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Theme:

Globalising Innovation for Sustainable Transformation

The primary objectives of MUiCET 2011 are:-

1. To provide a platform for researchers from MTUN to share and disseminate their research findings.
2. To provide a forum for sharing of innovative ideas and expertise among MTUN researchers, local and international experts in the fields of science, engineering and technology.
3. To strengthen existing network as well as to pave the way for fruitful future collaborations among participants and institutions.
4. To encourage and nurture research culture amongst budding researchers in the local and global arena.
5. To cultivate and promote research innovation for sustainable transformation through global discourse.



MESSAGE FROM

Y.B. DATO' SERI HISHAMUDDIN BIN TUN HUSSEIN

Minister of Home Affairs

Minister Mentor of UTHM

Assalamualaikum Warahmatullahi Taala Wabarakatuh and greetings,

First and foremost, allow me to record my deepest appreciation for the honor accorded to me to convey a few words in this foreword in conjunction with MUiCET 2011, an annually held event which is organized, this year, by Universiti Tun Hussein Onn Malaysia (UTHM) in collaboration with the Malaysian Technical Universities Network (MTUN).

I believe that this event will promote the agenda of research and innovation in the institutions of higher learning in Malaysia especially among MTUN members and also become a good platform to facilitate the sharing of ideas derived from research efforts.

The government has always been supportive of efforts to produce research and innovation that benefits the country's economic progress and harmony without neglecting the importance of sustainable development. Thus, Institutions of Higher Learning and research agencies that are established by the government have an important role in playing a more proactive role in implementing this effort.

I sincerely hope that MUiCET 2011 will be able to encourage further collaborations among MTUN members in realizing efforts to bring forward the ideas derived from research and innovation to an international level and hence to create a more sustainable form of development.

Thank you.



MESSAGE FROM

Y.B. DATUK WIRA ABU SEMAN BIN YUSOP

Deputy Minister of Home Affairs

Official Representative of Minister Mentor of UTHM

Assalamualaikum Warahmatullahi Taala Wabarakatuh and greetings,

I would like to thank the organizers for giving me the opportunity to convey a few words in this foreword.

It is hoped that MUICET 2011 will become the best platform to improve the cooperation among the Malaysian Technical Universities Network (MTUN) members which are Universiti Tun Hussein Onn Malaysia (UTHM), Universiti Teknikal Malaysia Melaka (UTeM), Universiti Malaysia Pahang (UMP) and Universiti Malaysia Perlis (UniMAP).

Aside from that, this conference will hope to bring further opportunities for participants to share ideas relating to their research and thus assist Malaysia in achieving progress in the field of engineering and technology without neglecting sustainable development.

Thank you.



MESSAGE FROM

PROF. DATO' DR. MOHD NOH BIN DALIMIN

Vice Chancellor

Universiti Tun Hussein Onn Malaysia

Assalamualaikum Warahmatullahi Wabarakatuh dan Greetings,

Alhamdulillah, UTHM has been given the honor to organize this year's MUiCET 2011 with the collaboration of the Malaysian Technical Universities Network (MTUN).

On behalf of UTHM, I would like to take this opportunity to welcome all participants to the *2011 Malaysian Technical Universities International Conference on Engineering and Technology (MUiCET 2011)* that consists of participants from within the country and abroad.

It is hoped that through the organizing of MUiCET 2011, cooperation in the field of research and innovation will be further developed among the members of the Malaysian Technical Universities Network (MTUN) which are Universiti Tun Hussein Onn Malaysia (UTHM), Universiti Teknikal Malaysia Melaka (UTeM), Universiti Malaysia Pahang (UMP) and Universiti Malaysia Perlis (UniMAP).

It is also hoped that MUiCET 2011 will become a platform to further improve the capability of MTUN in the field of science, engineering and technology which will help realize the formation of the MTUN Centre of Excellence that will contribute to the sustainable development of Malaysia.

In addition, for this year, the organizers have worked extensively to invite several keynote speakers from abroad and invite participants from Institutions of Higher Learning and research agencies from within the country as well as from abroad to help take this conference to the international level and to encourage the research collaboration of MTUN to a higher level.

The theme for this year 'Globalizing Innovation for Sustainable Transformation' was selected to bring forward innovation to the global stage as a way to create sustainable transformation.

Lastly, I would like to take this opportunity to express my deepest gratitude to the Mentor Minister of UTHM, MTUN members and to those who have worked hard to make MUiCET 2011 a success.

Thank you.



MESSAGE FROM

PROF. DATUK DR. AHMAD YUSOFF BIN HASSAN

Vice Chancellor

Universiti Teknikal Malaysia Melaka

Assalamualaikum WBT and Salam Sejahtera,

Our warmest greetings and welcome to all speakers and participants of the 5th Malaysian Technical Universities International Conference on Engineering and Technology 2011 (MUiCET 2011). Alhamdulillah, the Malaysian Technical Universities Network (MTUN) has strategically provided a platform for the sharing of knowledge and expertise in their areas of research and innovation. I applaud the four respective universities, namely Universiti Tun Hussein Onn Malaysia (UTHM), Universiti Malaysia Pahang (UMP), Universiti Malaysia Perlis (UniMAP) and Universiti Teknikal Malaysia Melaka (UTeM) for taking the initiative to bring about this symbiotic relationship which combines the expertise and strengths of MTUN in order to create research and innovation impact.

This year, the conference theme is 'Globalising Innovation for Sustainable Development'. Malaysia's transformation to a High Income Nation requires strategic and multiple efforts from the MTUN in order to attract the attention of Industrial partners, government link companies (GLC) and multinational companies (MNC) as well as SMEs. These smart partnerships will help in accelerating the Research, Development and Commercialization (R&D&C) activities, thus sustaining the economic growth of the nation in today's world of intense competition.

The creation of wealth in Malaysia to a great extent rests on the professional engineers who are technically competent in their approach of technology. It is my sincere hope that this conference would not only be mutually beneficial to all parties but also would facilitate global collaboration particularly in the areas of research and innovation.

Thank you.



MESSAGE FROM

BRIG. GEN. DATO' PROF. DR. KAMARUDIN HUSSIN

Vice Chancellor

Universiti Malaysia Perlis

Bismillahirrahmanirrahim

Assalamualaikum Warahmatullahi Wabarakatuh and Salam 1Malaysia

Alhamdulillah and all praise be to Allah for giving another opportunity to Universiti Tun Hussein Onn Malaysia to be the host for 5th Malaysian Technical Universities International Conference on Engineering and Technology (MUICET) 2011.

Allow me to take this opportunity to thank everyone involved for I owe a debt of gratitude to the committee for the hard work which made this a feasible project.

MUICET involves four technical universities in Malaysia not only in the form of conferences, it is also a field for the researchers to demonstrate the most up-to-date and latest innovations.

I hope, this will be the platform for the researchers to share and collaborate in generating new ideas and improving the creation of new products for commercial purposes; thus increases the growth of the national economy.

Therefore, let us take this opportunity to work together to produce something that will benefit the whole community. Last but not least, "Instill in our mind that today's invention is tomorrow's technologies".

Thank you.



MESSAGE FROM

PROFESOR DATO' DR. DAING NASIR BIN IBRAHIM
Vice Chancellor
Universiti Malaysia Pahang

Assalamualaikum Warahmatullahi Wabarakatuh and greetings,

First and foremost, on behalf of Universiti Malaysia Pahang, I would like to congratulate Universiti Tun Hussein Onn Malaysia (UTHM) for organizing this year's *Malaysian Technical Universities International Conference on Engineering and Technology 2011* (MUiCET 2011). The continuous organizing of this conference clearly shows the hard work and effort of the members under the *Malaysian Technical Universities Network* (MTUN).

With the theme '*Globalizing Innovation for Sustainable Transformation*', this year's conference will witness a difference in the organizing of MUiCET where participants from abroad are also invited to participate aside from the participation on the national level which includes research papers from MTUN members.

This initiative illustrates the balance in the success and the maturity in the organizing of this conference. Besides that, this conference is also a platform to help put forward the publication of the MTUN Journal which has compiled various researches in the course of MUiCET 2011 to an international level. Through this initiative, it is hoped that there will be greater opportunity for MTUN members to collaborate and form intellectual networks with participants from institutions from abroad to improve the quality of research and its publication in this country.

Lastly, it is hoped that this conference will be fully utilized by all participants to share information pertaining to research among MTUN members and non-members. May the objective of this conference be achieved and thus improve the quality of research and publication in the country in general and specifically among MTUN researchers.

Thank you.



MESSAGE FROM

PROF. DR. RUGAYAH BT MOHAMED

Deputy Vice Chancellor (Research and Innovation)
Universiti Tun Hussein Onn Malaysia

Salam & Greetings,

On behalf of the organizing committee, I wish to express my profound appreciation to everyone who has worked extremely hard to make MUiCET 2011 a great success. MUiCET 2011 is a showcase of sincere collaboration and teamwork by the Malaysian Technical Universities Network (MTUN) comprising UTHM, UTeM, UNIMAP and UMP. As we boldly dwell in the 21st century, this 5th MUiCET is the perfect springboard to launch MTUN research and innovation to greater heights and respond positively to the dynamic nature of globalisation.

This flagship event of the year highlights the timely theme on *Globalising Innovation for Sustainable Transformation*. In line with Malaysia's transformation towards innovation led-knowledge economy, MUiCET 2011 provides precious input for transforming innovative minds and secures an incredible opportunity for networking and professional growth. As we step boldly into the second decade of the century, the 2011 IIA International Conference is the perfect springboard to launch the profession to greater heights and respond positively to the dynamic nature of business today.

I am truly honoured and grateful to all keynote speakers who have accepted our invitation to be here with us to impart their knowledge and expertise despite their busy schedules. In addition, I would also like to take this opportunity to thank the organizing committee for their utmost dedication and commitment to make MUiCET 2011 a wonderful and memorable intellectual journey.

Thank you.

BIODATA OF KEYNOTE SPEAKER

Global Innovation with Sustainable Materials: The Diverse Benefits of Wood as a Renewable Building Material



Professor Dr. Andy Buchanan
University of Canterbury, New Zealand

Abstract

This paper investigates the diverse benefits of wood as a renewable building material, showing that the world's forestry resources have a major role to play in the global movement towards a sustainable future and a wood-based economy. It is becoming clear that continued investment in sustainable forestry is good for global climate, and for the health and wealth of nations, especially those countries with extensive forestry resources. The more trees we plant, and grow to maturity, and harvest, and use widely, and replant for future forests, the better for a huge range of stakeholders. All these activities are necessary for sustainable future. There are a huge number of inter-related benefits, including more forested land which acts as a carbon sink, a steady supply of many renewable items including carbon-neutral building materials, and a perpetual source of biomass fuel. This paper will explore opportunities for innovation in the forest industries, the wood processing industries, the energy industries, and the global building industry, with an emphasis on reducing the use of non-renewable energy for benefits to the global climate. The paper will also show how structural wood can be used to resist multiple hazards such as fires and earthquakes, with special reference to the recent earthquake damage in New Zealand.

Biography of the Keynote Speaker

Dr Andy Buchanan is Professor of Timber Design at the University of Canterbury, Christchurch, New Zealand. He received his Ph.D. degree from the University of British Columbia, Canada in 1984. He is a Distinguished Fellow of Institution of Professional Engineers New Zealand, IPENZ. He is past President of the New Zealand Timber Design Society, and currently Research Director of the Structural Timber Innovation Company Ltd. He has published many papers in the field of seismic engineering, fire engineering and sustainability of timber structures, for over 20 years. He is the author of *Structural Design for Fire Safety* (John Wiley & Sons, 2001) and the *Timber Design Guide* (NZ Timber Industry Federation, 2007). Since the September 2010 and February 2011 Christchurch earthquakes, he has co-authored reports and given many presentations on the earthquake, especially the performance of houses and engineered timber buildings, and re-building a sustainable Christchurch in structural timber.

Globalizing Technology for Future Sustainable Society



Professor Dr. Yoshiharu Mutoh
Nagaoka University of Technology, Japan

Abstract

Development of new technologies related to environment, energy, life as well as any other fields for sustainable future society becomes a main issue in each country. In the current globalizing world, environment, energy and life problems have been also globalized. Therefore, new technologies should be also globalized, otherwise we cannot solve these problems. Another important point of globalizing technology would be as follows: innovation is a key for sustainable future society. Isolated technology has a limit for creating new ideas and values, while combined and fused technologies between different fields and different countries with different culture can lead to innovation. In the present lecture, importance of globalizing technology for innovation and sustainable society will be explained and examples of globalizing technology will be introduced.

Biography of the Keynote Speaker

Dr. Yoshiharu Mutoh is currently Executive Director and Vice President of Nagaoka University of Technology. He was awarded Doctor Degree from Osaka University in 1976. He has organized more than ten international conferences. He is a member of International Editorial Advisory Board for five international journals. He has been received more than ten awards, including Best Paper Award from Literati Club, UK and One of the most cited articles from International Journal of Fatigue. He has been published more than 380 international journal papers and thirteen books in the field of Mechanical and Materials Engineering.

From a Lip Service to a Serious Endeavour: Integration of the natural and human sciences in Malaysia



*Distinguished Professor Datuk Dr. Shamsul Amri bin Baharuddin
Universiti Kebangsaan Malaysia*

Abstract

Discussion on ‘creativity and innovation’ in Malaysia, like the way we talk of ‘technology’, we are referring to a very narrow understanding and meaning of these terms framed within the highly conservative technical notion of ‘science and technology,’ a field only for natural scientists. The ‘*jumudization*’ process begun as early as during the European Industrial Revolution in the 18th century where the terms ‘technology, creativity and innovation’ have been ‘scientificated’ as if they were the natural properties of natural science. The subject in the field of humanities, called archeology, has proven that the Neanderthal man has already invented technologies of sorts to survive, using to the utmost their talents of creativity and innovation, a few thousand years before the Industrial Revolution. The ‘hijacking’ of these terms by the natural science in 19th century has its own history, embedded in European imperialism and colonialism, which resulted in an arbitrary and artificial divide constructed to separate the natural and human sciences according to colonial knowledge framework. Indeed, it has led to the marginalization of the human sciences (social sciences and humanities) in most societies around the world, including in Malaysia. But, lately, Malaysia is taking a few but significant corrective steps towards integrating natural sciences and humanities. This presentation shall elaborate on these recent efforts.

Biography of the Keynote Speaker

Datuk Dr. Shamsul Amri Baharuddin (BA, MA Malaya; PhD, Monash) is Distinguished Professor of Social Anthropology, UKM and currently Founding Director, Institute of Ethnic Studies (KITA), UKM. He is also the Deputy Chair, National Council of Professors, Malaysia. He has been with the university since 1976, researching, teaching and lecturing around the world on “politics, economic development and culture” with an empirical focus on Southeast Asia. However, he has also been a keen observer of the hegemonic evolution and history of the natural sciences as the tool of European-initiated Industrial Revolution that took the world by storm, which it still is today. He has published extensively. For his outstanding international academic contribution, he was awarded the prestigious Academic Prize, Fukuoka Cultural Award in 2008, only the second recipient from Malaysia, after Royal Professor Ungku Aziz. He has also been consulted frequently by local and international mass media on current affairs in Malaysia (AlJazeera, BBC, Radio Australia, National Geographic and the like).

SCHEDULE OF MUIcET 2011

14 November 2011 (Monday)

Time	Programme	Venue
08.00 am	Registration of Participants	Hotel Katerina Lobby
09.00 am	Keynote 1 : Prof. Dr. Andy Buchanan Title : Global Innovation With Sustainable Materials : The Diverse Benefits of Wood as a Renewable Building Material	Grand Ball Room, Room 1, 2, 3 & 4
10.00 am	Tea break & Poster Presentation	Grand Ball Room, Room 1, 2, 3 & 4
11.00 am	Opening Ceremony	Grand Ball Room
12.30 pm	Lunch	Grand Ball Room, Room 1, 2, 3 & 4
2.15 pm	Keynote 2 : Prof. Dr. Yushiharu MUTOH Title : Globalizing Technology for Future Sustainable Society	Grand Ball Room
3.15 pm	Paper Presentation	Grand Ball Room, Room 1, 2, 3 & 4
5.15 pm	Tea break & Poster Presentation	Grand Ball Room, Room 1, 2, 3 & 4
6.00 pm	Tour to Batu Pahat / Ayer Hitam (Optional)	
10.00 am - 06.00 pm	Research and Innovation Products Exhibition	The Square One Shopping Mall

15 November 2011 (Tuesday)

Time	Programme	Venue
8.30 am	Paper Presentation	Grand Ball Room, Room 1, 2, 3 & 4
10.00 am	Tea break & Poster Presentation	Grand Ball Room, Room 1, 2, 3 & 4
10.30 am	Keynote 3 : Y.Bhg. Distinguished Professor Datuk Dr. Shamsul Amri bin Baharuddin (Shamsul A.B) Title : From a Lip Service to a Serious Endeavour: Integration of the natural and human sciences in Malaysia	Grand Ball Room
11.30 am	Paper Presentation	Grand Ball Room, Room 1, 2, 3 & 4
1.00 pm	Lunch	
2.00 pm	Paper Presentation	Grand Ball Room, Room 1, 2, 3 & 4
5.30 pm	Tea break & Poster Presentation	Grand Ball Room, Room 1, 2, 3 & 4
10.00 am - 06.00 pm	Research and Innovation Products Exhibition	The Square One Shopping Mall
8.00 pm - 10.30 pm	Dinner and Award Presentations	Grand Ball Room

TENTATIVE PROGRAMME
OPENING CEREMONY
14 November 2011/ Katerina Hotel, Batu Pahat, Johor

- | | | |
|----------|---|---|
| 10.45 am | - | The arrival of Invited Guests |
| 10.50 am | - | The arrival of Y.Bhg. Prof. Dato' Dr. Mohd Noh bin Dalimin
Vice Chancellor Universiti Tun Hussein Onn Malaysia |
| 10.55 am | - | The arrival of Y.B. Datuk Wira Abu Seman bin Yusop
Deputy Minister of Home Affairs
Official Representative of Minister Mentor of UTHM |
| 11.00 am | - | National Anthem 'Negaraku' |
| | - | Recitation of Doa |
| | - | Speech by Y.Bhg. Prof. Dato' Dr. Mohd Noh bin Dalimin
Vice Chancellor Universiti Tun Hussein Onn Malaysia |
| | - | Speech by Y.B. Datuk Wira Abu Seman bin Yusop
Deputy Minister of Home Affairs
Official Representative of Y.B. Minister of Home Affairs
as Minister-Mentor UTHM |
| | - | Opening ceremony |
| 12.00 pm | - | End of Session |

CLUSTERS FOR MUI CET 2011

Cluster	Sub-Cluster
Mechanical and Manufacturing Engineering	Product Design, Engineering Material, Structural Integrity, Reverse Engineering and Rapid Prototyping, Advanced Processing, Design for Manufacturing and Assembly, CAD/CAM/CAE, Green Technology, Ergonomic Design, Automotive Engineering, Aeronautic Engineering
Electronic and Electrical Engineering	Optoelectronic, Microelectronics, Mechatronics, Robotics and Industrial Automation, Microwave Engineering, Computer Engineering, Broadband and Multimedia Communication, Embedded System, Electronic Instrumentation, Consumer Electronics, Energy and Power System
Civil and Chemical Engineering	Chemical Engineering, Bio-Process Engineering, Biotechnology, Environmental, Geotechnical, Building and Construction, Transportation, Structures and Material, Timber Engineering, Earthquake Engineering, Fire Engineering, Composite Structures, Forensic and Rehabilitation
Information and Communication Technology	Software Engineering, Multimedia, Management Information System, Computational Intelligent, Networking, Soft Computing and Other related disciplines
Social Science and Technology Management	Social Science, Technical and Vocational Education, Knowledge Management, Technology Management, Innovation Management, Business and Entrepreneurship Management
Science	Biology, Chemistry, Physics, Mathematics

SCHEDULE OF ORAL PRESENTATIONS

14 November 2011 (Monday)

Location : Grand Ball Room, Level 2, Katerina Hotel

Time	Title	Authors	Paper ID
03.15 pm	Modified Activated Carbon for Optimum DNP Removal	Huzairy Hasan	CCE/UniMAP/001
03.35 pm	Various Relationships for Saturated Pressure and Temperature of Refrigerants	Marwan affandi and Normahira Mamat	CCE/UniMAP/002
03.55 pm	Column study On Removal Of Chemical Oxygen Demand, Ammoniacal Nitrogen And Turbidity Using Mixed Media From Landfill Leachate	Norlia binti Mohamad Ibrahim	CCE/UniMAP/004
04.15 pm	Elemental Characterization Of PM2.5 And PM2.5-10 Particulate Matter in Kuala Lumpur	Sara Yasina Binti Yusuf	CCE/UniMAP/005
04.35 pm	Characterization Of Physico-Chemical Method in Preparation Of Copper Nanofluids	Dr. Reddy Prasad	CCE/UMP/006

14 November 2011 (Monday)

Location : Room 1, Level 2, Katerina Hotel

Time	Title	Authors	Paper ID
03.15 pm	Malaysian Secondary School Student's Use of Phrasal Verbs vs. One-word Verbs	Faharol Zubir	STM/UniMAP/001
03.35 pm	Komunikasi Dalaman Sebagai Faktor yang Menyumbang Kepada Kepuasan Kerja	Mohammad Rezal Hamzah	STM/UniMAP/002
03.55 pm	Factors Influencing Students Performance in The Principles of Accounting Course for The Programme of International Business and Engineering Entrepreneurship	Ku Amir Ku Daud	STM/UniMAP/004
04.15 pm	Prototyping A Kano – QFD Integration	Nur Syuhadah Kamaruddin	STM/UniMAP/005
04.35 pm	The Concept of Entrepreneurial Universities in Malaysia for Regional and National Socio – Economic Transformation	Tengku Suriani Tengku Yaakob	STM/UniMAP/006

14 November 2011 (Monday)

Location : Room 2, Level 2, Katerina Hotel

Time	Title	Authors	Paper ID
03.15 pm	The Modeling of Adaptive Neck Support System for Economy Class Aircraft Seat	Dr. Ir. Tan Chee Fai	MME/UTeM/001
03.35 pm	Mechanical Properties of SBR/NBR Blends in presence of ENR 50 as a compatibilizer	Dr. Nik Nuriman Zukepli	MME/UniMAP/002
03.55 pm	Stress Analysis of Different Sportsman Artificial Leg	M.R.M Sofian, A.G.M Aiman	MME/UniMAP/004
04.15 pm	Validation of Vibration Level in Automotive Flexible Wiper System	Mohd Azli Bin Salim	MME/UTeM/005
04.35 pm	Effect of Solution Heat Treatment of Fracture Toughness of Magnesium Alloy	Mohd Ahadlin Mohd Daud	MME/UTeM/006

14 November 2011 (Monday)

Location : Room 3, Level 2, Katerina Hotel

Time	Title	Authors	Paper ID
03.15 pm	Rational Design of Molecular Imprinting Polymer based on AM1 Semi empirical Study of Allopurinol-Methacrylic Acids Interactions	Iqmal Tahir	SC/UniMAP/001
03.35 pm	Stochastic Motion of Adherent Mammalian Eukaryotic Cells on Peg Functionalised Surfaces	Mukhzeer Mohammad Shahimin	SC/UniMAP/002
03.55 pm	Transformation of Neill Mapping Function for GPS Tropospheric Delay	Dr Hamzah bin Sakidin	SC/UTeM/004
04.15 pm	Novel Pectinases Production by Thermomyces Lanuginous Using Dual Growth Temperatures	Dr Essam A.Makky	SC/UMP/005
04.35 pm	Electrochemical Study Of Grapheme And Its Oxidized Form	Dr. Chong Kwok Feng	SC/UMP/006

14 November 2011 (Monday)

Location : Room 4, Level 2, Katerina Hotel

Time	Title	Authors	Paper ID
03.15 pm	Eddy current Loss in the Three Phase 100kVA Transformer Core with the Mix 60°-0 °T-Joint Core	Dina M.M Ahmad, I. Daut, S.Zakaria @ Abdullah	EEE/UniMAP/001
03.35 pm	Even Harmonic due to DC Bias on Single Phase Power Transformer	Syafuruddin Hassan, Ismail daut, Soib Taib, T.M Nizar , Risnidar Chan	EEE/UniMAP/002
03.55 pm	Design of Residue Amplifier in Data Converter Application	Mohd Fairus Ahmad	EEE/UniMAP/004
04.15 pm	Electrical Characterization for Simulation of Junction Field Effect Transistor (JFET)	Norhayati Sabani	EEE/UniMAP/005
04.35 pm	Performance Evaluation Of Multipath Fading Channel	Naseer Sabri salim, Prof. Dr. Syed Alwee Aljunid Syed Junid, Assoc Prof. Dr.R. Badlishah Ahmad, Dr. Mohd Fareq Malek, Dr. Abid Yahya, Mr. Muhammed Sabri Salim	EEE/UniMAP/006

15 November 2011 (Tuesday)

Location : Grand Ball Room, Level 2, Katerina Hotel

Time	Title	Authors	Paper ID
08.30 am	Electrocoagulation of Palm Oil Mill Effluent Using Aluminium Electrodes	Nur Adila Ab. Aziz and Zawawi Daud	CCE/UTHM/010
08.50 am	Geophysical Method In Civil Engineering Application	A. Mohd Hazreek Bin Zainal Abidin, Rosli Bin Saad and Fauziah Binti Ahmad, Devapriya Chitral Wijeyesekera, Mohamad Faizal Bin Tajul Baharudin	CCE/UTHM/011
09.10 am	Lagrangian Block Advection for Flood Waves	L.W. Tan and V.H.Chu	CCE/UTHM/012
09.30 am	Treatment of Landfill Leachate through Electrocoagulation	Izat Yahya and Zawawi Daud	CCE/UTHM/013
09.50 am	Digital Filtering based Pre-processing of Electrocardiogram (ECG) Signals for Human Emotion Recognition	Jeritta S, M Murugappan, R Nagarajan and Khaiunizam Wan	ICT/UniMAP/001
11.35 am	Empirical Investigation of Distributed Edge Detection Parallelism using Open MPI	Md. Mostafijur Rahman, Mr.Mohd Ariffudin Mohd Isa, Assoc Prof Dr. R. Badlishah Ahmad	ICT/UniMAP/002
11.55 pm	A Chaotic Neural Network Based Encryption Algorithm for MPEG-2 Encoded Video Signal	Tariq Adnan Fadi, Dr.Shahrul Nizam Yaakob, Assoc Prof. Dr.R. Badlishah Ahmad, Dr. Abid Yahya	ICT/UniMAP/003
12.15 pm	A New Malware Attack Pattern Generalization	Robiah binti Yusof	ICT/UTeM/004
12.35 pm	A markovian Approach to Determine Optimal Means for SME Production Process	Abd Samad Hasan Basari	ICT/UTeM/005

15 November 2011 (Tuesday)

Location : Room 1, Level 2, Katerina Hotel

Time	Title	Authors	Paper ID
08.30 am	Innovation Process: A review Of Existing Models And Development Of An Alternative Model	Suziyana Binti Mat Dahan	STM/UMP/010
08.50 am	Suspension Of works Against Non-Payment In Construction Industry : Highlighting Possible Legal Issue Based On PAM 2006	Lee Chia Kuang	STM/UMP/011
09.10 am	Modeling Of High Efficiency miniature Aero cyclone	Dr Jolius Gimbut	STM/UMP/012
09.30 am	A Framework For Investigating The Role Of Affect In Cognitive Development In Engineering Education	Tahira Anwar Lashari, Maizam Bt Alias, Zainal Abidin B Akasah	STM/UTHM/013
09.50 am	Internet Customer Relationship Management (e-CRM) Usage in Small Companies and Its Relationship with Business Performance	Ng Kim Soon	STM/UTHM/014
11.35 am	Minimizing the Risks of Investing Corporate Properties in Kenya	Ahmed Abukar Sheikh and Rozilah Kasim	STM/UTHM/015
11.55 pm	Critical thinking Skills Among Final Year Students of Malaysian Technical Universities	Aziz Yahya	STM/UTeM/007
12.15 pm	Strategic technology Alliances, Technology Transfer and The Performance of Malaysian Manufactures	Dr. Juhaini jabar (FPTT)	STM/UTeM/008
12.35 pm	Factors Influencing Cash Flow Deficiency Among SMEs Melaka	Isma Addi Jumbri	STM/UTeM/009
02.00 pm	The Analysis of The Writing Performance Among Different Levels Of Proficiency Of Undergraduates At UniMAP	Ahmad Hifzurrahman Ridzuan	STM/UniMAP/003
02.20 pm	Using Video Games and Detect dyslexia Symptoms	Younes Saadi, et. al.	ICT/UTHM/010
02.40 pm	Adapting Traceability in Digital Forensic Investigation Process	Siti Rahayu binti Selamat	ICT/UTeM/006
03.00 pm	Perception of Social Behavioral and Visual Realism of Virtual Character Using Wifi-based Tracking Device	Ahmad Shaarizan Shaarani	ICT/UTeM/007
03.20 pm	Artificial Bee Colony Algorithm for Predicting Tsunami Intensity	Habib Shah, Rozaida Ghazali, and Nazri Mohd Nawawi	ICT/UTHM/008
03.40 pm	Predicting Noise-Induced Hearing Loss (NIHL) and Hearing Deterioration Index (HDI) in Malaysian Industrial Workers using GDAM Algorithm	M. Z. Rehman, N. M. Nawawi and M. I. Ghazali	ICT/UTHM/009
04.00 pm	The Usability of 3D Interactive Navigation in Communicating Interior Space Lighting	Hafez bin Zainudin	ICT/External/005
04.20 pm	Nafion-stabilized pT Nanoparticles and The Effect Of Pt Distribution On The Electrochemical Redution Of Oxygen	Dr. Md Maksudur Rahman Khan	CCE/UMP/007
04.40 pm	Effect Of substrate Concentration And Agitation Rate Of Butanol Production from Palm Oil Mill Effluent (POME) Using Clostridium Beijerinckii	Shariza Binti Jamek	CCE/UMP/008
05.00 pm	Prediction of Road Accidents at Unsignalized Intersection Using Multiple Regression Method	Mohd Erwan Sanik, Ismail Yusof and Wan Nadiyah Wan Manan	CCE/UTHM/009
05.20 pm	Review Paper: Comparison And Analysis Of Catalysts For MSW Pyrolysis and Gasification	Khairuddin Md Isa	CCE/UniMAP/03

15 November 2011 (Tuesday)

Location : Room 2, Level 2, Katerina Hotel

Time	Title	Authors	Paper ID
08.30 am	Electrodeposited MoTe ₂ Thin Films for Photoelectrochemical (PEC) Cell Applications	Dr. T. Joseph Sahaya Anand	MME/UTeM/010
08.50 am	Selection of Material for Polymer Based Composite Automotive Fender Using Analytical Hierarchy Process	Engr. Dr. Hambali Arep @ Ariff	MME/UTeM/011
09.10 am	Visual Features Based Navigation Method for Indoor Mobile Robot	Dr. Fairul Azni Jafar	MME/UTeM/012
09.30 am	Design and Development of Material Requirement Planning (MRP) Tool for an Electronics Manufacturer	Rohana Abdullah	MME/UTeM/013
09.50 am	Effect Of Crack Size Of Pressurized lamination Pipe By Using Finite Element Analysis	Norhaida binti Abd Razak	MME/UMP/014
11.35 am	Burning Characteristic Of AP Based Solid Propellant In Atmospheric Air And Nitrogen Gas	Amir Bin Aziz	MME/UMP/015
11.55 pm	Analysis Of Swirling Flow In Waste Incinerator Plant For angle Determination	Mohd Fadzil Bin Abdul Rahim	MME/UMP/016
12.15 pm	Improving Safety and Health Management in Manufacturing Sector Towards Sustainable Development	Abdul Mutalib Leman, Khairunnisa A. Rahman, Mohamad Zainal Md. Yusof	MME/UTHM/032
12.35 pm	Artificial Intelligence Model To evaluate surface Roughness Of Ti-5Al-2.5Sn Using Graphite Electrode in EDM	Md Ashikur Rahman Khan	MME/UMP/021
02.00 pm	Comparative Performance and Emissions Study Of Direct Injection Single Cylinder Diesel Engine Using Vegetable Oil	Dr Agung Sudrajad	MME/UMP/022
02.20 pm	A Time - Frequency Localization Analysis Of vibration Data For Bearing Fault Detection	Che Ku Eddy Nizwan Bin Che Ku Husin	MME/UMP/023
02.40 pm	Experimental force Analysis Of The Actuation Part Of The Regenerative Piezoelectric Linear Generator	Prof Dr. Rosli Bin Abu Bakar	MME/UMP/024
03.00 pm	Solution To Stiffness Problem Of A Long Sectional Sheet Metal Product Based On Computer Simulation Analysis	Mohd Zaidi Bin Sidek	MME/UMP/025
03.20 pm	Life Cycle Cost (LCC) Analysis : Hydrogen As An Fuel for Internal Combustion Engine (H ² ICE) The Malaysia Perspective	Halim bin Razali	MME/External/02
03.40 pm	Optimization Of EDM Machining Parameters ON AISI 1020 Carbon Work piece Using Grey Relational Analysis	Mohamed Reza Zalani Bin Mohamed Suffian	MME/UMP/017
04.00 pm	Employing the Micro-Perforated Panel in the Vehicle Cabin : Is This Possible?	Dr. Azma Putra	MME/UTeM/007
04.20 pm	Characterization Study on the Ti-6Al-4V Micro Holes Processed by Electrical Discharge Machining	Dr. Nur IZan Syahriah Hussein	MME/UTeM/008
04.40 pm	STEP-NC Controller - Testing and Commissioning for Open Architecture Control System	Nik Mohd Farid Che Zainal Abidin	MME/UTeM/009
05.00 pm	Mechanical properties, swelling behaviour and dynamic vulcanized low density polyethylene/natural	Tan Soo Jin	MME/UniMAP/003

15 November 2011 (Tuesday)

Location : Room 3, Level 2, Katerina Hotel

Time	Title	Authors	Paper ID
08.30 am	Effect Of exhaust Gas Retention (EGR) On A DI Diesel engine Operating with Palm Methyl Ester (PME)	Dr. Rizalman Mamat	MME/UTHM/026
08.50 am	Comparative Study on Three TVD Schemes Applied for the Case of Supersonic Divergent Nozzle	Bambang Basuno, Hani Masuod Ibrahim and Safiah Binti Othman	MME/UTHM/027
09.10 am	Flow Behaviour on Threshold of Abdominal Aortic Aneurysm rupture	Ishkrizat Taib, M.Syahir Ramlee, Shahrin Hisham Aminordin, Rais Hanizam Madon, Norrizal Mustafa, and M.Faizul Izwan Zulkifli	MME/UTHM/028
09.30 am	Specific Fuel Consumption of A Low Capacity Motorcycle When Fitted With A Retrofit Fuel Injection Kit	Luqman Abdul Rashid, Ahmad Jais Alimin, Mohd Faisal Hushim	MME/UTHM/029
09.50 am	Strategic Research Partnership on Automotive Powertrain & Fuels in Universiti Malaysia Pahang, Universiti Teknikal Malaysia Melaka & Universiti Tun Hussein Onn Malaysia	A.J. Alimin, N. Tamaldin and R. Mamat	MME/UTHM/030
11.35 am	Study On Layer Fabrication for 3D Structures of Photoreactive Polymer Using LCD Projector	Raman, M.F.Ahmad, M. Ibrahim and M. S.Wahab	MME/UTHM/031
11.55 pm	Performance Of Combined Cycle Gas Turbine With Variation Of Cycle Peak Temperature Ratio	Prof. Madya Dr. Mustafizur Rahman	MME/UMP/020
12.15 pm	Effects of Exhaust Gas Recirculation (EGR) on a D1 Diesel Engine Operating With Palm Methyl Ester (PME)	Mohd Hafizil Mat Yasin, Rizalman Mamat, K.V. Sharma, Abdul Adam Abdullah	MME/UMP/026
12.35 pm	Combination Of experimental Data And Computer Prediction Of An Analysis For Optimum Refrigerant Charge Of Mini Bar Refrigerant Charge Of Mini Bar Refrigerator	Mohd Yusof Taib	MME/UMP/019
02.00 pm	Atomic Diffusion In Laser Surface Modified AISI H13 Steel	Dr Syarifah Nur Aqida Syed Ahmad	MME/UMP/018
02.20 pm	Performance Comparison of MIMO-OFDMA Transmission Schemes in Spatially Correlated Subchannels	Rosdiadee Nordin	EEE/External/01

02.40 pm	Utilization of Pre-EDFA In Improving CATV Signals In P2P FTTH : A Malaysian Scenario	Kamarul 'Asyikin bt Mustafa	EEE/External/03
03.00 pm	Validation and Characterization of Makeshift Coaxial to Microstrip Transition	Adil Masoud and Muhammad Amin	EEE/External/04
03.20 pm	Side fed bifilar helix antenna caged in passive Quadrifilar helix structure for wideband terrestrial communication	Sultan Shoab, Waqar A.Shah and M.Amin	EEE/External/06
03.40 pm	Direct Synthesis Of Copper-containing SBA-15 By pH Modification Method And Its Catalytic Activity For N2O Decomposition	Prof Dr. Mohd Ridzuan Nordin	SC/UMP/010
04.00 pm	Preparation Of Chitosan- stabilized metallic nanocatalysts And Its Hydrogenation Of Palm Oil In Aqueous Solution	Wu Li Hua	SC/UMP/007
04.20 pm	Synthesis of Silver Nanoparticles In A Green Chemistry Approach Using Hydroxyethyl Cellulose And Its Antibacterial Activity	Dr Fathima Shahitha Jahir Hussain	SC/UMP/008
04.40 pm	Study On Chemiluminescence of Luminol In Aqueous Calcium Hydroxide Using Potassium Ferricyanide As An Oxidant	Dr Neeta Laxman Lala	SC/UMP/009
05.00 pm	A Preliminary Study – Comparison Between Nizn and Nilzn Ferrite Polymer Composites for Application as Microwave Absorbers	Rohadiana D.N	SC/UniMAP/003

15 November 2011 (Tuesday)

Location : Room 4, Level 2, Katerina Hotel

Time	Title	Authors	Paper ID
08.30 am	Underwater Technology Research Group (UTeRG) Glider for Monitoring and Surveillances Applications	Mohd Shahrieel b. Mohd Aras	EEE/UTeM/010
08.50 am	Design and Development of Mobile Security Robot	Fara Ashikin bt Ali	EEE/UTeM/011
09.10 am	Stand-Alone System to Alleviate Low Power Home Electrical Appliance for Non-Grid Connection Area	Ranjit Singh Sarban Singh	EEE/UTeM/012
09.30 am	Overview – Technology for Fuel Cell Experimentation in Hybrid Electric Vehicle	Farid Arafat Azidin	EEE/UTeM/013
09.50 am	Analysis of Variable Dielectric Substrate Thickness of X-Band Square Patch Reflectarray Antenna	Noor Hafizah Binti Sulaiman and Muhammad Yusof Bin Ismail	EEE/UTHM/014
11.35 am	Development of Air Conditional Route Inspection Robot	Mohamad Falihin Yusoff, Babul Salam KSM Kader Ibrahim, Herdawati Abd Kadir and Haziha Hamzah	EEE/UTHM/015
11.55 pm	Discrete Sliding Mode Control for Inverted Pendulum System	R.Ngadengon,B.S.K.K Ibrahim, Y.M. Sam and J.H.S. Osman	EEE/UTHM/016
12.15 pm	Preliminary Study on the Effects of Microwave Radiation on Action Potentials in Human Arm	Adib Othman1, Mohd Zazar Mohd Jenu	EEE/UTHM/020
12.35 pm	Electric Field Emissions Characterization of A FPGA Chip at Various Positions in A GTEM Cell	King Lee Chua, Mohd Zazar Mohd Jenu, Chee Seong Fong, See Hour Ying	EEE/UTHM/017
02.00 pm	Performance Enhancement of Salisbury Screen Microwave Radar Absorber with High Impedance Surfaces	F. Che Seman, and R. Cahill	EEE/UTHM/018
02.20 pm	Phase Distribution Analysis of Reflectarrays Based on Isotropic and Anisotropic Substrate Materials	A. M. Hashim Dahri and B. M. Yusof Ismail	EEE/UTHM/019
02.40 pm	Slot Elements for Tunable Reflectarray Antenna Design	Muhammad Inam Abbasi and Muhammad Yusof Ismail	EEE/UTHM/021
03.00 pm	Comparison of Effective Doses between Computed Tomography Cardiac Angiography and Conventional Angiography at Pantai Hospital Kuala Lumpur	F.H.A Moin, F.Mohamed & I.Abdul Rahman	EEE/External/08
03.20 pm	Probabilistic Safety Assessment – An Insight for Nuclear Power Plant (NPP) In Malaysia	Firdaus Pozi, SA Afiq Yahya, Faizal Mohamed and Redzuwan Yahaya	EEE/External/07
03.40 pm	A Focusing Inspection Strategy For Recognizing The Presents of An Anomalous	Mohd Nurul Al-Hafiz b. Sha'abani	EEE/UTeM/007
04.00 pm	Linear and Rotary Infrared Scan System for Measuring Circumference	Muhammad Fahmi bin Miskon	EEE/UTeM/008
04.20 pm	Mapping Ambient Temperature Using Flexible Ellipse Shape Region Map	Mohd Hafiz b Taib	EEE/UTeM/009
04.40 pm	Modelling of DC-DC Converter for Hybrid Control Application	A.W.N. Husn, S.F Siraj and M.Z.Ab Muin	EEE/UniMAP/003

LIST OF POSTER PRESENTATIONS

14 November 2011 (10.00 am – 11.00 am)
Foyer Grand Ball Room & Room 1, 2, 3, 4

Bil	Paper ID	Title	Authors
1	ICT/UniMAP/P/01	Bacteria Classification using Color Mapping Technique based on Neural Network Application	Aida Sharmila Wati Wahab
2	ICT/UTeM/P/02	Link Level Performance Study of IEEE 802.15.4	David Yap Fook Weng
3	ICT/UTeM/P/03	Application of Fuzzy Rule-Based Model in Predicting Flank Wear of TiAlN Coating on PVD Magnetron Sputtering Process	Abul Syukor bin Mohamad Jaya
4	ICT/UTeM/P/04	Seamless Access to Cancer Patient's EMR Through Short Message Service and 2D Barcode	Dr. Mohamad Khanapi Abd Ghani
5	ICT/UTeM/P/05	The Enhancement of E-lab Booking System Mobile Based	Othman Mohamad
6	ICT/UTeM/P/06	Condition – based Prognostic Tool for Industrial Equipment Maintenance	Siti Azirah bt Asmai
7	ICT/UMP/P/07	SI'Way: A Swarm Intelligence Based Strategy For Test Data Generation	Prof. Dr Sabira Khatun
8	ICT/UTHM/P/08	A Framework for Traditional Pakistani Musical Instruments Classification System	Saima Anwar Lashari, Rosziati Ibrahim and Norhalina Senan
9	ICT/UTHM/P/08.1	Generic Taxonomy of Social Engineering Attack	Cik Feresa Mohd Foozy, Rabiah Ahmad ,Mohd Faizal Abdollah ,Robiah Yusof and Mohd Zaki Mas'ud
10	ICT/UTHM/P/08.2	Overview of File Carving	Nurul Azma Abdullah, Rosziati Ibrahim and Kamaruddin Malik Mohamad.
11	ICT/UTHM/P/09	Overview of Knowledge Retrieval in Cloud Computing	Noryusliza Abdullah, Rosziati Ibrahim
12	MME/UniMAP/P/01	The Effect of TOR as a compatibilizer on Thermal Analysis and Fatigue	Dr. Nik Nuriman Zukepli
13	MME/UniMAP/P/02	The Effect of Silane Coupling Agent On Mechanical Properties of Coconut	Koay Seong Chun
14	MME/UniMAP/P/03	The Effect of Silane Coupling Agent on Properties of Coconut Shell	Marliza Binti Mostapha@Zakaria
15	MME/UniMAP/P/04	Development of Universal Motorcycle Basket Shield-A Strong shield for Theft Prevention and Safety	Teh Jenn Hooi, shahriman A.B, Khairunizam WAN, siti Khadijah ZA'BA, Muhammad Khairul A.H, Abdul Halim I, Mohd Nasir A, M Safwan M.A
16	MME/UniMAP/P/05	Influence Of Treatment Time On The Corrosion Resistance Of AZ91D Mg alloy By Chemical Conversion Coating	M.Z.M.Zain, N.F.W.M. Sidik, M. N.B. Derman S.Norbahiyah,S.Illias,N.A.Shuuib
17	MME/UniMAP/P/06	Characterization And Corrosion Studies Of Lanthanum-Based Anodic Oxidation Coating On Mg alloy	M.Z.M.Zain, N.F.W.M. Sidik, M. N. B. Derman, Ismail K.A.M.Mat Salleh,H.Azmi
18	MME/UTeM/P/07	A Comparison Study on relationship Between Welding Current and Penetration for Plasma Enhanced Shielded Metal Arc Welding (PESMAW)	Dr. S. Thiru Chitrabalam (FKM)
19	MME/UTeM/P/08	Experimental Investigation on the Effect of Liquid Fill Level in a Container to Liquid Sloshing	Mohd Irwan Mohd Azmi
20	MME/UTeM/P/09	Component Design of a single Seat Educational Race Vehicle	Fudhail Abdul Munir
21	MME/UTeM/P/10	Design of a Stand-alone Solar Photovoltaic Powered Bus Stop	Mohd Afzanizam Mohd Rosli
22	MME/UTeM/P/11	A Study of Fin Thickness and Overall Surface Efficiency of Automotive Thermoelectric Power Generator's Heat Sink – A Theoretical Study	Mohamad Firdaus Sukri
23	MME/UTeM/P/12	Automatic Water Re-Filling	Ahmad Yusairi Bani Hashim (FKP)
24	MME/UTHM/P/18.1	Fiberglass Reinforced Polymer Composite : An Alternative for Domestic Window Panel	M.I. Idris, H. Taib and M. Zulkipli

14 November 2011 (05.15 pm – 06.00 pm)
Foyer Grand Ball Room & Room 1, 2, 3, 4

Bil	Paper ID	Title	Authors
25	MME/UTeM/P/14	Impact Properties of Epoxidized Natural Rubber / Alumina Nanoparticle Composite (ENRAN)	Dr. Noraiham Mohamad
26	MME/UTeM/P/15	Preparation and Characterisation of Activated Carbons from Agricultural Waste Rubber Wood Sawdust Through Three Stages Chemical Activation at Low Activation Temperature and Short Retention Time	Dr. Azizah Shaaban
27	MME/UTeM/P/16	Finite Element Analysis of Plate Structure Excited by Patches of Piezoelectric Actuators	Mohd Najib Ali Mokhtar
28	MME/UTeM/P/17	Simulation of Spline Based NC-Manufacturing of Plastic Optical Components	Nik Syahrim Nik Anwar
29	MME/UMP/P/18	Fluid Flow Analysis Of Portables Furnace Using Liquid Petroleum Gas (LPG)	Cik Anuar Mohamed Yunus
30	MME/UMP/P/19	Characteristics Of Welded Thin sheet AZ31 Magnesium Alloy	Dr Mahadzir Ishak
31	MME/UMP/P/20	Wall Driven Flow Simulation Inside Two Dimensional Inverted L-Shape Cavity	Idris Bin Mat Sahat
32	MME/UMP/P/21	Review On Biomechanics: A Potential Research	Ir. Ahmad Rasdian Ismail
33	MME/UMP/P/22	Effect On Compression Ration On Performance Of Combined Cycle Gas Turbine	Thamir K. Ibrahim
34	MME/UMP/P/23	A Quarter Car Active Suspension System Using State Feedback Controller	Dr Gigih Priyandoko
35	MME/UMP/P/24	Wind Potential At East Coast Malaysia: Preliminary Study At Pekan	Kumaran Kadirgama
36	MME/UMP/P/17	Development Of Virgin Coconut Oil (VCO) Filtration System For Small Scale Industry	Amir Bin Abdul Razak
37	MME/UTeM/P/13	Bluetooth Controlled Stairs Climbing Robot	Syamimi Shamsudin
38	EEE/UniMAP/P/01	Dielectric Modeling of <i>Rhizophora dominica</i> (F.) For Microwave Heat to the Malaysian Paddy	M.Manjur Ahmed, Fareq Malek, E.M Cheng, R.B Ahmad, Mostafijur Rahman
39	EEE/UniMAP/P/02	Effect of Discharge Electrode Pattern to Ozone Production	Noor Ashikin Binti Mohd Razali
40	EEE/UniMAP/P/03	Observer Based Sensor Fault Tolerant For Temperature Control System	Ernie binti Che Mid
41	EEE/UniMAP/P/04	Optimal Allocation of Embedded Generation in Distribution System Utilizing Artificial Bee Colony Algorithm	Mohd Herwan Bin Sulaiman
42	EEE/UniMAP/P/05	Dielectric Properties of SiO ₂ and Best Thin Film	Nur Syakimah Ismail
43	EEE/UniMAP/P/06	Design and Analysis of MEMS Based Micro pumps for Medical Application	Norhayati Sabani
44	EEE/UniMAP/P/07	The Optical Absorption Spectrum of MEH-PPV Films Below CLA Region	Nurjuliana Juhari
45	EEE/UniMAP/P/08	A Real Time Hand Tracking for virtual Object Manipulation	Azri A. Aziz, Khairunizam Wan,Shahriman AB, Siti Khadijah ZA'BA, Abdul Halim Ismail, M.K Ali Hassan, M.Nasir Ayob
46	EEE/UniMAP/P/09	TS-7800 Embedded System based Hypo-Vigilance Detection using EEG Channels	Mousa Kadhim Wali, Dr.M.Murugappan, Assoc.Prof Dr.R.Badlishah Ahmad, Mr.Md Mostafijur Rahman
47	EEE/UniMAP/P/10	Flexible Antenna using Conductive Textiles	Nurul Husna Mohd Rais, Dr.Mohd.Fareq Malek, Mr Soh Ping Jack
48	EEE/UniMAP/P/11	Real-Time Object Detection using Single Board Computer	Nur Farhan Kahar, Mr. Muhammad Syahmi Zainuddin, Assoc Prof Dr R. Badlishah Ahmad

15 November 2011 (10.00 am – 10.30 am)
Foyer Grand Ball Room & Room 1, 2, 3, 4

Bil	Paper ID	Title	Authors
49	EEE/UTeM/P/12	Effect of Reflective Objects of Different Colors to the Output Voltage-Distance Characteristics of Sharp GP2D120 IR Sensor	Mohd Rusdy yaacob
50	EEE/UTeM/P/13	Shape-Based Matching : Application of Defect Detection	Mohamad Haniff bin Harun
51	EEE/UTeM/P/14	Mobile Balancing Robot with Two Heels	Mazree Ibrahim
52	EEE/UTeM/P/15	Modeling of 132kv Overhead Transmission Lines by Using ATP/EMTP for Back-Flashover Pattern Recognition	Nur Zawani Saharudin
53	EEE/UTeM/P/16	Controlling Mobile Robot Via Personal Digital Assistance (PDA)	Ridza Azri Ramlee
54	EEE/UTeM/P/17	The Effect of Electromagnetic Wave of Different Frequencies on Human Skin Cell Using Finite Difference Time Domain (FDTD) Approaches	Mohd Muzafar Ismail
55	EEE/UTeM/P/18	Face Detection Using Probabilistic Neural Network	Khairul Azha A.Aziz (FTK)
56	EEE/UTHM/P/19	ARX Model of Four Types Heat Exchanger Identification	En Tatang Mulyana
57	EEE/UTHM/P/20	Biometric Technique for Future WiMAX Technology	Mohammad Faiz Liew Abdullah
58	EEE/UTHM/P/20.1	Campus Traffic Light Control System using PIC18F4550 Microcontroller	Hairulazwan Hashim, Jiwa Abdullah and Lee Boon Yong
59	EEE/UTHM/P/21	Controlling Home Appliances Via GSM	A. Amran Mohd Zaid , Khairul Hafiz Abd Wahab and Dirman Hanafi
60	EEE/UTHM/P/22	Harmonic Components Suppression Using Active Power Filter	Asmarashid Ponniran, Mohd Aidil Azhar Shahidi, Ariffuddin Joret
61	EEE/UTHM/P/23	MATLAB Implementation on Hybrid Multilayered Perception Neural Network	Ariffuddin Joret, Nor Ashidi Mat Isa, Jiwa Abdullah, Muhammad Faiz Liew Abdullah, Kamal Zuhairi Zamli, Asmarashid Ponniran
62	EEE/UTHM/P/24	Standard Antenna Method to Determine the Antenna Factor of Direct Feed Biconical Antenna	Syarfa Zaherah Sapuan, Ignatius Agung Wibowo, Alireza Kazempour and Mohd Zazar Mohd Jenu1
63	EEE/UTHM/P/25	Wireless Mobile Robot with Live-Feed Video using PIC16F628A Microcontroller	Jiwa Abdullah, Hairulazwan Hashim and Mohd Rizal Khairi
64	STM/UniMAP/P/01	A Concept Paper on Development of Intelligence Business Plan For Agriculture Small Medium Enterprises (SMEA) in Northern Region of Malaysia	Wan Sallha binti Yusoff
65	STM/UniMAP/P/02	Factors Affecting Financial Literacy among employees of Public Institutions of Higher Education in Malaysia	Dayang Hasliza binti Muhd Yusuf
66	STM/UniMAP/P/03	A Comparison Study of Motivation Factor Driving Male and Female Entrepreneurs in Kota Bharu, Kelantan	Azlini binti Hassan
67	STM/UTeM/P/05.1	Personality Characteristics Hampering The New Economic Model	Dr. Ismi Rajiani
68	STM/UMP/P/04	Foundation Of The Collaboration Between Industry In Malaysia And UMP	Jiang Chencheng
69	STM/UTHM/P/05	A Study of Capital Equipment Management in Malaysia Public Universities: Policy and Procedure Overview	En. Yunos Ngadiman, et. al.
70	STM/UTHM/P/06	Enhancement of the Assembly Line by Simulation as an Innovation	Dr. Abdul Talib Bon, et. al.
71	STM/UTHM/P/07	Human Resource Management for Sustainable Microfinance Institution in Nigeria: A Conceptual Paper	A. Maikudi Shew Musawa and Eta Wahab

15 November 2011 (05.00 pm – 06.00 pm)
Foyer Grand Ball Room & Room 1, 2, 3, 4

BIL	PAPER ID	TITLE	AUTHORS
72	STM/UTHM/P/07.1	Impact of Violent Ethno-Religious Conflicts on Residential Property Value Determination in Joss Metropolis of Northern Nigeria: A Review of Related Literature	Aliyu Ahmad Aliyu*, Rozilah Kasim and David Martin
73	CCE/UniMAP/P/01	Efficiency Of Lateritic Soil For The Removal Of Zinc From Wastewater	Nabilah Aminah Binti Lutpi
74	CCE/UniMAP/P/02	Analysis Of Sediment Movement at Sg. Perlis: Deposition Or Erosion	Nur Liza Binti Rahim
75	CCE/UniMAP/P/03	Adsorption Isotherms Onto Activated Carbons Prepared From Sugarcane Biogases	Salwa Binti Mohd Zaini Makhtar
76	CCE/UMP/P/04	Comparison Between Wangsa Maju Water Treatment Plant And Proposed Method Using Moringa Olieifera Seeds Extract	Eman N. Ali
77	CCE/UMP/P/05	Determination Of Heavy Metals In Water And Sediment From Pahang river, Pahang, Malaysia	Nazikussabah Zaharudin
78	CCE/UTHM/P/06	Monsoonal variation in the copepod abundance and diversity of a sea grass ecosystem in Johor, Peninsular Malaysia	Hazel Monica Matias-Peralta ¹ and Fatimah Md. Yusoff ²
79	CCE/UTHM/P/07	Characterization of Municipal Sludge	Pn. Norzila Othman
80	CCE/UTHM/P/08	Greywater and Its applicability to Malaysia. Learning from Perth, Western Australia	RMS Radin Mohamed, A.H.M. Kasim, M.Anda S. Dallas, G.Ho
81	CCE/UTHM/P/09	Landfill Leachate Treatment Performance using Up flow Anaerobic Sludge Blanket (UASB) and Horizontal Subsurface Flow Constructed Wetlands (HSSFCW) on Organics and Nutrient Removal	Firdaus Bin Zawi and Aeslina Abd Kadir
82	CCE/UTHM/P/10	Sediment Transport in Punggor River	Z. Md. Ali and L.W. Tan
83	CCE/UTHM/P/11	The Application of Zero Energy Building Concept In The Malaysia Green Technology Corporation Office Building	Ng Ban Huat, Zainal Abidin bin Akasah
84	CCE/UTHM/P/12	The Treatment of Palm Oil Mill Effluent (POME) Using Electro coagulation Method	Zawawi Daud, Jamilullail Ahmad Taib
85	CCE/UTHM/P/13	Identifying Construction Resources Factors Affecting Construction Cost : Case of	Aftab Hameed Memon, Ismail Abdul Rahman, Ade Asmi

		Johor	Abdul Aziz, Kumarason V. Ravish, Noorn Ikmalah Mohammad Hanas
86	SC/UTeM/P/01	Analysis of Heat Transfer on PCB Current Carrying Conductor using FEM	Mohd Norhisham bin Che Soh (FKE)
87	SC/UMP/P/02	Value-based Performance Excellence Model For Malaysian Technical Universities : On Bayesian Structural Equation Medelling (SEM)	Mohd Rashid Ab Hamid
88	SC/UMP/P/03	Pendidikan Dikalangan Masyarakat Orang Ahli Suku Semoqberi, Kampung Bot-bot, Chenor, Maran, Pahang	Maziah Bt Mohd Sapar
89	MME/UMP/P/19	Solid Fuels from decanter Cake And Other Palm Oil Industry Waste	Prof. Dr. Mohd Ridzuan Nordin
90	ICT/UMP/P/12	Managing Heterogeneous Database Replication Using Persistence Layer Synchronous Replication (PSR) Algorithm In The Distributed Environment	Abul Hashem Beg
91	ICT/UMP/P/11	Mean Information Gain Based Approach For Selecting Clustering Attribute	Qin Hongwu
92	ICT/UMP/P/10	A New Efficient Normal Parameter Reduction Algorithm Of Soft Sets	Ma Xiuqin
93	CCE/UMP/P/14	Comparison Between Predicted And Observed Compreibility Characteristics Of Treated Soil Using Pre-compression And Vertical Drain	Azhani Bt Zukri
94	STM/UMP/P/08	Gender, Academic Rank, Employment Status, University Type And Job Stress Among University Academic Staff: A Comparison Between Malaysia And Indonesia Context	Triantoro Safaria
95	MME/UTHM/P/51	Comparison of Mechanical Properties Between Tapioca Starch and Corn Starch as Fillers in LDPE	N.A. Badarulzaman, S.S. Jikan and N.A.M Noor

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