang
Review on Motorization and Use of Public Transport in Perak, Malaysia: Realities and Challenges	Suwardo, Madzlan Napiah and Ibrahim Kamarudin	ICBEDC-2008, 2 – 4 Dec 2008	USM, Penang
Application of SPOT5 Satellite Image and GIS for Updating Road Network Map: Towards Building Landslide Spatial Database	Abdul Basith, Bambang Kun Cahyono and Abdul Nasir Matori	2nd International Conference on Built Environment in Developing Countries 2008, 3 – 4 Dec 2008	USM, Penang
Urban Heritage Conservation through Redevelopment Strategies: A Case Study of Kuala Lumpur	Noor Amila W Abdullah Zawawi and Alias Abdullah	5th International Conference of the Center for the Study of Architecture in the Arab Region (CSAAR 2008B), 3 – 4 Nov 2008	Amman, Jordan
Lateral Load Responses of Piles Using Model Test and Software	Kurian V John, Ng Chee Hiong and C Ganapathy	10th International Conference on Concrete Engineering and Technology 2009, 2 – 4 Mar 2009	UiTM, Shah Alam
Methodolgy for Multi-Criteria Group Decision and Negotiation Support on Value Based Decision	Christiono Utomo, Arazi Idrus and Madzlan Napiah	International Conference on Advanced Computer Control, 22 – 24 Jan 2009	Singapore
Effects of MIRHA on the Interfacial Bond Strength	M F Nuruddin, N.Shafiq and N L M Kamal	10th International Conference on Concrete Engineering and Technology 2009, 2 – 4 Mar 2009	UiTM, Shah Alam

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Effects of Used Engine Oil on Load-Deflection Characteristics of OPC and OPC/Fly Ash Concrete Beams	Nasir Shafiq, Fadhil Nuruddin and Chin Siew Choo	10th International Conference on Concrete Engineering and Technology 2009, 2 – 4 Mar 2009	UiTM, Shah Alam
Aggregation and Coalition Formation on Value-based Decision	Christiono Utomo, Arazi Idrus, Madzlan Napiah and Mohd Faris Khamidi	IEEE Symposium Series on Computational Intelligence 2009, 30 Mar – 2 Apr 2009	USA
High Strength Concrete Filled Square and Circular Steel Tubes Under Axial Load	Narayanan Sambu Potty, Aznan Ismail and Kurian V John	10th International Conference on Concrete Engineering and Technology 2009, 2 – 4 Mar 2009	UiTM, Shah Alam
Agreement Options on Multi Criteria Group Decision and Negotiation	Christiono Utomo, Arazi Idrus, Madzlan Napiah and Mohd Faris Khamidi	World Congress on Science, Engineering and Technology, 25 – 27 Feb 2009	Penang
Response of an RC Tall Building to Wind Loadings; A Malaysian Case Study	Pouria Behnam-Manesh, Nabilah Abu Bakar, Goh Choon Kaii and Saied Saiedi	10th International Conference on Concrete Engineering and Technology 2009, 2 – 4 Mar 2009	UiTM, Shah Alam
Parametric Studies of Triangular TLP	V J Kurian, M A Gasim and S P Narayanan	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08), 18 – 19 Dec 2008	Kuching, Sarawak
Behaviour of Piles Subjected to Lateral Load	V J Kurian and C H Ng	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08), 18 – 19 Dec 2008	Kuching, Sarawak
Prediction of Compressive Strength of Coldformed Steel Columns,	N J W Natasya, S P Narayanan and V J Kurian	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08), 18 – 19 Dec 2008	Kuching, Sarawak
Performance Study on Disolved Air Flotation Pilot Plant to Treat Highly Turbid Water From a Newly Constructed Dam at Ulu Kinta	Mohd Nordin Adlan, Mohd Yusof Mohd Isa and Nasiman Sapari	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08), 18 – 19 Dec 2008	Kuching, Sarawak
Fatigue Life Prediction of Concrete Beam Using Impact-Echo Method	Victor R Macam Jr, Tan Char Ai and Abdul Rahim B Mohd Noor	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08) 18 – 19 Dec 2008	Kuching, Sarawak
Zinc-Oxide Mediated Solar Photocatalytic Degradation of Textile Dyes and Treatment of Textile Dye Waste	Malay Chaudhuri and Tang Kuan Pui	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON2008), 18 – 19 Dec 2008	Kuching, Sarawak
The Influence of Rising Groundwater on Slope Stability and Engineering Properties of Soil	Nasiman Sapari, Indra Sati Hamonangan Harahap and Mohd Nordin Adlan	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08) 18 – 19 Dec 2008	Kuching, Sarawak
Development of Database for Construction Works' Production Rates	Ahmed Farah and A Idrus	Biannual Postgraduate Research Symposium 2008, 26 – 29 May 2008	UTP
Risk Contingency Allocation for Construction Project using Fuzzy Expert System	M A Rohman and A Idrus	Biannual Postgraduate Research Symposium 2008, 26 – 29 May 2008	UTP

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Negotiation Support for Construction Value-Based Decision	C Utomo and A Idrus	Biannual Postgraduate Research Symposium 2008, 26 – 29 May 2008	UTP
Using an Enhanced Antenna Positioning System for Performance Analysis of MANET	J A Guama and N M Saad	IEEE 4th International Colloquium on Signal Processing & Its Applications, 7 – 9 Mar 2008	Kuala Lumpur
A Practical Approach For Human Motion Understanding	Altahir Abdalla, Vijanth S Asirvadam and Patrick Sebastian	IEEE 4th International Colloquium on Signal Processing & Its Applications, 7 – 9 Mar 2008	Kuala Lumpur
Lifting-Based VLSI Architectures for Two Dimensional Discrete Wavelet Transform for Effective Image Compression	AP Dr Herman Agustiawan	International MultiConference of Engineers and Computer Scientists (IMECS2008), 19 – 21 Mar 2008	Hong Kong
The Role of Al203 Buffer Layer in the Grpwth of Aligned Carbon Nanotubes (CNTs)	AP Dr Norani Muti Mohamed	Conference on Frontier in Material Science & Technology, 26 – 28 Mar 2008	Australia
Multivariable Model Predictive Control with Bumpless Transfer for Gaseous Pilot Plant Control	Tri Chandra S.Wibowo, Nordin Saad and Mohd Noh Karsiti	International Conference on Plant Equipment and Reliability (ICPER 2008), 27 – 28 Mar 2008	Kuala Lumpur
Problem-Based Learning in the Teaching and Learning of Calculus	Azizan bt Zainal Abidin	The 3rd National Conference On Graphing Calculators (NCGC 2008), 16 – 18 Apr 2008	Kuala Lumpur
Free Convection Flow between Two Vertical Parallel Plates with Variable Temperature at One Boundry	Narahari Marneni	International Conference on Mechanical & Manufacturing Engineering (ICME2008), 2 – 23 Apr 2008	United Kingdom
The Taguchi Neural Networks Approach to Forecast Electricty Consumption	Mohd Fakhizan b Romlie	Conference on Electrical & Computer Engineering 2008 (CCECE 2008), 4 – 7 May 2008	Canada
Knowledge Extraction from Human Motion	Dr Vijanth Sagayan, Patrick Sebastian and Altahir Abdalla	International Conference on Computer and Communication Engineering 2009, 9 – 11 May 2008	Kuala Lumpur
Graceful Number And Harmonious Number of A Graph	Assoc Prof Dr Guruswamy Sethuraman	21st Cumberlan Conference on Com-binatorics, Graph Theory & Computing, 15 – 17 May 2008	USA
Application of Modified Covariance Algorithm in State Estimation	Nursyarizal Mohd Nor	6th International Conference on Electrical Engineering, 27 – 29 May 2008	Egypt
Design of A Solar Power System for an Offshore Platform	Perumal a/l Nallagownden	6th International Conference on Electrical Engineering, 27 – 29 May 2008	Egypt
The Effect of Colour Space on Tracking Robustness	Patrick Sebastian	IEEE Conference on Industrial Electronics & Applications (ICIEA2008), 3 – 5 Jun 2008	Singapore
Evaluating the Effects of the Dual Tree Complex Wavelet Transform & the Adpative Rood Pattern Search Algorithm On a Video Codec	Dr Yap Vooi Voon	IEEE Conference on Industrial Electronics & Applications (ICIEA2008), 3 – 5 Jun 2008	Singapore
ARMA versus AR in Short Term Load Forecast	Zuhairi Hj Baharudin	2nd International Power Engineering and Optimization Conference (PEOCO08), 4 – 5 Jun 2008	UiTM, Shah Alam

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Use of AR Block Processing for Estimating the State Variables of Power System	Nursyarizal Mohd Nor	2nd International Power Engineering and Optimization Conference (PEOCO08), 4 – 5 Jun 2008	UiTM, Shah Alam
Power Flow Solution Using Impedance Parameters	Prof Dr Ramiah Jegatheesan	2nd International Power Engineering and Optimization Conference (PEOCO08), 4 – 5 Jun 2008	UiTM, Shah Alam
Piecewise Power Flow Solution Using Impedance Parameters	Prof Dr Ramiah Jegatheesan	2nd International Power Engineering and Optimization Conference (PEOCO08), 4 – 5 Jun 2008	UiTM, Shah Alam
Design Optimization of 3-Pharase Rectifier Power Transformers by Genetic Algorithm & Simulated Annealing	Assoc. Prof. Dr K S Rama Rao	2nd International Power Engineering and Optimization Conference (PEOCO08), 4 – 5 Jun 2008	UiTM, Shah Alam
Photovoltaic System Software for Residential Sector	Dr A'fza bt Shafie	International Conference on Contruction and Building Technology (ICCBT 2008), 16 – 20 Jun 2008	Kuala Lumpur
Study of Gas Sensing Mechanism Using Carbon Nanotubes Film	Assoc Prof Dr Norani Muti Mohamed and Hendrayana Thaha	International Conference on Functional Material & Device, 16 – 19 Jun 2008	UiTM, Shah Alam
Autoregressive Models in Short Term Load Forecast : A Comparison of AR and ARMA	Zuhairi Hj Baharudin	The 28th Annual International Symposium on Forecasting (ISF2008), 22 – 25 Jun 2008	France
A Comparative Study of Imputation Methods to Predict Missing Attribute Value in Coronary Heart Disease Data Set	Prof Dr P A Venkatachalam, Prof Dr Ir Ahmad Fadzil Hani and Noor Akhmad Setiawan	4th International Conference on Biomedical Engineering, 26 – 28 Jun 2008	Kuala Lumpur
Detremination of Retinal Pigments from Fundus Images Using Independent Component Analysis	Prof Dr P A Venkatachalam, Prof Dr Ir Ahmad Fadzil Hani, Lila Iznita Izhar and Hanung Adi Nugroho	4th International Conference on Biomedical Engineering, 26 – 28 Jun 2008	Kuala Lumpur
Transient Free Convention Flow Between Two Long Vertical Parallel Plates with Constant Temperature and Mass Diffusion	Dr Narahari Marneni	The 2008 International Conference on Mechanical Engineering (ICME_38)/ World Congress on Engineering 2008, 2 – 4 Jul 2008	London, UK
Synthesis and Characterization of Single Crystals Y3Fe5012 and Bi3Fe5012 via Sol Gel Technique	AP Dr Noorhana Yahaya	4th International Conference on Diffusion in Solids and Liquids (DSL2008), 9 – 11 Jul 2008	Barcelona, Spain
Computer Simulation of an Inductive Coupled High Frequency Resonant Gate Driver Circuit	Nor Zaihar Yahaya, Dr Mumtaj Begam and AP Dr Mohammad Awan	IEEE International Conference in Industrial Informatics (INDIN2008), 13 – 16 Jun 2008	Daejeon, South Korean
Carbon Nanotubes Gas Sensor	AP Dr Norani Muti Mohamed and Hendrayana Thaha	United Kingdom-Malaysia Engineering Conference (UKMEC2008), 14 – 16 Jun 2008	London, UK
Performance Analysis of Routing Protocols for Wireless Sensor Networks	Dr Lee Sheng Chyan, S M Ali and A Awang	United Kingdom-Malaysia Engineering Conference (UK::MEC2008), 14 – 16 Jun 2008	London, UK
Segmentation in Low Contrast Images	Lila Iznita Izhar, Prof Ir Dr Ahmad Fadzil M Hani, Prof Dr P A Venkatachalam, Hanung Hermawan	United Kingdom-Malaysia Engineering Conference (UK::MEC2008), 14 – 16 Jun 2008	London, UK
Wireless Electric Concept for Electrical Appliances	Hanita Daud, Mohd Fadzzrul Jusoh and AP Dr Noorhana	United Kingdom-Malaysia Engineering Conference (UK::MEC2008), 17 – 16 Jun 2008	London, UK

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Supervising the Undergraduate Engineering Team Project – Sharing of Experience	Azizan Zainal Abidin	International Network for Engineering Education (ICEE2008), 26 Jul – 1 Aug 2008	Pecs, Hungary
A Novel Front-End Noise Power and SNR Estimation Using Wavelet-Packets in OFDM Systems	Rana Shahid Mazoor, Dr Varun Jeoti, Nidal Kamel and Muhammad Asif	International Conference on Wireless Information Networks and Systems. 26 – 29 Jul 2008	Porto, Portugal
GSM Based Online Reservation & Notification System for Restaurant	Nurul Iman Zairul, Azizuddin Abd Aziz and Hanita Daud	The 8th WSEAS International Conference on Applied Informatics & Communication (AIC'08), 19 – 22 Aug 2008	Rhodes Island, Greece
Objective Assessment of Psoriasis Erythema for PASI Scoring	Prof Ir Dr Ahmad Fadzil M Hani, Dani Ihtatho, Azura M Affandi and S H Hussein	30th Annual International Conference of The IEEE Engineering in Medicine & Biology Society (EMBC2008), 20 – 24 Aug 2008	Vancouver, Canada
A Generalized Subspace Approach for Estimating Visual Estimating Visual Evoked Potentials	Nidal Kamel and Mohd Zuki Yusoff	30th Annual International Conference of The IEEE Engineering in Medicine & Biology Society (EMBC2008), 20 – 24 Aug 2008	Vancouver, Canada
Single-Trial Extraction of Visual Evoked Potentials from The Brain	Mohd Zuki Yusoff, Dr Nidal Kamel and Prof Ir Dr Ahmad Fadzil M Hani	16th European Signal Processing Conference (EUSIPCO2008), 25 – 29 Aug 2008	Lausanne, Switzerland
Developing Variable Ballast Mechanism for Depth Positioning of Spherical URV	Bambang Sumantri, AP Dr M Noh Karsiti and AP Dr Herman	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
Online Islamic Medication Expert Systems (OIMES)	Hanita Daud, Low Tang Jung and Rohaiza Ahmad	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
Neural Networks Applied for Fault Diagnosis of AC Motors	AP K S Rama Rao and Muhd Ariff Yahya	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
An Initial Framework for Predictive End-User Application Trigger	Shu Hui Tee, Dr Lee Sheng Chyan, Simon Hoh, Chin Chin Wong and Han Lun Tan	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
Modelling A Prototype of a Robotic Lawn Mower	Timothy Thien Ching Kae and Dr Taj Mohammad Baloch	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
Chaos Based Constellation Scrambling in OFDM Systems: Security & Interleaving Issues	Muhammad Asif Khan, Mohammad Asim, Dr Varun Jeoti and Rana Shahid Manzoor	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
A Novel Noise Power and SNR Estimation in WIMAX Systems	Rana Shahid, Dr Varun Jeoti, Nidal Kamel and Muhammad Asif	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
Modeling Psoriasis Lesion Colour for PASI Erythema Scoring	Prof Ir Dr Ahmad Fadzil M Hani and Dani Ihtatho	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
Efficient Code Construction of Regular (3,k) LDPC Codes	Silvia Anggraeni and Dr Varun Jeoti	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Neural Network for The Best Wavelet Selection on Colour Image Compression	Etik Irijanti and Dr Yap Vooi Voon	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
A Prediction of OIL Demand in Malaysia Using Time Series Modeling Approach	Iwan Awaludin, Assoc Prof Dr Nordin Saad and Assoc Prof Dr Herman Agustiawan	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
Adaptive Regularizer for Resursive Neural Network Training Algorithms	Dr Vijanth S Asirvadam	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
Evaluations of Fuzzy-Logic-Based Self Tuning PI Controller and Fuzzy-Sched-uled PID Controller for DC Servomotor	Oyas Wahyunggoro and Assoc Prof Dr Nordin Saad	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
A Simulation of PLC-Based Self-Tuning PI-Fuzzy Logic Controller for DC Motor	Muhammad Arrofiq and Assoc Prof Dr Nordin Saad	International Symposium on Information Technology (ITsim2008), 26 – 29 Aug 2008	Kuala Lumpur
Newton-Raphson State Estimation Solution Employing Systematically Construted Jacobian Matrix	Nursyarizal Mohd Nor and Prof Dr Ramiah Jegatheesan	International Conference in Computer Electrical & System Science Engineering (CESSE2008), 30 Aug – 1 Sept 2008	Singapore
Starting of a Free-Piston Linear Engine Generator by Mechanical Resonance and Rectangular Current Commutation	Saiful Azrin, AP Dr Mohd Noh Karsiti and A Rashid A Aziz	IEEE Vehicle Power and Propulsion Conference (VPPC2008), 3 – 5 Sept 2008	Harbin, China
Oil Demand Predicition in Malaysia Using Polynomial Regression Approaches	Iwan Awaludin and Assoc Prof Dr Herman Agustiawan	International Conference on Harnessing Technology (ICHT2008), 12 – 13 Oct 2008	Oman
An Alternative More Comprehensive Assessment Method of Physics Practical	Dr Hasnah M Zaid and Dr Balbir Singh Mahinder Singh	7th Annual ASEE Global Colloquim on Engineering Education, 19 – 23 Oct 2008	Capetown, South Africa
Path Planning Automated Guided Robot	Mohd Azlan Shah and Illani Mohd Nawi	World Congress on Engineering & Computer Sciences (WCECS2008), 22 – 24 Oct 2008	California, USA
Preparation and Physical and Electrical Characterisation of Novel Carbon Nanotube Microelectrodes	Assoc Prof Dr Noorhana Yahya, George Zhen Chen, Graeme and Andrew Snno	National Conference on Design & Concurrent Engineering (Decon2008), 27 – 29 Oct 2008	Melaka
Switching Loss Analysis of a Diode-Clamped Resonant Gate Driver Network	Nor Zaihar Yahaya, Dr Mumtaj Begam and AP Dr Mohammad Awan	Seminar on Science and Technology 29 – 30 Oct 2008	Labuan
Autoreclosure in Extra High Voltage Lines Using Taguchi's Method and Optimized Neural Networks	K S Rama Rao and Desta Zahlay F	International Conference on Computer Engineering & Technology (ICCET2009), 22 – 24 Jan 2009	Singapore
Condition Monitoring of Rolling Element Bearings Using Acoustic Emission Techniques	Mohammad Awan, Nordin Saad and M A A Elmaleeh	International Conference on Industrial Technology (IEEE-ICIT-09), 10 – 13 Feb 2009	Australia
Classification of Control Measures for Asthma Using Artificial Neural Network	Noor Hazrin Hany, Hanita Daud, Wong Hui Lan and Jale Ahmad	Artificial Intelligence Application (AIA2008), 16 – 18 Feb 2009	Austria
Effect of Atmospheric Turbulence on Acquisition Time of Ground to Deep Space Optical Communication System	V K Jain, Hemani Kaushal and Subrat Kar	International Conference on Communication Technology (ICCT2009), 25 – 27 Feb 2009	Penang

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Capacitive Air Bubble Detector Operated at Different Frequencies for Application in Hemodialysis	John Ojur Dennis, Abdallah B A and Mawahib Gafare A A	International Conference on Electronic and Electrical Engineering (ICEEE2009), 25 – 27 Feb 2009	Penang
Wireless Sensor Network: Delay guarantee and Energy Efficient MAC Protocols	Yap Vooi Voon, Marwan Ihsan Shukur and Lee Sheng Chyan	World Congress on Science, Engineering and Technology (WCSET2009), 25 – 27 Feb 2009	Penang
Curvelet Transform to Detect Breast Cancer in Digital Mammogram	Ibrahima FAYE, Brahim Belhaouari Samir and Mohamed Meselhy	5th International Colloquium on Signal Processing & Its Application (CSPA2009), 6 – 8 Mar 2009	Shah Alam, Selangor
A Heuristic Approach for Tuning Model Predictive Controller	Nordin Saad, Mohd Noh Karsiti and Tri Chandra	5th International Colloquium on Signal Processing & Its Application (CSPA2009), 6 – 8 Mar 2009	Shah Alam, Selangor
Wireless System Identification for Linear Network	Vijanth S Asirvadam and Musab J O Elamin	5th International Colloquium on Signal Processing & Its Application (CSPA2009), 6 – 8 Mar 2009	Shah Alam, Selangor
High Throughput Routing Algorithm Metric for OLSR Routing Protocol in Wireless Mesh Networks	Nidal Kamel, Azlan Awang and Mohamed ELshaikh	5th International Colloquium on Signal Processing & Its Application (CSPA2009), 6 – 8 Mar 2009	Shah Alam, Selangor
Tracking Consistency Metric for Video Surveillance Tracking	Patrick Sebatian and Yap Vooi Voon	International Conference on Digital Image Processing (ICDIP2009), 7 – 9 Mar 2009	Bangkok, Thailand
Synthesis, Structural and Morpho-logical Properties of Niobium Doped Nomaterial, Li2Ni1.95Nb0.05(Mo04)3 for Lithium Batteries	Mumtaj Begam, Nor Zaihar, M Lalitha and V Bhanumathy	1st International Conference on Multifunctional, Hybrid & Nanomaterials (HYMA2009), 15 – 19 Mar 2009	Tours, France
The Status of Women in Engineering Education – a Malaysian Experience	Azizan Zainal Abidin	International Symposium on Advanced Engineering (ISAE2009), 19 – 21 Mar 2009	Busan, South Korea
Sandwich Growth of Carbon Nanotubes (CNTs) using Thermal Chemical Vapor Deposition Method	N M Mohamed, Mumtaj BegaK M Begam and M K Lai	Nano Insight Conference 2009, 29 Mar – 2 Apr 2009	Barcelona, Spain
Analysis of Overpressure Characters and Implication to Hydrocarbon Accummulations in West Baram Delta	Wan Ismail Wan Yusoff	Overpressure 2008: Present and Future Challenges – A Research Conference, 6 – 9 Apr 2008	Durham, UK
Utilizing Acidized NH2 for Mitigating Formation Damage and Improving Oil Recovery: Case Study of Penara Field, Malaysia	N A M Agil, I M Saaid, J Ibrahim and M F Harun	SPE Improved Oil Recovery Symposium, 19 – 23 Apr 2008	Tulsa, Oklahoma
Geological Interests along the East-West Highway, segment W7 Baling-Kulim and Gerik-Baling new road	Yuniarti Ulfa and Zuhar Zahir Tn Harith	National Geoscience Conference, 1 – 3 Jun 2008	Ipoh, Perak
The Geological Outcrop Site Conservation in Miri, Sarawak	Yuniarti Ulfa and Zuhar Zahir Tn Harith	National Geoscience Conference, 1 – 3 Jun 2008	Ipoh, Perak
Scientific Value of the Limestone hills of the Kinta Valley	Askury A Kadir, B J Pierson, Zuhar Z T Harith and Chow Weng Sum	National Geoscience Conference, 1 – 3 Jun 2008	Ipoh, Perak
Shrinkage Limit in Soil Properties: A Forgotten Parameter	Askury A Kadir	National Geoscience Conference, 1 – 3 Jun 2008	Ipoh, Perak

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Definition and Distribution of the Bab Sequence: The Last Upper Aptian Shu'aiba sequence in the Bab Basin	Pierson, B J, G Eberli, K Al-Mehsin, S Al-Menhali, G Warrlich, F Maurer, H Droste, J Whitworth and D Drysdale	70th EAGE Conference, 9 – 12 Jun 2009	Rome, Italy
Regional Depositional History and Stratigraphy of the Shu'aiba Formation in the Middle East	Droste H and B Pierson	70th EAGE Conference, 9 – 12 Jun 2009	Rome, Italy
Stratigraphic Framework for the Aptian Shuaiba Formation in the Middle East – An Integrated Approach	Van Buchem, F B J Pierson, H Droste, G Eberli, C Strohmenger, G Warrlich, F Maurer, K Al-Mehsin, A Crossley, G Bloch, V Vahrenkamp, M Al-Mahrooqi and M Al-Kaabi.	70th EAGE Conference, 9 – 12 Jun 2009	Rome, Italy
Mathematical Workflow Incorporating PVT/Mass Transfer Rate Models for Subsurface data Determination	Hon Vai Yee, Suzalina Zainal, Jamil Jelani and Dr Ismail Saaid	11th European Conference on the Mathematics of Oil Recovery (ECMOR), 8 – 11 Sept 2008	Bergen, Norway
A Novel PVT Model Incorporating Mass Transfer Rate for Subsurface Data Determination	Hon Vai Yee, Suzalina Zainal, Jamil Jelani and Dr Ismail Saaid	2008 SPE Eastern Regional/AAPG Eastern Section Joint Meeting, 11 – 15 Oct 2008	Pennsylvania, USA
Miscible CO2 Injection: Sensitivity to Fluid Properties	Nurul Azrin Amiruddin and Faiza M Nasir	2008 SPE Asia Pacific Oil and Gas Conference and Exhibition, 20 –22 Oct 2008	Perth, Australia
Measurement of Gas Diffusivity for Petroleum Industry Applications	Suzalina Zainal and Ismail M Saaid	Seminar on Science and Technology 2008, 29 – 30 Oct 2008	UMS, Sabah
Tracking Regional Climate Change with Coral Growth-A Case Study from Miocene Coral	Zuhar Zahir Harith, Bernard J Pierson and Jasmi Ab Talib	The South China Sea Conference (SCS), 25 – 29 Nov 2008	Kuantan, Pahang
Microwave Assisted Gravity Drainage of Heavy Oils	Berna Hascakir, Cagdas Acar, Birol Demiral and Serhat Akin	International Petroleum Technology Conference (IPTC), 3 – 5 Dec 2008	Kuala Lumpur Convention Centre, Malaysia
Environmental Vulnerability of the Coastal Environments of Western Perak to Oil Spills	Chow Weng Sum, Bernard J Pierson, Zuhar Zahir Tuan Harith and Askury A Kadir	International Petroleum Technology Conference (IPTC), 3 – 5 Dec 2008	Kuala Lumpur Convention Centre, Malaysia
Palezoic Limestone of the Kinta Valley: Paleogeography and Implications to the Regional and Petroleum Geology of Peninsular Malaysia	Askury Abd Kadir, Bernard J Pierson, Zuhar Zahir Tuan Harith and Chow Weng Sum	International Petroleum Technology Conference (IPTC), 3 – 5 Dec 2008	Kuala Lumpur Convention Centre, Malaysia
Miscible CO2 injection: Sensitivity to Fluid Properties – Case Studies	Faiza M Nasir and Nurul Azrin Amirruddin	Third International Conference On Modelling, Simulation and Applied Optimization, 20 – 22 Jan 2009	American University of Sharjah, United Arab Emirates
Evaluating the Effectiveness of Intelligent Well System Technology for Fluid Front Optimisation: A Case Study on Malaysian Oil Field	M Sanif Maulut, Faiza M Nasir, Ismail M Saaid and Mohamed Mansour Elharith	Third International Conference On Modelling, Simulation and Applied Optimization, 20 – 22 Jan 2009	American University of Sharjah, United Arab Emirates
Wettability Influence on Hysteresis for Immiscible WAG injection	M Sanif Maulut and Faiza M Nasir	Third International Conference On Modelling, Simulation and Applied Optimization, 20 – 22 Jan 2009	American University of Sharjah, United Arab Emirates

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Stratigraphy and Depositional History of the Shu'aiba in the Southern Gulf region: a new regional view	Bernard J Pierson, Khalil Al Mehsin, Saeed Al-Menhali, Henk Droste, Gregor Eberli, Georg Warrlich, John Whitworth, Florian Maurer and Donna Drysdale	First EAGE Arabian Plate Geology Workshop, 12 – 15 Jan 2009	Oman
Unravelling the depositional history of the Shu'aiba at a regional scale: key success factors	Gregor Eberli and Bernard Pierson	First EAGE Arabian Plate Geology Workshop, 12 – 15 Jan 2009	Oman
Upper Shu'aiba Paleocology and Mechanisms of Clinoform Progradation	Bernard Pierson, K Al-Mehsin and Gregor P Eberli	First EAGE Arabian Plate Geology Workshop, 12 – 15 Jan 2009	Oman
Transient Pressure Behavior for a Reservoir with Continuous Perme-ability Distribution in the Invaded Zone	Noaman A F El-Khatib	2009 SPE Middle East Oil and Gas Show and Conference, Bahrain, 15 –18 Mar 2009	Bahrain
Near Surface Resistivity Response to Lithostratigraphy and Fluid Contents	Zuhar Tuan Harith, Ani Aiza Asha'ari and Rosli Saad	Petroleum Geology Conference & Exhibition, 2 – 3 Mar 2009	Kuala Lumpur Convention Centre, Malaysia
A Fuzzy-Based Model to Determine Corrosion Rate for Carbon Steel Subject to Corrosion under Insulation	Ainul Akmar Mokhtar and Ir Dr Mokhtar Che Ismail	Nace East Asia Pacific Regional Conference & Exhibition, 12 – 14 May 2008	Singapore
Application of The Raghavan-Martin Two Phase Conductivity Model to Nano-Fluids	Prof Dr Vijay Raj Raghavan	International Conference on MEMS and Nanotechnology (ICMN08), 13 – 15 May 2008	UIAM, Selangor
Enhancement of Heat Transfer of A Liquid Refrigerant in Transition Flow in The Annulus of A Double Tube Condenser	Prof Dr Vijay Raj Raghavan	5th European Thermal Scinece Conference, 18 –22 May 2208	Netherlands
Potential Application of Rapid Prototyping Techniques to Fabricate a Laminated Rapid Tooling of PU Foam Mould	Ahmad Majdi Abdul Rani, Faiz Ahmad, Victor Devadass and Shah Fenner Khan Mohamad	International Conference on Mechanical & Manufacturing Engineering 2008, Johor Bharu, 21 – 23 May 2008	Johor Bharu, Johor
Studies on Suitability of Palm-Fronds for Biomass Gas Production	Ir Dr Shaharin Anwar Sulaiman	International Conference on Mechanical & Manufacturing Engineering 2008, Johor Bharu, 21 – 23 May 2008	Johor Bharu, Johor
Fatigue Life Assessment of Compo-sites Material under Variable Amplitute Loading Recurrent Neural Networks with Bayesioan Regualrization (RNN-BR)	Ir Idris b Ibrahim	International Conference on Mechanical & Manufacturing Engineering 2008, Johor Bharu, 21 – 23 May 2008	Johor Bharu, Johor
Laser Attenuation Technique for Measurement of Droplets in A Turbulent fuel Air Aerosol Mixture	Ir Dr Shaharin Anwar Sulaiman and Dr Zainal Ambri Abdul Karim	International Conference on Mechanical & Manufacturing Engineering 2008, Johor Bharu, 21 – 23 May 2008	Johor Bharu, Johor
Effect of Inlet Air Cooling on Gas Turbine Performance	Waiel Kamal Elsaied and Dr Zainal Ambri Abdul Karim	International Conference on Mechanical & Manufacturing Engineering 2008, Johor Bharu, 21 – 23 May 2008	Johor Bharu, Johor
Engine Cylinder Head Cooling Enchancement By Mist Cooling – A Simulation Study	Dr Vijay R Raghavan	International Conference on Mechanical & Manufacturing Engineering 2008, Johor Bharu, 21 – 23 May 2008	Johor Bharu, Johor

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Numerical Study of the Plenum Chamber of a Swirling Fluidized Bed	Dr Vijay R Raghavan	International Conference on Mechanical & Manufacturing Engineering 2008, Johor Bharu, 21 – 23 May 2008	Johor Bharu, Johor
On-Line Measurement and Analysis of High Turbulent and Reverse Flow Fields	AP Dr Hussain H Al-Kayiem	13th International Conference on Applied Mechanics & Mechanical Eng, 27 – 29 May 2008	Egpyt
Combined Effect of Incidence Fore-body Angles on The Flow Structure Inside Spiked Supersonic Inlets	AP Dr Hussain H Al-Kayiem	13th International Conference on Applied Mechanics & Mechanical Eng, 27 – 29 May 2008	Egpyt
Assesing Thermal Variation in Bench and Carousel Type Production Tools	Dr Ahmad Majdi Abd Rani	13th International Conference on Applied Mechanics & Mechanical Eng, 27 – 29 May 2008	Egpyt
The Effect of Droplets on Buoyancy in Very Rich ISO-Octance Air Flames	Ir Dr Shaharin Anwar Sulaiman	14th International Conference on Applied Mechanics & Mechanical Eng, 28 – 30 May 2008	Egpyt
Sintering Different Compositions of Tungsten Alloys for Enhanced Impact Properties	AP Dr Faiz Ahmad	International Conference on Tusnten Alloys, 8 – 12 Jun 2008	USA
Development of Carbon Nanotubes Reinforced Copper Composites for Heat Sinking Applications	AP Dr Faiz Ahmad	2008 World Congress on Powder Metallurgy & Particular Materials, 8 – 12 Jun 2008	USA
Augmentation of Heat Transfer by Use of Integral Wake Splitters in Tube Banks	Prof Dr Vijay Raj Raghavan	UK Malaysia Eng Conference 2008, 14 – 15 Jul 2008	UK
Attitude Control of Flexible System by Shaping Constant-Amplitude Input	Hj Ir Idris Ibrahim, Dr Setyamartana Parman and Azman Zainuddin	UK Malaysia Eng Conference 2008, 14 – 15 Jul 2008	UK
Study on the Analogy of Thermal Properties and Mechanical Properties of Composite Materials	AP Dr Puteri Sri Melor, AP Dr Othman Mamat and Prof Vijay R Raghavan	International Conference & Exhibition on Composites Material & Nano Sturucture, 5 –7 Aug 2008	Selangor
Microstructural and Hardness of 9% Ferritic Stainless Steel Nitried at High Temperature	AP Dr Patthi Hussain	IMTCE 2008 – 6th International Materials Technology Conference & Exhibition, 24 –27 Aug 2008	Selangor
The Study on Interface Bonding of Instumescent Flame Retardant Coating	AP Dr Faiz Ahmad	IMTCE 2008 – 6th International Materials Technology Conference & Exhibition, 24 –27 Aug 2008	Selangor
Performance and Emission Comparison of A Direct-Injection (DI) Internal Combustion Engine using Hydrogen and Compressed Natural Gas as Fuels	AP Dr A Rashid A Aziz	International Conference on Gas Research Union IGRC2008, 7 – 11 Oct 2008	France
Controlling Attitude Maneuvers of a Flexible Satellite under Low Frequency Vibration by Using Feed-Forward Constant-Amplitude Inputs	Dr Setyamartana Parman	The 13th International Conference on Low Frequency Noise and Vibration and its Control (LFNV-2008), 21 – 23 Oct 2008	Tokyo, Japan
Biomass A Back-Up to The Thermal Solar Systems	AP Dr Hussain H Al-Kayiem	Conference on Solar Energy Research, 21 – 22 Oct 2008	Institut Kebangsaan Malaysia

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Pilot Study on Laminated Tooling for Implementation of Conformal Heating Channel (DC075)	Dr Ahmad Majdi Abd Rani	DECON 2008 – National Conference on Design and Concurrent Engineering, 28 –29 Oct 2008	Melaka
Reduces CO2 Emission by Cogeneration Plants: A case study of two cogenerated GDC plants in Malaysia	Dr Syed Ithsham Ul-Haq Gilani, Ir Dr Mohd Amin Abd Majid and Ir Dr Chalilullah Rangkuti	4th International Conference on Cooling and Heating Technologies, ICCHT-2008, 28 –31 Oct 2008	Jinhae, Korea
Development of Analytical Model Energy Audit of Refrigeration Systems	Philip Waden Augustino Yongo, Dr Zainal Ambri Abdul Karim	4th International Conference on Coolong and Heating Technologies ICCHT 2008, 28 –31 Oct 2008	Jinhae, Korea
A Self-designed Predictive Tool for Thermal/Hydraulic Calculations of Fula Pipeline	Mysara Eissa Mohyaldin and Dr Razali Hamzah	Saudi Arabia International Oil & Gas Exhibition & Conference, 15 – 17 Nov 2008	Saudi Arabia
Study on a Wickless Heat Pipe for Humidity Control	Dr Vijay R Raghavan	International Heat Pipe Symposium, Monash University, 18 – 20 Nov 2008	Kuala Lumpur
Introducing Innovation To Under-graduates Through The Engineering Team Project (ETP) Course	Rahmat Iskandar K Shazi, Ir Dr Shaharin and How Meng Git	The 5th International Conference on Innovation and Management ICIM2008, 10 – 11 Dec 2008	UNU-Merit United Nations University, The Netherland
Studies on Annular Gas Distributor for a Swirling Fluidized Bed	Dr Vijay R Raghavan	Fascinating Advancements in Mechanical Engineering, 11 – 13 Dec 2008	Sivakasi, India
A Step Towards Creating a Numerical Model for Erosion and Corrosian Prediction in Pipe Components	Mysara Eissa Mohyaldin, Dr Razali Hamzah and Ir Dr Che Ismail	International Conference on Science & Technology, Application in Industry & Education, 12 – 13 Dec 2008	UiTM, Penang
Entrance Type into the Plenum Chamber of a Swirling Fluidized Bed	Dr Vijay R Raghavan	2nd International Conference on Science and Technology, 12 – 13 Dec 2008	UiTM, Shah Alam
Formation Control of Behavior Based Multiple Mobile Robots – A Reactive Approach	Dr T Nagarajan	2nd International & 23rd India Manufacturing Technology Design-Researh Conference, 15 – 17 Dec 2008	India
Simulation Models for the Analysis of Transmission Pipeline Network System of Natural Gas	Ir Dr Mohd Amin Abd Majid	2nd Engineering Conference on Sustainable Engineering Infrastructure Development & Management, 17 – 19 Dec 2008	Kuching
Experimental Simulation on the Effect of Leakage of Steam to the Heat Rate of a Plant	Ir Dr Shaharin Anwar Sulaiman, Dr Ahmad Majdi Abd Rani and Chin Yee Sing	EnCon 2008 – 2nd Engineering Conference, 18 – 19 Dec 2008	UNIMAS, Sarawak
Using Optical Light Microscopy and Scanning Electron Microscopy to Analyse and Quantify Flexible Polyurethance Foam Cell Size	Dr Ahmad Majdi Abd Rani	17th Scientific Conference on Electron Microscopy, 18 - 20 Dec 2008	Negeri Sembilan
The Effect of Adhesion Bonding and Intumescent Coating on Steel Substrate after Fire Test	Dr Pathi Hussain	17th Scientific Conference on Electron Microscopy, 18 - 20 Dec 2008	UiTM, Shah Alam
Electron Backscattered Diffraction (EBSD) of Creep-Void Precipitates in Steam-Methane Reformer Tubes	Dr Azmi Abdul Wahab	17th Scientific Conference on Electron Microscopy, 18 - 20 Dec 2008	UiTM, Shah Alam

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Assesing Piping Reliability Subject to Wall Thinning using Degradation Analysis	Ainul Akmar Mokhtar	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management, 18 – 19 Dec 2008	Sarawak
Reliability Analysis for Repairable Systemsa with Limited Failure Data using Generalized Renewal Process	Masdi Muhammad	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management, 18 – 19 Dec 2008	Sarawak
Fabrication of NACA4412 Airfoil Section for Wind Tunnel Tests by CAE	AP Dr Hussain H Al-Kayiem	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management, 18 – 19 Dec 2008	Sarawak
Mathematical Modelling of On-Roof Solar Chimney for Small Scale Power Generation	AP Dr Hussain H Al-Kayiem	2nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management, 18 – 19 Dec 2008	Sarawak
Development of Analytical Model Energy Audit of Cogeneration Plant	Philip Waden Augustino Yongo and Dr Zainal Ambri Abdul Karim	2nd Engineering Conference "Sustainable Engineering Development & Management", 18 – 19 Dec 2008	UNIMAS, Sarawak
Design of an Intelligent Pig for Offshore Pipeline Maintenance	Kresnajaya Prasetia Pancakarsa and Dr Fakhruldin Mohd Hashim	International Graduate Conference Engineering & Science (IGCES), 23 – 24 Dec 2008	UTM, Skudai, Johor
A Statistical Evaluation Method of Edge Detection Algorithus for Combustion Spray Images	Emishaw Dandena Iffa and Dr Abd Rashid Abd Aziz	International Graduate Conference Engineering & Science (IGCES), 23 – 24 Dec 2008	UTM, Skudai, Johor
Mechanistic Prediction Model of CO2 Corrosion	Yuli Panca Asmara and Ir Dr Mokhtar Che Ismail	International Graduate Conference Engineering & Science (IGCES), 23 – 24 Dec 2008	UTM, Skudai, Johor
An Investigation into the Properties of Resin-Infused Polymer Composites	Muhamad Ridzuan Abdul Latif and John Hodgkinson	Seventh International Conference on Composite Science and Technology, 20 – 22 Jan 2009	College of Engineering American University of Sharjah UAE
Interfacial Study of Intumescent Flame Retardant Coating on Steel Substrate	Dr Pathi Hussain, W C Puspitasari, F Ahmad, O Mamat, P S M Megat Yusoff, B Ariwahjoedi and J Juhari	10th Specialist Engineers Meeting & Symposium, 3– 4 Feb 2009	Selangor
Energy Generation during Friction Stir Spot Welding (FSSW) of A1 6061-T6 Plates	Dr Mokhtar Awang and Victor H Mucino	Conference on Minerals, Metals & Materials, 14 - 21 Feb 2009	USA
Towards A New Simple Analytical Formulation of Navier – Stokes Equations	Ahmed M S Ali, Zainal Amri and Gunawan Nugroho	World Congress on Science Engineering and Technology (NASET), 23 – 25 Mar 2009	Hong Kong
ANFIT: Two-layered Framework for Network Troubleshooting	Nazleeni Samiha Haron, Zuraidah Sulaiman and Mohd Hilmi Hasan	The 2008 IAENG International Conference on Computer Science (ICCS), 19 – 21 Mar 2008	Hong Kong, China
Parallelism of Travelling Salesman Problem In Search Of Shortest Path Implementated On High Performance Computer	Izzatdin Aziz, Mazlina Mehat and Low Tan Jung	The 2008 IAENG International Conference on Computer Science (ICCS), 19 – 21 Mar 2008	Hong Kong, China

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Development of Knowledge Management System for Equipment Troubleshooting	Hilmi Hussin, Noreen Izza Arshad and Masdi Muhamad	International Conference on Plant Equipment and Reliability (ICPER 2008), 19 – 21 Mar 2008	Kuala Lumpur
Proposed Design Notation for Model Transformation	Lukman Ab Rahim and Sharifah Bahiyah Rahayu Syed Mansoor	Australian Software Engineering Conference, 27 – 29 Mar 2008	Perth, Australia
Applying Data Analysis in Performance Monitoring for Students in the Development of Intelligent Results Tracking System	Ahmad Izuddin Zainal Abidin, Jamie Tan, Ainol Rahmah Shazi and Khairul S Kalid	The 2008 International Conference on e-Education (e-CASE 2008), 27 – 30 Mar 2008	Bangkok, Thailand
Trends of Knowledge Sharing for the Corporation: From Structured to Unstructured Knowledge	Ainol Rahmah Shazi and Mazeyanti M Ariffin	National Conference on Information Retrieval and Knowledge Management (CAMP 08), 18 Mar 2008	Selangor
Towards the Future of Effective Social Networking: Knowledge Management (KM) as an Enabler and an Effective Communication	Ahmad Kamil Mahmood, Noreen Izza Arshad, Mazeyanti M Ariffin and Ahmad Izuddin Zainal Abidin	SLiB Conference 2008: Knowledge Communities; Rising to the Performance Challenges, 18 – 20 Mar 2008	Kuala Lumpur Convention Centre
Information Technology Outsourcing in Malaysian Higher Institutions: a Comparative study of Universiti Teknologi PETRONAS and Universiti Islam Antarabangsa	Ahmad Kamil Mahmud and Abduljaleel K Shittu	Conference of Asian Science Education CASE 2008, 20 –23 Feb 2008	Kaohsiung, Taiwan
Building 2 Ontologies: As Knowledge Base for Automatic Question Answering System (Onto-Aquas) in Moodle eLearning Management System	Ahmad Muhklason and Dr Ahmad Kamil Mahmood	The 2008 International Joint conference on e-Commerce, e-Administration, e-Society, and e-Education (e-CASE 2008), 27 – 29 Mar 2008	Bangkok , Thailand
A Decision Support System for Performance Appraisal	Penny Goh Kim Nee and Dr Dominic	International Conference On Information Technology 2008, 7 – 9 Apr 2008	Las Vegas, Nevada, USA
Separator Database Technique for Mining Sequential Patterns using Prefix Span with Pseudoprojection	Dhany Saputra, Dr Dayang Rohaya, A Izuddin Zainal Abidin and Shakirah Bt M Taib	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Maintaining Consistency and Availability of Data in Mobile Database	Ashraf Ahmed Fadelelmoula and Dr Dominic	National Postgraduate Conference 2008, 31 Mar 2008	UTP
A Simple 3D Spatial Entity for Emergency Response System in Micro Spatial Environment	Ahmad Syauqi Ahsan and Dr Ahmad Kamil	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Skecth Based Technique for 3D Walkthrough	Nordiana Sairuni and Dr Dayang Rohaya	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Extended Common Instrument Middleware Architecture Towards Heterogeneus Data Sources and the Grid Intergration	Dani Adiptha, Dr Ahmad Kamil Mahmood and Low Tang Jung	National Postgraduate Conference 2008, 31 Mar 2008	UTP
EAP-based Authentication with EAP Method Selection Mechanism in Ad Hoc Network	M Agni Catur Bhakti, Dr Azween Abdullah and Low Tang Jung	National Postgraduate Conference 2008, 31 Mar 2008	UTP
A Software Design for Purchase Decision Process Using Decision Support System Framework	Arif Abdelwahab Ali Elhaj and Dr Dominic	National Postgraduate Conference 2008, 31 Mar 2008	UTP

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
A Proposed Conceptual Framework for a Zoonosis Emerging System	Adhistya Erna Permanasari and Dr Dayang Rohaya	National Postgraduate Conference 2008, 31 Mar 2008	UTP
An Application of Intelligent Agents in Business: User Assistant for Knowledge of Latest Petroleum Stock market	Shuhadah Othman and Dr Etienne Schneider	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Consumers Trust in E-commerce Transactions:The Role of Perceived Privacy and Perceived Risk in the Context of E-Commerce	Yi Yi Thaw @ Rashidah Minakhtun and Dr Ahmad Kamil	National Postgraduate Conference 2008, 31 Mar 2008	UTP
A Fundamental Study on Patients Need of National Health Information System	Intan Najua Kamal Nasir and Dr Azween Abdullah	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Biological Inspired Self-Healing Software System Architecture	Mazin El-Hadi Ibrahim and Dr Azween Abdullah	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Developing Multi-Agent Simulation in Evacuation Planning	Arief Rahman and Dr Ahmad Kamil Mahmood	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Object Oriented Modeling Method for Successful Business Process Reengineering in UTP	Abdel Majid Omer Alhussein and Dr Dominic	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Modelling A Survivable System through Critical Service Recovery Process	Irving Vitra and Dr Azween Abdullah	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Complementary Context-Aware Ontology Design using Z Notation	Bayu Erfianto and Dr Ahmad Kamil Mahmood	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Storytelling Approach in Transferring Tacit Knowledge in Organisation Settings	Khairul Shafee Kalid and Dr Ahmad Kamil Mahmood	National Postgraduate Conference 2008, 31 Mar 2008	UTP
Assessing the Knowledge Relationship in Digital Social Network	Noreen Izza Arshad, Nurul Aini Mohd Nordan and Dr Ahmad Kamil Mahmood	National Postgraduate Conference 2008, 31 Mar 2008	UTP
A Logical Database Design in an English Malay Translation Memory System	Suhaimi Abd Rahman and Rohiza Ahmad	National Postgraduate Conference 2008, 31 Mar 2008	UTP
A Decision Support System for Performance Appraisal	Dr P D D Dominic, Izzatdin Abdul Aziz and K N Goh	5th International Conference on Information Technology, 7 – 9 Apr 2008	Las Vegas, Nevada, USA
School Management & Learning Collaboration (SMLC) Web Portal	Diana Wong, Justin Dinesh and Devaraj Daniel	ICEPEE'08 – International Conference on Engineering Professional Ethics and Education, 13 – 15 May 2008	Kuala Lumpur
Critical Service Recovery Model for System Survivability	Irving V Paputungan, Azween Abdullah and Low Tang Jung	19th IASTED International Conference on Modelling and Simulation (MS2008), 26 – 28 May 2008	Quebec City, Canada
Arabic Offline Handwritting Recognition	Mohamed E Gumah and Etienne Schneider	Knowledge Management International Conference 2008 (KMICe 2008), 10 – 12 Jun 2008	Langkawi Island, Kedah
Implementing Research Recognition Award Knowledge-based System (R2AKS)	Mazeyanti M Ariffin and Savita K Sugathan, Ainol Rahmah Shazi and hazlinda Zainuddin	Knowledge Management International Conference 2008 (KMICe 2008), 10 – 12 Jun 2008	Langkawi Island, Kedah

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Knowledge Management Strategy in the Competitive Environment - Case Study of a a Leading Indian Organisation	G Kannabiran, Dr P D D Dominic and T S Muralidharan	Knowledge Management International Conference 2008 (KMICe 2008), 10 – 12 Jun 2008	Langkawi Island, Kedah
Performance Measurement – A Balanced Score Card Approach	Dr P D D Dominic, Dr M Punniyamoorthy, Savita K Sugathan and Noreen Izza Arshad	Knowledge Management International Conference 2008 (KMICe 2008), 10 – 12 Jun 2008	Langkawi Island, Kedah
An SCM Framework to Describe CRM	Dr P D D Dominic, P Parthiban and Goh Kim Nee	The International Conference on e-Learning, e-Business, Enterprise Information Systems & e-Government, 14 – 17 Jul 2008	Las Vegas, USA
Mobile Islamic Medication Expert Systems	Hanita Daud, Low Tang Jung and Rozana Kasbon	IADIS International Conference Informatics 2008, 25 – 27 Jul 2008	Amsterdam
Development of Content Management System with Animated Graph	Saipunidzam Mahamad, Mohammad Noor Ibrahim, Rozana Kasbon and Chap Samol	Refereed Conference Proceedings of World Academy of Science, Engineering and Technology, 13 – 15 Aug 2008	Vienna, Austria
A Proposed Architecture for Cooperative Flood Alert System System Using GSM Network	Izzatdin Abdul Aziz, Izyan Ahmad Hamizan, Nazleeni Samiha Haron and Mazlina Mehat	International Symposium on Information Technology 2008 (ITSIM 2008), 26 – 29 Aug 2008	Kuala Lumpur Convention Centre
A Case Study of Linear Weightage Model for Supplier Selection Process	Arif A Ali, P D D Dominic and Oi Mean Foong	IEEE International Symposium on Information Technology 2008, 26 – 29 Aug 2008	Kuala Lumpur Convention Centre
Sequential Pattern Mining using PrefixSpan with Pseudoprojection and Separator Database	D Saputra, D Rohaya Awang Rambli and O M Foong	IEEE International Symposium on Information Technology 2008, 26 – 29 Aug 2008	Kuala Lumpur Convention Centre
Blogging as means of Knowledge Sharing: Blog Communities and Informal Learning in the Blogsphere"	Amir Ahmad Nasr Mazeyanti M Ariffin	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Remote Monitoring in Greenhouse Agriculture Using Sensor	Izzatdin A Aziz, Mohd Jimmy Ismail, Nazleeni Samiha Haron and Mazlina Mehat	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
3D Seismic Visualization using SEG-Y Data Format	Izzatdin A Aziz, Nurul Asyikin Mazelan, Nazleeni Samiha Haron and Mazlina Mehat	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Blind Echolocation Using Ultrasonic Sensors	Izzatdin A Aziz, Sajee Mahamad, Nazleeni Samiha Haron and Mazlina Mehat	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Noise Reduction in Seismograph on High Performance Computing Using F-K Filter	Izzatdin A Aziz, Thayalan Sandran, Nazleeni Samiha Haron and Mazlina Mehat	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Cooperative Flood Detection Using GSMD via SMS	Izzatdin A Aziz, Izyan Ahmad Hamizan, Nazleeni Samiha Haron and Mazlina Mehat	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
A Conceptual Framework for English Language Courseware Using Storytelling Approach: Case Study in Universiti Teknologi PETRONAS	Mazyrah Masri, Dr Wan Fatimah Wan Ahmad, Dr Shahrina M Nordin and Dr Suziah Sulaiman	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Multi-sensory Modalities for Music Learning	Dr Suziah Sulaiman, Dr Wan Fatimah Wan Ahmad and Dr Dayang Rohaya Awang Rambli	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Universiti Teknologi PETRONAS Health, Safety & Environment System	Dr Wan Fatimah Wan Ahmad, Aliza Sarlan and Nur Zatul Iffah Zolkana	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
A Framework for Database Query Terms' Recommender on Mobile Phones	Rohiza Ahmad and Sameem Abd Kareem	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Multi-sensory Modalities for Music Learning	Dr Suziah Sulaiman, Dr Wan Fatimah Wan Ahmad, Dr Dayang Rohaya Awang Rambli, Halabi Hasbullah and Goh Kim Nee	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Mapping from OCL/UML Metamodel to PVS Metamodel	Lukman Ab Rahim	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Evaluating Different Processes of Translating OCL to PVS using Model Transformation	Lukman Ab Rahim	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
A Case Study on User Interface Design of a Control System in an Oil Refinery Plant	Dr Suziah Sulaiman, Dr Wan Fatimah Wan Ahmad, Dr Dayang Rohaya Awang Rambli, Goh Kim Nee and Siti Rohkmah M Shukri	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
A Preliminary Study on Knowledge Management& Data Mining: A Focus on Sales and Financial Management	Noreen Izza Arshad, M Imran M Ariff, Shakirah M taib and Khou Suy Long	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
The Dimensioning of Non-Token-Bucket Parameters for Efficient and Reliable QoS Routing Decisions in Bluetooth Ad Hoc Network	Halabi Hasbullah, Mahamod Ismail and Kasmiran Jumari	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Sequential Pattern Mining Using Prefix Span With Pseudoprojection and Separator Database	Dhany Saputra, Dr Dayang Rohaya Awang Rambli and Foong Oi Mean	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Pervasive Car Pooling System Using Push Strategy	Yew Kwang Hooi, Chen Yoke Yie, Emy Elyanee Mustapha and D K Do	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Framework to Customize a Document Management System (DMS) Using Web Services Technology	Noreen Izza Arshad, Rozana Kasbon, M Imran M Ariff and Hayaton Fadilah Bahari	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Automated Notification and Document Downloading in e-Learning Development of an Agent-Based Framework Utilizing the Push-Pull Technology Interaction Policy	Norizal Abd Latif, Mohd Fadzil Hassan and Mohd Hilmi Hasan	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Online Islamic Medication Expert Systems (OIMES)	Hanita Daud, Low Tang Jung and Rohiza Ahmad	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
A Conceptual Framework for Teaching Technical Writing Using 3 D Virtual Reality	Shahrina Bt Md Nordin, Suziah Sulaiman, Dayang Rohaya, Wan Fatimah Wan Ahmad and Ahmad Kamil Mahmood	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Handwriting Recognition: An Overview	Mohamed E. Gumah, Etienne Schneider and Abdulrazaq	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
A System Architecture for Remote Water Quality Monitoring Using Wired Sensors	Nazleeni Samiha Haron,Mohd Khuzaimi Mahamad, Izzatdin A Aziz and Mazlina Mehat	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Student Industrial Internship Web Portal	Aliza Bt. Sarlan, Wan Fatimah Bt Wan Ahmad and Dismas Bismo	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Self-Organizing Grid Resource Discovery	Mahamat Issa Hassan and Azween Abdullah	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
A Secure Infrastructural Framework for National Health Information System	Intan Najua Kanal Nasir and Azween Abdullah	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Layered Biologically Inspired Self-Healing Software System Architecture	Mazin Elhadi and Azween Abdullah	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Object Orientation with Business Process Modeling for Successful Business Process Reengineering	Abdelmajed Omar Musmar, Azween Abdullah and P Danapal Durai Dominic	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Biologically Inspired Approach in Parallel Immunology System for Network Security	Muna Elsadig and Azween Abdullah	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Biologically Inspired Model for Securing Hybrid Mobile Ad Hoc Network	Yasir Abdelgadir and Azween Abdullah	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Self-Organizing Grid Resource Discovery	Mahamat Issa and Azween Abdullah	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Simulation of EAP Method Selection and Negotiation Mechanism	M Agni Catur Bhakti, Azween Abdullah and Low Tang Jung	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Online Islamic Medication Expert Systems (OIMES)	MHanita Daud, Low Tan Jung and Rohiza Ahmad	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
A New Auditing Scheme for Securing Statistical Databases	Asim Elshiekh and P D D Dominic	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Website Accessibility Performance Evaluation in Malaysia	Handaru Jati and P D D Dominic	International Symposium of Information Technology 2008 (ITSIM08), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Construction of Zoonosis Domain Relationship as a Preliminary Stage for Developing a Zoonosis Emerging System	Adhistya Erna, Dayang Rohaya, P D D Dominic and Venkatachalam	International Symposium on Information Technology 2008 (ITSIM 2008), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Human skin detection using defined skin region	Handaru Jati and P D D Dominic	International Symposium on Information Technology 2008 (ITSIM 2008), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
A Binary Hybrid Replication Strategy for Improving Availability and Maintaining Consistency of Data in Large Scale Mobile Environment	Ashraf ahmed, P D D Dominic, and Hamidah Ibrahim	International Symposium on Information Technology 2008 (ITSIM 2008), 27 – 29 Aug 2008	Kuala Lumpur Convention Centre
Hand Gesture Recognition: Signs to Voice System (S2V)	Ooi Mean Foong, Low Tang Jung and Satrio Wibowo	The International Conference on Computer Science and Information Technology (CSIT 2008), 29 – 31 Aug 2008	Singapore
Text Summarization System for Oil & Gas Industry	Y Y Chen, O M Foong, S P Yong and Kurniawan Iwan	5th International Conference on Data, Information & Knowledge Mgmt (WASET), 30 Aug – 1 Sept 2008	Singapore
Integrating SCORM content development with Open Source E-Learning: an Implementation E-Learning System of Universiti Teknologi PETRONAS	Saipunidzam Mahamad, Rozana Kasbon, Mohammad Noor Ibrahim, Jale Ahmad and Mazlin Mohd Razali	4th International Conference on University Learning and Teaching, 20 – 21 Oct 2008	University of Hertfordshire, UK
Use Of Multimedia Application In Learning Gamelan	Mazlina Mehat, Emy Elyanee and Mohd Shuhaizad Hassan	4th International Conference on University Learning & Teaching, 20 – 21 Oct 2008	University of Hertfordshire, UK
Evaluating Pairs Analysis Threshold Value Using Receiver Operating Characteristic (ROC) Graph	Emelia Akashah P A Prof Anthony Ho and Savita K Sugathan	World Congress on Engineering & Computer Science 2008, 22 – 24 Oct 2008	University of California, Berkeley
An Interactive Approach To Curve Framing	Abas Md Said	International Conference On Mathematics & Natural Science 2008, 28 – 30 Oct 2008	Institut Teknologi Bandung
Open Source Implementation of M-Learning for Primary School in Malaysia	Saipunidzam Mahamad, Mohammad Noor Ibrahim, Mohamad Izzriq Abd Malek and Shakirah M Taib	International Conference on Computer and Instructional Technologies (ICCIT 2008), 29 – 31 Oct 2008	Venice, Italy
Open Source Implementation of M-Learning for Primary School in Malaysia	Saipunidzam Mahamad, Mohammad Noor Ibrahim, Mohamad Izzriq Ab Malek Foad and Shakirah Mohd Taib	Proceeding of World Academy of Science, Engineering and Technology, 29 – 31 Oct 2008	Venice, Italy
Signal Noise Removal using Concurrent Algorithm, Proceedings of the 4th	Hammuzamer Irwan Hamzah, Azween Abdullah	International Conference on Information Technology and Multimedia (ICIMU' 2008), 7 –19 Nov 2008	Bangi, Selangor
The Determination of a Queue Control Parameter for Efficient and Reliable QoS Routing Decisions in Bluetooth Ad Hoc Network	Halabi Hasbullah, Mahamod Ismail and Kasmiran Jumari	International Conference on Information Technology and Multimedia (ICIMU' 2008), 8 –9 Nov 2008	Bangi, Selangor
Biologically Inspired Signal Noise Elimination Using Human Ear Model with Concurrent Algorithm	Hammuzamer Irwan hamzah and Azween Abdullah	Seminar Ilmiah Ilmu Komputer Nasional 2008 (SILICON 2008), 13 – 14 Nov 2008	Universitas Pelita Harapan, Tangerang, Indonesia

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Proposed Model to Regenerate Software in Self-Healing System	Ria Candrawati and Azween Abdullah	Seminar Ilmiah Ilmu Komputer Nasional 2008(SILICON 2008), 13 – 14 Nov 2008	Universitas Pelita Harapan, Tangerang, Indonesia
Mobile Commerce Awareness among Youth in Malaysia	Ainol R Shazi, Chen Yoke Yie , Emelia Akashah P A, Emy Elyanee M, Mazlina Mehat and Savita K S	4th International Conference on Information Technology & Multimedia (ICIMu2008) 17 – 19 Nov 2008	Bangi, Selangor
Using Ontology for the Development of a Knowledge-based System for E&P business	Ainol R Shazi, Mazeyanti M Ariffin and Fatihah Kasim	4th International Conference on Information Technology & Multimedia (ICIMu2008), 18 – 19 Nov 2008	UNITEN, Selangor
In-Car Maintenance System: An Integrated Vehicle Information System	Eliza Mazmee Mazlan, Faizal Mohamad Nasir, Lukman Ab Rahim and Rozana Kasbon	4th International Conference on Information Technology & Multimedia (ICIMu2008), 18 – 19 Nov 2008	UNITEN, Selangor
Integrating Knowledge-Based Approach in Menu Planner	Saipunidzam Mahamad, Rozana Kasbon, M Noor Ibrahim and Siti Norhanis Mohd Akhir	4th International Conference on Information Technology & Multimedia (ICIMu2008), 18 – 19 Nov 2008	UNITEN, Selangor
Biologically Inspired Architecture for Securing Hybrid Mobile Ad Hoc Networks	Yasir Abdelgadir and Azween Abdullah	HONET08, 18 – Nov 2008	USM, Penang
A Formal Specification Language for Remote Mobile Nodes Service Delivery via VANET"	Maythem K Abbas and Azween B Abdullah	4th International Conference on Information Technology & Multimedia (ICIMu2008) 18 – 19 Nov 2008	UNITEN, Selangor
Supplier Selection using Analytic Hierarchy Process	Arif A Ali, P D D Dominic and Oi Mean Foong	4th International Conference on Information Technology & Multimedia (ICIMu2008) 17 – 19 Nov 2008	UNITEN, Selangor
Integrating Case-based Reasoning Technique in Malaysian Meal Menu Planner	Saipunidzam Mahamad, Rozana Kasbon, Mohammad Noor Ibrahim and Siti Norhanis Mohd Akhir	4th International Conference on Information Technology & Multimedia (ICIMu2008) 17 – 19 Nov 2008	UNITEN, Selangor
Security Mechanisms for MANETs	Yasir Abdelgadir and Azween Abdullah	NetApps08, 21 – 22 Nov 2008	UUM, Kedah
Scalable Self-Organizing Model for Grid Resource Discovery"	Mahamat Issa and Azween Abdulah	International Conference on Network Applications, Protocols, and Services, EDC–UUM, 21– 22 Nov 2008.	UUM, Kedah
Biologically Inspired Self-Healing Architecture for Software System,	Mazin Elhadi and Azween Abdullah	BIONETICS 2008, 25 – 28 Nov 2008	Hyogo, Japan.
Biologically Inspired Protocol for Securing Hybrid Mobile Ad hoc Networks	Yasir Abdelgadir Mohamed and Azween Abdullah	BIONETICS 2008, 25 – 28 Nov 2008	Hyogo, Japan.
Bio Inspired Intrusion Prevention System and Self-healing System for Network Security	Muna Elsadiq and Azween Abdullah	BIONETICS 2008, 25 – 28 Nov 2008	Hyogo, Japan.
Eliminating Noise in Signal Sound Using Concurrent Algorithm	Hammuzamer Irwan Hamzah and Azween Abdullah	BIONETICS 2008, 25 – 28 Nov 2008	Hyogo, Japan.
Knowledge Sharing among Patrons in Academic Library: a Case Study of IRC UTP	Adwina Nabilla Anuwi and Mazlina Mehat	World Congress of Muslim Librarian & Information Scientists 2008, 25 – 27 Nov 2008	Putra World Trade Centre, Kuala Lumpur
Knowledge Sharing among Public Library Users	Shazwani Abu Bakar and Mazlina Mehat	World Congress of Muslim Librarian & Information Scientists 2008, 25 – 27 Nov 2008	Putra World Trade Centre, Kuala Lumpur

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
A Ternary Replication Strategy for Large Scale Mobile Distributed Environment	Ashraf Ahmed, P D D Dominic, and Azween Abdullah	Proceeding of 2008 Regional Student Conference On Research and Development (SCOReD 2008), UTM, Johor, Malaysia, 26 – 28 Nov 2008	UTM, Johor
The Key Representation Auditing Scheme for Securing Statistical Databases	Asim Elshiekh and P D D Dominic	6th Student Conference On Research and Development (SCOReD 2008), 26 – 28 Nov 2008	UTM, Johor
Securing MANET through Intelligent Agents	Yasir Abdelgadir and Azween Abdullah	6th Student Conference On Research and Development (SCOReD 2008), 26 – 28 Nov 2008	UTM, Johor
MAHIS-Security Specification Language	Intan Najua Kamal Nasir, Azween Abdullah and Abdullah Sani Abdul rahman	6th Student Conference On Research and Development (SCOReD 2008), 26 – 28 Nov 2008	UTM, Johor
Dynamic Self-Regenerative Network Software Using Biologically Inspired Model	Oumar Abderaman and Azween Abdullah	6th Student Conference On Research and Development (SCOReD 2008), 26 – 28 Nov 2008	UTM, Johor
New Approach to Hybrid Biological Intrusion Prevention and Self-healing System for Network Security	Muna Elsadig and Azween Abdullah,	6th Student Conference on Research and Development (SCOReD 2008), 26 – 28 Nov 2008	UTM, Johor
Developing Knowledge Sharing Portal (K-$Ip) for CISD Academicians Using Open Source Software	Savita K S, Noreen I A, Emelia A P and Khuzaili H Z	4th International Conference on Signal-Image Technology & Internet Based System (SITIS' 2008), 30 Nov – 3 Dec 2008	Bali, Indonesia
Clearance Time Reduction in Pre-Evacuation Planning	A Rahman, A K Mahmood and E Schneider	9th Asia Pacific Industrial Engineering & Management Systems Conference (APIEMSC 2008), 3 – 5 Dec 2008	Bali, Indonesia.
Optimization of Supply Chain Performance Using MCDM tool – A Case Study	Parthiban Punniyamoorthy, Ranga Janardhana and P D D Dominic	Proceedings of SCMIS 2008, 3 – 5 Dec 2008	Tiruchirappalli, India,
E-learning's Discussion Room Impacts On Students Performance: A Case Study On System Analysis And Design Course	Aliza Sarlan, Rohiza Ahmad and Wan Fatimah Wan Ahmad	International Conference On Sciences Technology: Application In Industry & Education 2008, 12 – 13 Dec 2008	UiTM, Penang
Automated Personality Inventory System	Wan Fatimah Wan Ahmad, Aliza Sarlan and Mohd Azizie Sidek	International Conference On Sciences Technology: Application In Industry & Education 2008, 12 – 13 Dec 2008	UiTM, Penang
Arbitrage Detector with Alert System	Saipunidzam Mahamad, Anis Suria Mohd Zainudin, Mohammad Noor Ibrahim, Rozana Kasbon and Eliza Mazmee Mazlan	2nd International Conference on Science and Technology: Application in Industry and Education, 12 – 13 Dec 2008	UiTM, Penang
Temperature Correction Computation System	Rozana Kasbon, Saipunidzam Mahamad, Puteri Shariza Megat Khalid and Mohammad Noor Ibrahim	2nd International Conference on Science and Technology: Application in Industry and Education, 12 – 13 Dec 2008	UiTM, Penang
Development of E-Fibroid Patient Tracking System using Smartcard Technology	Saipunidzam Mahamad, Mohammad Noor Ibrahim, Rozana Kasbon and Nooraziah Abd Karim	2nd International Conference on Science and Technology: Application in Industry and Education, 12 – 13 Dec 2008	UiTM, Penang

The events, activities and achievements listed cover those from January 2008 to March 2009.

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Title of Paper	Author (s)	Conference	Venue
Stakeholder Inputs: Alternative or Necessity in Software Requirements Engineering	Ainol R. Shazi, Eliza Mazmee Mazlan, Lukman Ab Rahim and Nur Shazwani Abu Samah	4th Malaysia Software Engineering Conference (MySec' 08), 14 – 15 Dec 2008	Terengganu
Students' Perceptions towards Blended Learning In Teaching and learning Mathematics: Application of integration	Wan Fatimah Wan Ahmad, Afza Shafie and Josefina Barnachea Janier	Asian Technology Conference in Mathematics 2008, 15 – 19 Dec 2008	Suan Sunandha Rajabhat University, Bangkok, Thailand
Using Agent Based Simulation of Human Behaviour to Reduce Evacuation Time	A Rahman, A K Mahmood and E Schneider	11th Pacific Rim International Conference on Multi Agents (PRIMA 2008), 15 – 16 Dec 2008	Hanoi, Vietnam.
Bio Inspired Intrusion Prevention and Self-healing Architecture for Distributed Systems	Muna Elsadiq and Azween Abdullah	INNOVATIONS08, 16 – 18 Dec 2008	Al-Ain, Dubai, UAE,
Biologically Inspired Architecture for Securing Hybrid Mobile Ad Hoc Networks	Yasir Abdelgadir and Azween Abdullah	INNOVATIONS08, 16 – 18 Dec 200	Al-Ain, Dubai, UAE,
Maintaining Consistency and Availability	Ashraf Ahmed and Azween Abdullah	INNOVATIONS08, 16 – 18 Dec 200	Al-Ain, Dubai, UAE,
Design of an Adaptive Assessment System using Fuzzy Logic.	Norshuhani Zamin and Diyana Syamsiyah Razali	National Seminar on Fuzzy Theory and Applications (NSFTA 2008), 16 Dec 2008	UiTM, Shah Alam
Design of a Fuzzy Expert System for Dietician.	Norshuhani Zamin and Nor Idayu Zainal	National Seminar on Fuzzy Theory and Applications (NSFTA 2008), 16 Dec 2008	UiTM, Shah Alam
A Language to Represent Security Policy for Multi-Agency Health Information System	Intan Najua Kamal Nasir, Azween Abdullah and Abdullah Sani Abdul Rahman	International Graduate Conference on Engineering and Science (IGCES2008), 23 – 24 Dec 2008	UTM, Johor
Solving Travelling Salesman Problem on High Performance Computing using Message Passing Interface	Izzatdin A Aziz, Nazleeni Haron, Mazlina Mehat, Low Tan Jung and Aisyah Nabilah	The 7th WSEAS International Conference on Computational Intelligence, Man-machine System and Cybernetics (CIMMACS '08), 25 – 29 Dec 2008	Cairo, Egypt
Development of A Corporate Entreprenurship Index – A Study On Ftse 100 Companies In The UK	Dr Satirenjit Kaur Johl, Prof Alistair Bruce and Prof Martin Binks	Fifth AGSE International Entrepreneur-ship Research Exchange, Australia 2 – 5 Aug 2008	Melbourne, Australia
Organisational Structure And Performance Of Plant Turnaround Maintenance In Large Process-Based Industries In Malaysia: A Conceptual Framework	Zulkipli Ghazali, Mohammed Halib, Shahrina Md Nordin and Maznah Che Ghazali	ICPER 2008 – "International Conference on Plant Equipment and Reliability – ICPER 2008", 27 – 29 Mar 2008	Selangor, Malaysia
Bridging The Gap Between Teaching Styles And Students' Learning Styles In A Second Language Classroom	Dr Shahrina Bt Md Nordin, Subarna Sivapalan and Ena Bhattacharyya	MICELT International Conference, UPM, 12 – 14 May 2008	Seremban, Negeri Sembilan
Students' Perceptions Of The Importance Of Presentation Skills To Succeed In The Workplace	Ena Bhattacharyya, Shahrina Bt Md Nordin and Subarna Sivapalan	MICELT International Conference, UPM, 12 – 14 May 2008	Seremban, Negeri Sembilan
Voices Of Ardent Readers: One In Concert	Chong Su Li and Sumathi Renganathan	English Language and Multiple Literacies, MELTA, 5 – 6 Jun 2008	Kota Kinabalu, Sabah

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Developing Appreciation For Reading Through Young Adult Literature	Subarna Sivapalan, Hairuzila Idrus, Ena Bhattacharyya and Shahrina M Nordin	17th MELTA International Conference, 5 – 6 Jun 2008	Kota Kinabalu, Sabah
Effect of Non-Financial Indicators on Management Control System: Malaysian Manufacturing Industry Experience	AP Dr Mohd Yussoff Ibrahim, Daing Nassir Daing Ibrahim and Subramaniam S P	Global Management Accounting Research Symposium, Copenhagen Business School, Michigan State University , and University of New South Wales, 12 – 13 Jun 2008	University of New South Wales, Australia
Syed Hussein Alatas And Colonial Knowledge: Their Relevance To Malay Intellectual History	Prof Dr Ahmad Murad Mohd and Noor Merican	International Communication and Media Conference [iCOME 08], 14 – 16 Jun2008	Kuala Lumpur
The Use Of English As The Medium of Instruction: Issues And Challenges In A Private Technical University	Chong Su Li and Dr Sumathi Renganathan	International Conference "Language Issues in English-medium Universities: A Global Concern", University of Hong Kong, 18 – 20 Jun2008	University of Hong Kong
Penggunaan E-Learning Dalam Pengajaran Pendidikan Islam: Pengalaman Di UTP	Muhammad Pisol B Mat Isa, Mashitah Bt Sabdin and Shakirah Bt Mohd Taib	Wacana Pendidikan Islam Peringkat Kebangsaan Siri ke 6, 25 – 26 Jul 2008	Kuching, Sarawak
Penerimaan Pelajar Melayu Terhadap Penggunaan Bahasa Inggeris Sebagai Pengantar Dalam Pengajaran Subjek Pengajian Islam Di IPTS: Satu Kajian Faktor	Mohd Nuri Al-Amin Endut, Zulqarnain Abu Bakar and Hairuzila Idrus	Wacana Pendidikan Islam Peringkat Kebangsaan Siri ke 6, 25 – 26 Jul 2008	Kuching, Sarawak
Orientalism, The Reportage Of Religion And Journalism Education: Expanding The Space In The Dialogue Of Civilizations	Prof Dr Ahmad Murad Mohd Noor Merican	The Representation of Islam And Muslims In The Media, 29 – 30 Jul 2008	Putra World Trade Centre, Kuala Lumpur
Perceptions Of Young Adult Learners On The Inclusion Of Literature In The Tertiary English Language Classroom	Subarna Sivapalan	2008 Asia TEFL International Conference: "Globalizing Asi: The Role of ELT, 1 – 3 Aug 2008	Bali, Indonesia
Issues on Small Business Enterprise of Orang Asli Aborigines in Pahang, Malaysia	Abu Bakar Sedek Bin Abdul Jamak, A J Md Eusof and Subarna Sivapalan	5th International Conference on Small and Medium Sized Enterprises: Management-Marketing-Economics Aspects, Athens Institute For Education And Research, 11 – 14 Aug 2008	Athens, Greece
Critical Thinking and Tertiary Level Management Education: A Domain and Task Approach	Alan Giffin Downe, Aznur Hajar Abdullah (MMU) and Jessica Sze-Yin Ho (MMU)	4th International Conference on University Learning and Teaching, 20 – 21 Oct 2008	UiTM, Shah Alam
Formalization And Centralization In The Organisation Of Turnaround Maintenance Among Power Plants In Peninsular Malaysia	Zulkipli Ghazali, Assoc Prof Dr Mohammed Halib and Dr Shahrina Mohd Nordin	International Conference on Business & Management Education (ICBME), 17 – 20 Nov 2008	Bangkok, Thailand
The Development of A Corporate Governance Index Using Internal Control Mechanisim: A UK Study	Dr Satirenjit K Johl (UTP), Prof Alistair Bruce (University of Nottingham, UK) and Prof Martin Binks (The University of Nottingham, UK)	Conference on Applied Business and Entrepreneurship, 16 – 20 Nov 2008	Applied Business and Entrepreneurship Association International (ABEAI), USA

The events, activities and achievements listed cover those from January 2008 to March 2009.

Paper Presentations and Conferences

Title of Paper	Author (s)	Conference	Venue
Syariah Points of View on Direct and Indirect Costs in Murabahah	Muhammad Pisol B Mat Isa, M Yusof Ibrahim and Hezlina Bt M Hashim	Islamic Banking and Finance Conference, 19 – 20 Nov 2008	University of Melbourne, Australia
Rusty Bolts and Broken Valves: A Study on the Plant Technology, Size, and Organisational Structure of Plant Turnaround Maintenance in Malaysian Process-Based Industries	Zulkipli Ghazali, Assoc Prof Dr Mohammed Halib and Dr Shahrina Mohd Nordin	9th International Business Research Conference 2008, 24 – 26 Nov 2008	Melbourne, Australia
Product, Process or Genre? The Dilemma of Second Language Writing Teachers In A Higher Learning Institution	Shahrina M Nordin, Mohammed Halib and Zulkipli Ghazali	7th Annual Worldwide Forum on Education and Culture, 4 – 5 Dec 2008	Rome, Italy
Going West?: Culture and the Emerging Management Styles Among Executives in a Malaysian Liquified Natural Gas Plant	Mohammed Halib, Rohani Salleh and Zulkipli Ghazali	The 3rd International Borneo Business Conference (IBBC) 2008, 15 – 17 Dec 2008	Kota Kinabalu, Sabah
The Islamic Concept of Critical Thinking	Mohd Nuri Al-Amin bin Endut	International Seminar on Research in Islamic Studies 2008, 17 – 18 Dec 2008	UM, Kuala Lumpur
Investigating the Social Practices and the Use of Languages in a Multilingual and Multiethnic Context: A Case Study of some International Undergraduate Students	Helene Girard, Sumathi Renganathan and Chong Su Li	Hawaii International Conference on Education, 4 – 7 Jan 2009	Honolulu, Hawaii, USA
Perceived Self-efficacy of Future Engineers in their Oral Communication Ability in English	Hairuzila Idrus, Dr Rohani Salleh and Muhammad Ridhuan Tony Lim Abdullah	Hawaii International Conference on Education, 4 – 7 Jan 2009	Honolulu, Hawaii, USA
Internship Students' Workplace Communication Skills: Workplace Practices And University Preparation	Ena Bhattacharyya, Shahrina M Nordin and Rohani Salleh	Conference For Industry And Education Collaboration (CIEC), 4 – 6 Feb 200	Orlando, Florida, USA
Raising The Level Of Communication	Donald Maalik Bennett	Regional Conference on Humanities, 18 – 19 Feb 2009	UTP
A Study on the Level of Ethics of Final Year Engineering and Technology Students at a Malaysian Higher Learning Institution	Khalidah Khalid Ali, Rohani Salleh and Mashitah Sabdin	Regional Conference on Humanities, 18 – 19 Feb 2009	UTP
Level of Business Acumen of UTP Interns – Students' vs. Supervisors' Perspectives	M Yussoff B Ibrahim, Khalidah Bt Khalid Ali and Zainal Ambri Abdul Karim	Regional Conference on Humanities, 18 – 19 Feb 2009	UTP
Quality Of Information Supplied To Board Of Directors: A Case Study On A Higher Learning Institution	M Yussoff B Ibrahim, Azrai B Hj Abdullah, Khalidah Bt Khalid Ali and Abu Bakar Sedek Abdul Jamak	Regional Conference on Humanities, 18 – 19 Feb 2009	UTP
The Writing Strategies Used By Engineering Esl Malay Learners	Muhammad Ridhuan Tony Lim Abdullah	Conference for Academic Disciplines, 23 – 26 Mar 2009	University of Nevada Las Vegas, USA

Research & Development

In cultivating research & innovation culture amongst the academic fraternity, the University has actively participated in various exhibitions and competitions locally and abroad. The following is a listing of the University's achievements in various R & D exhibitions and competitions.

R & D Exhibitions and Competitions

Malaysia Technology Expo 2008 (MTE 2008) – Kuala Lumpur

Invention (s)	Inventor (s)	Achievements
Sludge Digestion Using Nozjet	Associate Professor Dr Shamsul Rahman M Kutty	1 Bronze
Sludge Bricks	Associate Professor Dr Shamsul Rahman M Kutty	1 Bronze
Video Mining for Intruder Detection	Dr Vijanth Sagayan Asirvadam	1 Bronze
A Signal Detection System to Uphold Exam Integrity	Associate Professor Dr Balbir Singh	1 Bronze
In-car Maintenance System	Eliza Mazmee	1 Bronze
Solar Cooker	Azman Zainuddin	–

19th Malaysia International Invention, Innovation and Technology Exhibition 2008 (ITEX 2008) – Kuala Lumpur

Invention (s)	Inventor (s)	Achievements
Greenphylic Water Soluble Degradable Plastics	Professor Dr Ramiah Jegatheesan	1 Gold • ITEX 2008 Best Invention for Universities/Research Institutions • WIPO Best Invention • KASS Best Invention
Fuzzy Decision Support System to Diagnose Heart Problem by RST (CAD-RFDSS)	Professor Dr PA Venkatachalam	1 Silver
STETH-ECG Stethoscope- Electro Cardio Gram	Professor Dr PA Venkatachalam	1 Silver
Motorcycles' Parking Security System	Associate Professor Dr Abdallah Belal	1 Silver
Observing ECG (Cardiac Signal) Using 2-D Grayscale	Dr Vijanth Sagayan Asirvadam	1 Silver
A Signal Detection System to Uphold Exam Integrity	Associate Professor Dr Balbir Singh	1 Silver
Domestic Gas Monitoring Device	Dr Afza Bt Shafie	1 Silver
A Portable Augmented Reality Science Laboratory	Dr Dayang Rohaya Awang Rambli	1 Silver
3D Spatial Sensor	Low Tan Jung	1 Silver
Blind Echolocation using Ultrasonic Sensors	Izzatdin B A Aziz	1 Silver
Moving Vehicle Accident Protection System	Professor Dr PA Venkatachalam	1 Bronze
Video Mining for Extracting Human Activity	Dr Vijanth Sagayan Asirvadam	1 Bronze
Structural Performance of Adhesive Joints in Steel Construction Subjected to Curing at Different Temperature	Associate Professor Dr Nasir Shafiq	1 Bronze

R & D Exhibitions and Competitions

19th Malaysia International Invention, Innovation and Technology Exhibition 2008 (ITEX 2008) – Kuala Lumpur

Invention (s)	Inventor (s)	Achievements
Title Synthesis and Characterization of Modified Polymer for EOR (Enhance Oil Recovery)	Associate Professor Dr Isa Mohd Tan	1 Bronze
Performance of CFRP for Flexural Strengthening of Fly Ash Based Concrete Beams	Associate Professor Dr Nasir Shafiq	1 Bronze
Development of Ultra High Strength Concrete with Economic Values	Associate Professor Ir Dr M Fadhil Nuruddin	–
New and Direct Approach in Synthesizing of Graphitic Nanofibres for Hydrogen Storage Application	Associate Professor Dr Suzana Yusup & Suriati Bt Sufian	–
Integrated Patients Management System Using RFID-MedTag	Azizuddin B A Aziz	–

Invention & New Product Exposition 2008 (INPEX 2008) – Pittsburgh, USA

Invention (s)	Inventor (s)	Achievements
STETH-ECG (Stethoscope-ElectroCardioGram) & Fuzzy Decision Support System to Diagnose Heart Problem by RST (Cad-RFDSS)	Professor Dr Paruvachi Ammasai Venkatachalam	1 Gold - Electrical & Electronic category 1 Silver – Computer Software category 1 Gold –Health & Fitness category 1 Silver – Specialised Technology category • Special Award: Lifetime Achievement Award
Synthesis and Characterization of Modified Polymer for EOR (Enhance Oil Recovery)	Associate Professor Dr Isa Mohd Tan	1 Gold – Industrial Equipment category
Direct Route of Synthesizing Graphitic Nanofibers	Associate Professor Dr Suzana Binti Yusup	1 Gold – Chemical category 1 Gold – Manufacturing category
Video Mining for Extracting Human Activity	Dr Vijanth Sagayan Asirvadam	1 Silver – Computer Software category 1 Bronze – Safety & Security category
Free Space Points Detector (FSPD)	Low Tan Jung	–

Innova Eureka Energy 2008 – Brussels, Belgium

Invention (s)	Inventor (s)	Achievements
HARSH-Concrete	Associate Professor Ir Dr Muhd Fadhil Nuruddin & Associate Professor Dr Nasir Shafiq	1 Gold with Mention • Special Award for Sustainable Development by INNOVA 2008 • Prize of Dirk Van Mechelen, Ministry of the Flamish Government for Finance and Budget
ECO PLAST	Professor Dr Ramiah Jegatheesan	1 Gold
C-TRACK	Dr Mohd Naufal Mohd Saad	1 Gold
ULUBE-Concrete	Associate Professor Dr Nasir Shafiq	1 Silver

The events, activities and achievements listed cover those from January 2008 to March 2009.

R & D Exhibitions and Competitions

Malaysia Technology Expo 2009 (MTE 2009) – Kuala Lumpur

Invention (s)	Inventor (s)	Achievements
HARSH – Concrete	Associate Professor Ir Dr M Fadhil Nuruddin	1 Silver
Great Graphitic Nanofibers	Suriati Sufian	1 Silver
C-TRACK	Dr M Naufal M Saad	1 Silver
Energy from Wasted Flue Gases	Associate Professor Dr Hussain Al-Kayiem	1 Silver
ADHASICONN	Associate Professor Dr Nasir Shafiq	1 Bronze
ECO PLAST	Professor Dr Ramiah Jegatheesan	1 Bronze
Integrity Course Profile System (ICPS)	Yew Kwang Hooi	1 Bronze
Correfied Briquette: Torrefied Spent Coffee As a Sustainable Solid Fuel	Mohd Tazli Azizan	1 Bronze
MUSSCLE wheelbarrow	Dr Victor Rivera Macam Jr.	1 Bronze
A2 Gas Detector	Elias Abllah	1 Bronze

Research Projects

Project Title	Project Leader
Synergetic Effect of Fe304 and Mnfe204 Biphasic Nanocatalysts as the Driving Force for Higher Ammonia Yield	AP Dr Noorhana Yahya
Development of Iron and Cobalt Nanocatalysts for the Fischer-Tropsch Reaction	AP Dr Noor Asmawati M Zabidi
Biologically Inspired Middleware and Theory Formulation for Self-Healing Ubiquitous Systems	Dr Azween Abdullah
Biologically Inspired Protocol Specification Language for Securing Hybrod Mobile Ad Hoc Networks	Dr Azween Abdullah
Computerised System for Monitoring and Scoring of Psoriasis Area & Severity Index (PASI)	Prof Ir Dr Ahmad Fadzil M Hani
Corrosion Prediction in High CO2 Environment	Ir Dr Mokhtar Che Ismail
Development of Nano Ti02 Dye Sensitized Solar Cell (DSSC)	AP Dr Norani Muti Mohamed
Computer Modelling of Virtual Solar Cells	Dr M Nordin Zakaria
Synthesis of Carbon Nanotubes for Low Friction Lubricants	AP Dr Norani Muti Mohamed
Development of Biomass Catalytic Gasification System for Sustainable Biohydrogen Product	AP Dr Suzana Yusup
Asphaltene Precipitation Prediction Model APPM Project	AP Dr Isa M Tan
Advanced Oxidation Processes to Enhance Biodegradability of High Strength Wastewaters	AP Dr Shamsul Rahman M Kutty
Malay Attitudes Towards The West: Engaging Malay Thought on European Civilisation & Modernity in Constructing Self, Nation & Identity	Prof Dr A Murad M Noor Merican
Eastern Perspectives of Western Discourses of the East	Prof Dr A Murad M Noor Merican
South East Asia Carbonate Laboratory	Prof Dr Bernard J Pierson
Enhanced Oil Recovery	Prof Dr Birol M Demiral
The Organisation and Management of Plant Turnaround Maintenance in PETRONAS Gas Berhad (PGB)	AP Dr Mohammed Halib

Consultancy Projects

Project Title	Clients	UTP Consultants
Assesment of Pre-Selection Programme (PSP)	PETRONAS Dagangan Berhad	Dr Rohani Salleh, Amzairi Amar, Khalidah Khalid Ali, M Radzi Zainol, Zulqarnain Abu Bakar, Haryanni Harun
X-Ray Diffractrometer (XRD) Characterization	Multimedia University	AP Dr Faiz Ahmad
VLSI Synthesis IC Design	Emerald System	Lo Hai Hiung
Provision of Design and Development of An Alternative Wet Gas Dehydration Prototype for Replacement of the Existing Glycol Dehydration System at Offshore Platform for PETRONAS Carigali Sdn Bhd – Sarawak Operations (PCSB-SKO)	PETRONAS Carigali Sdn Bhd (PCSB)	AP Dr Fakhruldin M Hashim, AP Dr Azmi M Shariff, AP Dr A Rashid A Aziz, AP Ir Dr M Amin A Majid, Dr Lau Kok Keong, M Tazli Azizan, Mior Azman Meor Said
Treatability Study of Waste Water	MTBE Malaysia Sdn Bhd	Putri Nazrul Faizura, AP Ir Abdul Aziz Omar, Dr Shamsul Rahman A Kutty, Norazimah Abdul Aziz
Provision of Qualitative Data Analysis for PETRONAS Tracking Survey (PTS) 2008	Change Management Unit, PETRONAS	AP Dr Mohammed Halib, Dr Shahrina Md. Nordin, Zulkipli Ghazali
Automotive Gas Emission Test	Biofuel Sdn Bhd	AP Dr Chalilullah Rangkuti
Signal Integrity Measurement Techniques for High Speed Digital Circuit	Dream Catcher Consulting Sdn Bhd	Dr Lee Sheng Chyan
Siasatan Berkaitan Aduan 32/2007 Yang Melibatkan Pembinaan Perumahan Teres 2 Tingkat di Taman Medan Pusing, Batu Gajah, Perak	Badan Pencegah Rasuah Perak	AP Ir Dr Muhd Fadhil Nuruddin
Development of an In-Situ Underwater Repair Method for Live Risers and Pipelines Using FRP Wrap and Sleeve	Corro-Shield (M) Sdn Bhd	AP Ir Dr Muhd Fadhil Nuruddin & AP Dr Nasir Shafiq, AP Dr Madzlan Napiah, Dr Victor Rivera Macam, Imtias-Amir Bahauddin, Johan Ariff Mohamed, Meor Asniwan Meo Ghazali
Point Load Test	SMEC (M) Sdn Bhd	Imtias-Amir B Bahauddin
Corrosion Inhibitor Performance Tests	AMTech Chemical Sdn Bhd	Ir Dr Mokhtar B Che Ismail
Anak Perak Java Training For Secondary Schools 2008	KPerak Implementation and Coordination Corporation	Izzatdin Abd Aziz
The Development of PDB's Optimization and Scheduling Tool for Petroleum Products Distribution – Secondary Distribution	PETRONAS Dagangan Berhad	AP Ir Dr M Amin A Majid, Ir Masdi Muhammad, Norlaili Amir, Ainul Akmar Mokhtar
Tensile Shear And Compression Test	Resqtec Zumro Asia Sdn Bhd	AP Dr Fakhruldin M Hashim
SKG16: Advance Simulation Including Dynamic, L3	Institut Teknologi Petroleum PETRONAS (INSTEP)	UTP Property Management and Maintenance Department
Advance Distillation Course	PETRONAS GTS	UTP Property Management and Maintenance Department
Online Harmonic Monitoring	PETRONAS Carigali Sdn Bhd (PCSB)	AP Dr RN Mukerjee and Ir Perumal
Provision of Consultancy Service to Undertake the Development of Course Material for Skill Group 11 (Civil, Structural and Pipeline) Skill Group Development Programme (SGDP) Level 1 and Level 2	Petroliam Nasional Berhad (PETRONAS)	AP Ir Dr M Fadhil Nuruddin, AP Dr Kurian V. John, AP Dr Narayanan Sambu Potty, AP Dr Arazi Idrus, AP Dr Nasir Shafiq, Syed Baharom Azahar B Syed Osman, AP Dr Indra Sati Hamonangan Harahaq, Dr Victor Rivera Macam, AP Ir Dr M Amin A Majid, Dr Azmi B Abdul Wahab, AP Dr Mokhtar Bin Awang

The events, activities and achievements listed cover those from January 2008 to March 2009.

Consultancy Projects

Project Title	Clients	UTP Consultants
Khidmat Nasihat Kepakaran Berhubung Siasatan Kejadian Struktur Bumbung Runtuh Projek Arena Square Teluk Intan	Jabatan Keselamatan dan Kesihatan Pekerjaan Perak	AP Ir Dr M Fadhil Nuruddin, AP Ir Dr Arazi Idrus, Dr Victor Macam Jr
Emerson Fieldbus Host System Training	SKG14	AP Dr Nordin Saad
Remedial Works For Slope Failure At Universiti Teknologi PETRONAS	Universiti Teknologi PETRONAS	AP Ir Dr M Fadhil Nuruddin, AP Dr Indra Sati Hamonangan Harahaq, AP Dr Abd Nassir Matori, AP Dr Nasiman Sapari, Dr Rezaur Rahman Bhuiyan, Niraku Rosmawati Bt. Ahmad, Kalaikumar a/l Vallyutham
A Study On The Removal Of Heavy Metals	BP PETRONAS Acetyls Sdn Bhd	AP Dr T Murugesan, AP Dr Mohd Ibrahim Abd Mutalib, Dr Murni Melati
Investigation of Rockfall Risks from Limestone Hills in Lots PT195199 and 41396 in Hulu Kinta, Perak	Superboom Projects Sdn. Bhd	Dr Chow Weng Sum, Prof. Dr Bernard Pierson
Foxboro Fieldbus Training	SKG14	AP Dr Nordin Saad
Water and Wastewater Minimization Modeling Study	PETRONAS Penapisan (Melaka) Sdn. Bhd	Khor Cheng Seong
Scratch Test	Universiti Teknikal Malaysia Melaka	Ir Masdi Muhammad
Failure Analysis of Camfilfarr Plastic Tray	CamfilFarr Malaysia Sdn Bhd	Ir Dr Mokhtar Che Ismail
Offshore Structures	Open to Public	M Mubarak A Wahab
Yokogawa Fieldbus Training	SKG14	AP Dr Nordin Saad
SKG13: Generating System, Level 2	Institut Teknologi Petroleum PETRONAS (INSTEP)	Ir N Perumal & AP Dr R.N Mukerjee
SKG16: Advance Simulation Including Dynamics	Institut Teknologi Petroleum PETRONAS (INSTEP)	Dr Ku Zilati Ku Shaari
Failure Analysis Of PMO PL24 Corroded Pipeline	PETRONAS GTS	Ir Dr Mokhtar Che Ismail
KR2B Xylene Loop Energy Study	PETRONAS Penapisan (Terengganu) Sdn Bhd	Dr Shuhaimi Mahadzir
Investigation into the Degradation Behavior of Polymer-Based Samples	PETRONAS PBU	Dr Puteri Sri Melor
Honeywell Fieldbus Training	SKG14	AP Dr Nordin Saad
Process Integration, Reliability, Availability and Maintainability in the Process Industries	Open to Public	Dr Shuhaimi Mahadzir
Energy-Dispersive X-Ray Spectroscopy (Edx) Characterization for Postgraduate Research Project	Multimedia University	AP Dr Faiz Ahmad
Offshore Platforms for Petroleum Exploration	Open to Public	M Mubarak A Wahab
Process Control Intermediate Level	Institut Teknologi Petroleum PETRONAS (INSTEP)	Ir Dr Abdul Halim Shah Maulud
Energy-Dispersive X-Ray Spectroscopy (Edx) & Thermogravimetric (TGA) Characterization for Postgraduate Research Project	Multimedia University	AP Dr Faiz Ahmad

Student Achievements and Activities

The University's mission of producing well rounded graduates who are creative and innovative with the potential to become leaders of industry and the nation is realised through a variety of Student Development Programmes and Co-Curricular Activities. The following is the listing of Students Achievements and Activities that promote our students' versatility and well-roundedness:

Student Achievements

Activites	Date	Venue	Organiser/Host	Achievement
Tuanku Abdul Rahman Award	5 Feb 08	Sime Darby Convention Centre	Yayasan Tuanku Abdul Rahman	Mohd Fairuz b Azman, the recipient of Tunku Abdul Rahman Award graduated in August 2007 with a Bachelor of Engineering, Mechanical Engineering (First Class). walked away with a certificate, gold medal and RM3000 cash saving sponsored by Permodalan Nasional Berhad (PNB).
"Pencak Silat" Championship	26-30 Mar 08	Multimedia University, Cyberjaya	Multimedia University, Cyberjaya	2nd Runner up
Inter Higher Learning Institutions Malay Language Forum	28-30 Mar 08	Universiti Malaya, Kuala Lumpur	Universiti Malaya	Champion
National Intellectual Property Day 2008 (Invention category)	27 Apr 08	Kuala Lumpur Convention Centre	Malaysia Intellectual Property Organisation (MYIPO) & Hosted by Ministry of Internal Trading & Consumers Affairs	1st Runner up
National Competition in Engineering & Innovation 2008: Floating Tower Competition	11-12 June 08	Universiti Teknologi MARA, Shah Alam	Faculty of Civil Engineering, Universiti Teknologi MARA, Shah Alam	Champion
Students In Free Enterprise (SIFE) SHELL Competition (Project for a Better World Competition 2008)	20 June 08	SHELL Headquarters Office, Wisma Chase Perdana, Kuala Lumpur	Student In Free Enterprise (SIFE SHELL Malaysia)	Champion
Students In Free Enterprise (SIFE) National Competition	22-24 June 08	Quality Hotel, Shah Alam	Student In Free Enterprise (SIFE) Malaysia	Champion (Also awarded the SIFE Spirit Award)
Inter Higher Learning Institutions Environmental Debate	July 08	Universiti Malaysia Sabah,	Jabatan Alam Sekitar/Majlis Debat Universiti Malaysia/ Universiti Malaysia Sabah	2nd Runner up
Karnival Sukan Harapan (peringkat Institusi Pengajian Tinggi Zon Utara)	18-19 July 08	The Asian Institute of Medicine, Science and Technology (AIMST) University, Kedah	Ministry of Higher Education	Champion
HEP IPTS Friendship Games 2008	26 July 08	Multimedia University, Cyberjaya	Secretariat of HEP – IPTS	3 gold, 5 silver & 2 bronze
Peraduan Membaca Puisi Pelbagai Kaum (peringkat Zon Utara)	3-4 Aug 08	Universiti Utara Malaysia, Kedah	Dewan Bahasa & Pustaka and Universiti Utara Malaysia	2nd Runner up

Student Achievements

Activites	Date	Venue	Organiser/Host	Achievement
Inter Higher Learning Institutions Quranic Recitation	4-6 Aug 08	Universiti Pendidikan Sultan Idris, Perak	Universiti Pendidikan Sultan Idris, Jabatan Kemajuan Islam Malaysia and Jabatan Agama Islam Perak	Champion (Qariah category)
National Varsity Chinese Debate	8-24 Aug 08	Universiti Malaya, Kuala Lumpur	Chinese Society of Universiti Malaya	1st Runner up
"Kejohanan Pencak Silat" Universiti Tun Hussien Onn	13-16 Aug 08	Universiti Tun Hussien Onn, Johor	Universiti Tun Hussien Onn	3 bronze
Universiti Teknologi MARA iHACK Competition 2008	15 - 17 Aug 08	Universiti Teknologi MARA, Shah Alam	Universiti Teknologi MARA, Shah Alam	Champion
Inter Higher Learning Institutions 'Debat Kemerdekaan'	21-25 Aug 08	Universiti Malaysia Terengganu	Arkib Negara, Majlis Debat Universiti Malaysia and Universiti Malaysia Terengganu	Champion
"Kejohanan Rakan Wajadiri Terbuka" Universiti Teknologi Malaysia	10-12 Oct 08	Universiti Teknologi Malaysia, Johor	Universiti Teknologi Malaysia	2 bronze
"Kejuaraan Pencak Silat & Jemputan Piala Seri Bistara" Universiti Pendidikan Sultan Idris	16-19 Oct 08	Universiti Pendidikan Sultan Idris, Perak	Universiti Pendidikan Sultan Idris Perak	1 silver & 2 bronze
Universiti Malaya Drama Festival	19 Oct 08	Universiti Malaya	Universiti Malaya	Champion
Student awarded the "Darjah Kebesaran Semangat Jerai" (ASK)	16 Feb 09			Mohd Alwi Mohd Nadzir, 3rd year, Electrical and Electronic Engineering student, received the award from DYMM Sultan Kedah for representing the Kedah Rugby team in winning the "Piala Agong" tournament

The events, activities and achievements listed cover those from January 2008 to March 2009.

Student Activities

Activites	Date	Venue	Organiser/Host
Old Village Sports Carnival	7-8 Feb 08	UTP	Residential College Support Unit
English Camp at SK Jenalik	7 Feb 08	UTP	Residential College Support Unit
Village 5 Futsal Fiesta	18-22 Feb 08	UTP	Residential College Support Unit
Health, Safety & Environment Week	21 Feb-1 Mac 08	UTP	Residential College Support Unit
Village 3 Sports Day	28 Feb-1 Mac 08	UTP	Residential College Support Unit
Heart for Islam	Feb 08	UTP	Mosque Administration Unit & "Rakan Masjid"
Village 4 Open Day & Games Carnival	14-15 Mac 08	UTP	Residential College Support Unit
Society of Petroleum Engineers (SPE) – Oil & Gas Symposium	16-17 Mac 09	UTP	UTP Society of Petroleum Engineers (SPE)
Sports & Co-curriculum Appreciation Night	18 Mac 08	UTP	Sports & Co-curriculum Unit, Student Support Services
Chinese Musical Orchestra Performance	22 Mac 08	National University of Singapore	National University of Singapore
Titian Budi 09	22-28 Mac 09	Rembau, N. Sembilan	Student Activities Unit, Student Support Services
A Day with Kids of "Sekolah Kebangsaan Jati"	28 Mac 08	UTP	Residential College Support Unit
Technology, Economy & Career Week	4-5 Apr 09	UTP	Career Guidance & Alumni Unit, Student Support Services
Festival of Colours of the World 2008	5 Apr 08	UTP	Cultural & Arts Unit, Student Support Services
"Titian Budi" 2008	23-27 Apr 08	Kuala Langat, Selangor	Student Activities Unit, Student Support Services
PETROSAINS –UTP Science Communication Programme	8-28 Jun 08	PETROSAINS, KLCC	PETROSAINS and International Students Unit, Student Support Services, UTP
RES'Q programme	30 Jul 08	UTP	Counselling & Development Unit, Student Support Services
Series of Development & Leadership Programmes • Event Management Skills • Student Representative Council visit to Hanoi • Leadership programme for student leaders • Music Theraphy Programme • Leadership programme for foundation students	Aug – Oct 08	 UTP Hanoi, Vietnam Cameron Highland UTP Pangkor Island	Counselling & Development Unit, Student Support Services
Outdoor Carnival 2008	1-3 Aug 08	UTP	Sports & Co-curriculum Unit, Student Support Services
Minggu Apresiasi Seni & Sanjungan 08	4-9 Aug 08	UTP	Student Activities Unit, Student Support Services
CASFUMAL – Career Summit for Future Malaysian Leaders 2008	12-13 Aug 08	Pan Pacific KLIA Hotel	Career Guidance & Alumni Unit, Student Support Services

Student Activities

Activites	Date	Venue	Organiser/Host
Series of Academic Enhancement Programmes • Design Your Destiny • Study Skills Workshop with Adam Khoo • Academic Development with Deanz Consultants • Academic Enhancement Skills • Talk by Profesor Madya Shatar Shabran • IMPRESS – High Achievers Programme	Aug – Oct 08	UTP	Counselling & Development Unit, Student Support Services Department
Convofair 2008	24-26 Aug 08	UTP	Student Support Services Department
Career Placement Week	Aug – Nov 08	UTP	Career Guidance & Alumni Unit, Student Support Services Department
Series of Career Talks, Job Interview & Workshop	Aug – Nov 08	UTP	Career Guidance & Alumni Unit, Student Support Services Department
Residential College Mission Outreach (RECMO)	11-14 Sep 08	Arau, Perlis	Residential College Support Unit
Kembara Sufi	11 Oct 08	UTP	Mosque Administration Unit & "Rakan Masjid"
"Bantuan Bencana Alam" – Felcra Nasaruddin	11 Oct 08	Felcra Nasaruddin, Changkat Sodang	Mosque Administration Unit & "Rakan Masjid"
Sharing Session – "What Bible Said About Prophet" by Kamaruzzaman Naseb	19 Oct 08	UTP	Mosque Administration Unit & "Rakan Masjid"
Amanat Tenaga Pendidik "Remaja & Hiburan" – Ustaz Pisol Isa	22 Oct 08	UTP	Mosque Administration Unit & "Rakan Masjid"
Sharing Session –"Quran & Bible the Scientific Comparision" by Kamaruzzaman Naseb	26 Oct 08	UTP	Mosque Administration Unit & "Rakan Masjid"
Turun Padang – "Cinta Remaja" by Mohd Hakim Mohd Nor	27 Oct 08	UTP	Mosque Administration Unit & "Rakan Masjid"
Turun Padang"Cinta Menggoda Nafsu Membara" Mohd Hakim Mohd Nor	28 Oct 08	UTP	Mosque Administration Unit & "Rakan Masjid"
Educational Visit to Thailand	30 Oct 08	Trans Thai-Malaysia & Prince of Songkhla University	Student Activities Unit, Student Support Services
Mission Awareness Programme (MAP)	5 Dec 08	Kampung Trong, Perak	International Students Unit, Student Support Services
"Rakan Muda Wawasan IPT"	5 Dec 08	Simultaneously held at Pengkalan Hulu, Kuala Kangsar, Sungai Siput and Lenggong, Perak	Ministry of Youth & Sports in collaboration with the "Secretariat Rakan Muda" of UTP

The events, activities and achievements listed cover those from January 2008 to March 2009.

Student Activities

Activites	Date	Venue	Organiser/Host
Forum "Heart for Islam" Campaign 2009 "Peranan Mahasiswa Dalam Menjana Kecemerlangan Ummah"	3 Feb 09	UTP	Mosque Administration Unit & "Rakan Masjid"
"Kem Penghayatan Islam"	7-8 Feb 09	UTP	Mosque Administration Unit & "Rakan Masjid"
The Festival of Colours of the World (FESCO) 2009	12 -14 Feb 09	UTP	UTP Cultural & Arts Unit, Student Support Services
"Sanggar Seni Khat"	14 Feb 09	UTP	Mosque Administration Unit & "Rakan Masjid"
Intervarsity Concrete Frisbee Competition 2009 (ICFC09)	14 – 15 Mar 09	UTP	Civil Engineering Student's Society (UCITY)
Forum "Ke Mana Arah Cintaku"	13 Feb 09	UTP	Mosque Administration Unit & "Rakan Masjid"
"Bengkel Penulisan Khat Islam"	15 Feb 09	UTP	Mosque Administration Unit & "Rakan Masjid"
"Pemilihan Daie Cilik" (PIDACIL)	18 Feb 09	UTP	Mosque Administration Unit & "Rakan Masjid"
H4i Campus Run	22 Feb 09	UTP	Mosque Administration Unit & "Rakan Masjid"
Ihtifal Azan	27 Feb 09	UTP	Mosque Administration Unit & "Rakan Masjid"
Islamic Oratory	28 Feb 09	UTP	Mosque Administration Unit & "Rakan Masjid"
"Kursus Pengurusan Jenazah"	28 Feb 09	UTP	Mosque Administration Unit & "Rakan Masjid"
Quran Memorisation Contest	2 Mar 09	UTP	Mosque Administration Unit & "Rakan Masjid"
Islamica Discussion – McDonalisation of Knowledge vs Islamisation of Knowledge	2 Mar 09	UTP	Mosque Administration Unit & "Rakan Masjid"
Interschool Nasyid Competition	7 Mar 09	UTP	Mosque Administration Unit & "Rakan Masjid"
"Kursus Falak Syarie Perak"	7-8 Mar 09	UTP	Mosque Administration Unit & "Rakan Masjid"
Halal Forum & Expo	13 Mar 09	UTP	Mosque Administration Unit & "Rakan Masjid"
"Malam Inspirasi Seni" & Inter-Varsity Nasyid Competition	14 Mar 09	UTP	Mosque Administration Unit & "Rakan Masjid"
Titian Budi 2009	22 -28 Mar 09	Kampung Sungai Timun, Rembau, Negeri Sembilan	Student Activities Unit, Student Support Services

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