

CONFERENCE PROGRAMME

June 15, 2010 (Tuesday) - DAY 1		
9.00 – 11.30	OPENING CEREMONY	
11:30-12:00	MORNING BREAK	
12:00-1:0	PLENARY 1 Prof Richard E. Palmer (University of Birmingham,UK) Title: Nanostructured surfaces: organising atoms, nanoparticles and proteins to create functional architectures <i>Session Chairman: Hasnah Mohd Zaid</i>	
1.00 – 2:00	LUNCH	
SESSION 1	Nanotechnology (NN)	Catalyst (CY)
Chairman:	Vladimir Milyavskiy	Ahmad Kompany
Co-Chair:	Mohd Faisal Taha	Cecilia A/P Wilfred
Venue:	TBA	TBA
2:00 – 2:20	FAS-NN-01	FAS-CY-01
2:20 – 2:40	FAS-NN-02	FAS-CY-02
2:40-3:00	FAS-NN-03	FAS-CY-03
3:00-3:20	FAS-NN-04	FAS-CY-04
3:20 – 3:40	FAS-NN-05	FAS-CY-05
3:40-4:00	FAS-NN-06	FAS-CY-06
4:00-4:20	EVENING BREAK & POSTER SESSION 1	
SESSION 2	Mathematics and Statistics (MS)	Applied Science (AS)
Chairman:	Mohamad Khatim Hasan	Ya-Chien Chung
Co-Chair:	Ibrahima Faye	Hanita Daud
Venue:	TBA	TBA
4:20-4:40	FAS-MS-01	FAS-AS-01
4:40-5:00	FAS-MS-02	FAS-AS-02
5:00– 5:20	FAS-MS-03	FAS-AS-03
5:20– 5:40	FAS-MS-04	FAS-AS-04
5:40-6:00	FAS-MS-05	FAS-AS-05
END OF DAY 1		

June 16, 2010 (Wednesday) - DAY 2		
SESSION 3	Mathematics and Statistics (MS)	Applied Sciences (AS)
Chairman:	Mohd Tahir Ismail	Akram M. Zeki
Co-Chair:	Pandian Muniandy Vasant	Marneni Narahari
Venue:	TBA	TBA
8:30-8:50	FAS-MS-06	FAS-AS-06
8:50-9:10	FAS-MS-07	FAS-AS-07
9:10-9:30	FAS-MS-09	FAS-AS-08
9:30-9:50	FAS-MS-10	FAS-AS-09
9:50-10:10	FAS-MS-12	FAS-AS-10
10:10-10:30	FAS-MS-13	FAS-AS-11
10:30-10:50	MORNING BREAK & POSTER SESSION 2	
10:50-11:50	PLENARY 2 Prof. Subbash Bhatia (University Sains Malaysia) Title: Challenges and Recent Advances in Natural Gas-to-Liquid Fuel (GTL) Conversion Technology <i>Session Chairman: Noor Asmawati Mohd Zabidi</i>	
11:50-12:50	PLENARY 3 Prof. LEE Seng Luan (National University of Singapore) Title: B-spline Scale-Space And Continuous Wavelet Transforms <i>Session Chairman: Radzuan Razali</i>	
1:00-2:00	LUNCH	
SESSION 4	Mathematics and Statistics (MS)	Science and Education (SE)
Chairman:	Sharidan Shafie	Durriyah Sharifah Hasan Adli
Co-Chair:	Afza Shafie	Samsul Ariffin Abdul Karim
Venue:	TBA	TBA
2:00-2:20	FAS-MS-14	FAS-SE-01
2:20-2:40	FAS-MS-15	FAS-SE-02
2:40-3:00	FAS-MS-16	FAS-SE-03
3:00-3:20	FAS-MS-17	FAS-SE-04
3:20-3:40	FAS-MS-18	FAS-SE-05
3:40-4:00	FAS-MS-19	FAS-SE-06
4:00-4:20	EVENING BREAK & POSTER SESSION 3	
SESSION 5	Nanotechnology (NN)	Applied Science (AS)
Chairman:	Vahidah Habibpour	Darmawijoyo Hanapi
Co-Chair:	Maizatul Shima Shaharun	John Ojur Dennis
Venue:	TBA	TBA
4:20-4:40	FAS-NN-07	FAS-AS-12
4:40-5:00	FAS-NN-08	FAS-AS-13
5:00-5:20	FAS-NN-09 (withdrawn)	FAS-AS-14
5:20-5:40	FAS-NN-10	FAS-AS-15

5:40-6:00	FAS-NN-11	FAS-AS-17
END OF DAY 2		
June 17, 2010 (Thursday) - DAY 3		
SESSION 6	Science and Education (SE)	Applied Science (AS)
Chairman:	Gilda C. Rivero	P.S. Ong
Co-Chair:	Azizan Zainal Abidin	Mohd Faisal Taha
Venue:	TBA	TBA
8:30-8:50	FAS-SE-07	FAS-AS-19
8:50-9:10	FAS-SE-08	FAS-AS-21
9:10-9:30	FAS-SE-09	FAS-AS-23
9:30-9:50	FAS-SE-10	FAS-AS-24
9:50-10:10	FAS-SE-11	FAS-AS-31
10:10-10:30	FAS-SE-12	FAS-AS-32
10:30-10:50	MORNING BREAK	
SESSION 7	Mathematics and Statistics (MS)	Applied Science (AS)
Chairman:	Y Yunardi	Sharain Liew
Co-Chair:	Brahim Belhaourari Samir	Norani Muti Mohamed
Venue:	TBA	TBA
10:50-11:10	FAS-MS-20	FAS-AS-25
11:10 - 11:30	FAS-MS-22	FAS-AS-26
11:30 - 11:50	FAS-MS-23	FAS-AS-28
11:50 - 12:10	FAS-MS-25	FAS-AS-29
12:10 - 12:30	FAS-MS-27	FAS-AS-30
12:30 - 12:50	FAS-MS-28	FAS-AS-33
1:00 - 2:00	LUNCH	
SESSION 8	Nanotechnology (NN)	Electromagnetics (EM)
Chairman:	Valerio Dallacasa	Amr M. Kishik
Co-Chair:	Chandra Mohan Sinnathambi	Bambang Ariwahjodie
Venue:	TBA	TBA
2:00 – 2:20	FAS-NN-12	FAS-EM-01
2:20-2:40	FAS-NN-13	FAS-EM-02
2:40-3:00	FAS-NN-14	FAS-EM-03
3:00-3:20	FAS-NN-15	FAS-EM-04
3:20-3:40	FAS-NN-17	FAS-EM-05
3:40-4:00	FAS-NN-18	FAS-EM-06
4:00– 4:30	EVENING BREAK	
4:30–6:00	CLOSING CEREMONY	
END OF CONGRESS		

SCHEDULE OF ORAL PRESENTATION

TUESDAY, 15 June 2010
SESSION 1 (2.00 pm – 4.00 pm)

Room: TBA	Nanotechnology (NN)	Chairperson: Vladimir Milyavskiy	Co-Chair: Mohd Faisal Taha
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2.00	FAS-NN-01 A Novel Design of a High performing AGP Dram Cell for High Speed Processors <i>Anurag Sharma (INDIA)</i>
2.20	FAS- NN-02 Growth and Characterization of ZnSe Semiconductor Nanowires <i>Faten E. Al-Hazmi (SAUDI ARABIA)</i>
2.40	FAS-NN-03 Morphology and Chemical Composition of In_x Ga_{1-x} As NWs Au-Assisted Grown at Low Growth Temperature Using MOCVD <i>Edi Wibowo , Zulkafli Othaman, Samsudi Sakrani, Rosnita Muhammad, Didik Aryanto, Amira Saryati Ameruddin, Imam Sumpono, Habib Hamidinezhad (UTM)</i>
3.00	FAS-NN-04 Design and Construction of Photothermal Deflection Analyzer for Chromium (Cr) Nanofluid in Distilled Water <i>Faris Mohammed Ali, W.Wahmood Mat Yunus, L.H.Abbud, Mohd Maarof Moxsin, Zainal Abidin Talib (UPM)</i>
3.20	FAS-NN-05 Photocatalytic Degradation of Orange II Using Bimetallic Cu-Ni/TiO₂ Photocatalysts <i>Nadia Riaz, F.K.Chong, B.K.Dutta, M Saqib Khan, Ela Nurlaela (UTP)</i>
3.40	FAS-NN-06 Effect of Particle Size on Nonlinear Refraction of Coefficient of Silver Polyvinylpyrrolidone Nano-fluids <i>W Mahmood Mat Yunus , Esmail Shahriari (UPM)</i>

Room: TBA	Catalysis (CY)	Chairperson: Ahmad Kompany	Co-Chair: Cecilia Wilfred
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2.00	FAS-CY-01 Size-selected Metal Clusters : New Models for Catalysis with Atomic Precision <i>Vahidah Habibpour, Z.W. Wang, R.E. Palmer, U.Heiz (UK)</i>
2.20	FAS-CY-02 Selectivity of Rhodium-Catalyzed Hydroformylation of 1-Octene in a Thermomorphic Solvent System <i>Maizatul Shaharun, Binay K. Dutta, Hilmi Mukhtar (UTP)</i>
2.40	FAS-CY-03 Effect of Calcination on Mo-Modified Zeolite Catalyst <i>Chandra Mohan Sinnathambi (UTP)</i>
3.00	FAS-CY-04 Bimetallic Cu-Ni/TiO₂ as photocatalyst for hydrogen production from water <i>Ela Nurlaela , F.K. Chong, B.K. Dutta, Nadia Riaz (UTP)</i>

- 3.20 **FAS-CY-05**
Effect of Calcination method on the Catalytic Degradation of Polystyrene using Al₂O₃ Supported Sn and Cd Catalysts
Anita Ramli, Dayang Ratnasari Abu Bakar (UTP)
- 3.40 **FAS-CY-06**
Synthesis and Characterization of Co/SiO₂ Catalysts Prepared Using Strong Electrostatic Adsorption
Chee Kai Ling, Dr. Noor Asmawati, Dr. Chandra Mohan (UTP)

SESSION 2 (4.20 pm – 5.50 pm)

Room: TBA **Mathematics and Statistics (MS)**
Chairperson: Mohammad Khatim Hasan **Co-Chair: Ibrahima Faye**

- 4.20 **FAS-MS-01**
Modified, Hestenes-Steifel Method for Unconstrained Optimization
Mohd Rivaie, Muhammad Fauzi Mustafa Mamat, Ismail Mohd (UiTM)
- 4.40 **FAS-MS-02**
A Century Prediction of South East Asian Athletes in Athletics Track Events
Mohd Bakri Adam, Norazman Nordin (UPM)
- 5.00 **FAS-MS-03**
Unsteady free convection flow near the stagnation point of a three- dimensional body
Mohd Ariff Admon, Sharidan Shafie, Ioan Pop (UTM)
- 5.20 **FAS-MS-04**
Statistical Model and Wavelet Function for Face Recognition
Nadir Nourain, Brahim Belhaouari Samir (UTP)
- 5.40 **FAS-MS-05**
A Comparative Study on Box-Jenkins and Garch Models in Forecasting Crude Oil Prices
Siti Roslindar Yaziz, Maizah Hura Ahmad, Lee Chee Nian, Noryanti Muhammad (UMP)

Room: TBA **Applied Sciences (AS)**
Chairperson: Ya-Chien Chung **Co-Chair: Hanita Daud**

- 4.20 **FAS-AS-01**
Piezoresistive Pressure Sensor Design, Simulation and Modification Using ConventorWare Software
John Ojur Dennis, Muhammad Syaqq Mat Sihat, Abdelaziz Yousif, Farooq Ahmad (UTP)
- 4.40 **FAS-AS-02**
Digital Watermarking for Mammogram Authentication
Azizah A. Manaf, Akram M. Zeki, Cik Feresia M. Foozy (IIUM)
- 5.00 **FAS-AS-03**
Comparison of Low Field Electron Transport in Zincblende and Wurtzite GaN Structures for High-Power and High-Temperature Device Modeling
H.Arabshashi, A. Binesh (IRAN)
- 5.20 **FAS-AS-04**
A Novel High Performance Data Security in WLAN
Amr M. Kishik, Nagy W. Messiha, Nabil M.A.Ayad, Nawal A. Effeshawy, Fathi E. Abdel-Samie (Egypt)

5.40 **FAS-AS-05**
Thermophysical Properties of trihexyletradecyl-phosphonium dioctylsulfosuccinate ionic liquid
A.K. Ziyada, C. D. Wilfred, M.A. Bustam, Z. Man, T. Murugesan (UTP)

TUESDAY, 16 June 2010
SESSION 3 (8.30 am – 10.30 am)

Room:TBA	Mathematics and Statistics (MS)	
	Chairperson: Mohd Tahir Ismail	Co-Chair: Pandian Muniandy Vasant

8.30 **FAS-MS-06**
Optimization of Process Parameter Variability in 45nm PMOS Device Using Taguchi Method
Fauziah Salehuddin, Ibrahim Ahmad, Fazrena Azlee Hamid, Azami Zaharim (UNITEN)

8.50 **FAS-MS-07**
Predicting Flow Rate of V-Shape Custom Tank Using Derivative Free Recursive Algorithm
Huzaiifa Tawfeig, Vijanth Sagayan Asirvadam, Nordin Saad (UTP)

9.10 **FAS-MS-09**
Applications of Wavelet Method in Stock Exchange Problem
Samsul Ariffin Abdul Karim, Bakri Abdul Karim, Mohd Tahir Ismail, Mohamad Khatim Hasan, Jumat Sulaiman (UTP)

9.30 **FAS-MS-10**
Development of Some Numerical Methods Applying Complexity Reduction Approach for Solving Scientific Problem
Muhammad Khatim Hasan, Jumat Sulaiman, Samsul Ariffin Abdul Karim, Mohamed Othman (UKM)

9.50 **FAS-MS-12**
On Certain Classes Involving Multiplier Transformation and Fractional Integral Operator
Rabha W. Ibrahim, Maslina Darus (UKM)

10.10 **FAS-MS-13**
A comparison between the modified homotopy perturbation method and Admian decomposition method for solving nonlinear heat transfer equations
Md Sazzad Hossien Chowdhury (IIUM)

Room: TBA	Applied Sciences (AS) (Venue 2)	
	Chairperson: Akram M. Zeki	Co-Chair: Marneni Narahari

8.30 **FAS-AS-06**
Optical Characterization of Blend Palm Oil Base Biodiesel
Amir Reza Sadrolhosseini, Mohd Maarof Mohksin, W. Mahmood, Mat Yunus, Zainal Abidin Talib (UPM)

8.50 **FAS-AS-07**
Removal of Crystal Violet Using Deacetylated Chitin (Chitosan)
Sharain Liew, Y.Y. Chan, S.E. How (UMS)

9.10 **FAS-AS-08**
Enhancement in the Identities-Exchange Process During the Authentication Process
Amr M. Kishik, Nagy W. Messiha, Nabil M. A. Ayad, Nawal A. Elfeshawy, Fathi E. Abdel-Samie (Egypt)

9.30 **FAS-AS-09**
Rheological Properties of Mango Puree for Processing Applications
Marjan Javanmard, Chin Nyuk Ling, Yus Aniza Yusof, Johari Endan (UPM)

- 9.50 **FAS-AS-10**
Paddy Moisture Content Detector
Josefina B. Janier , Maliki B. Maidin (UTP)
- 10.10 **FAS-AS-11**
Removal of Red 3BS Dye from Wastewater Using Emulsion Liquid Membrane Process
Norashikin Othman, R.Djamal, N. Mili, S.N. Zailani (UTM)

SESSION 4 (2.00 pm – 4.00 pm)

Room: TBA	Mathematics and Statistics (MS)	Co-Chair: Afza Shafie
2.00	FAS-MS-14 Discovering Structure Breaks in Amman Stocks Market <i>Sadam Al Wadi, Mohd Tahir Ismail, Samsul Ariffin Abdul Karim (USM)</i>	
2.20	FAS-MS-15 Modeling Rejected Votes of Malaysia’s Election Using Extreme Value Theory <i>Nur Ain Shahrul Saimi ,Mohd Bakri Adam, Noor Akma Ibrahim, Habsha Midi (UPM)</i>	
2.40	FAS-MS-16 A New Method of Computing Continuous Functions with Fuzzy Variable <i>Muhammad Zaini Ahmad , Mohammad Khatim Hasan, Bernard De Baets (UNIMAP)</i>	
3.00	FAS-MS-17 An Intervention Model of Road Accidents: The Case of OPS Sikap Intervention <i>W.Y.Wan Fairos, W.H.Wan Zakiyatussariroh, A.A.Nasuhar, M.Noor Ilanie (UiTM)</i>	
3.20	FAS-MS-18 Optimization of Process Variables for the Densification of Rice Straw as an Alternative Solid Fuel <i>Y Yunardi, Muhammad Zaki, Zulkifli, Marianto (Indonesia)</i>	
3.40	FAS-MS-19 Incorporating the Leader Factor into the Social Force Model for Dependent Pedestrians <i>Zarita Zainuddin, Mohammed Shuaib (USM)</i>	
Room: TBA	Science and Education (SE)	Co-Chair: Samsul Ariffin Abdul Karim
2.00	FAS-SE-01 Phytoextraction of Cadmium Increases Gluthathione Levels in the Leaves of Water Hyacinth [Eichhornia crassipes (Mart.) Solms.] <i>Juliana Janet M. Puzon, Gilda C. Rivero (PHILIPPINES)</i>	
2.20	FAS-SE-02 Computational Science: Teaching and Researching with Mathematica <i>Yahya Abu Hassan (USM)</i>	
2.40	FAS-SE-03 The Influence of Densities of Single Component Powder on the Tensile Strength of Tablets <i>Aziana Abdul Hamid, Yus Aniza Yusof, Chin Nyuk Ling, Suhaila Mohamed (UPM)</i>	
3.00	FAS-SE-04 Communicative Competence Requirement in Technical Oral Presentation in Engineering Education: Stakeholder Perceptions in a Malaysian Context <i>Ena Bhattacharyya (UTP)</i>	
3.20	FSA-SE-05 A New Method of Dynamic Analysis Structures by Using Optimization of Potential Dynamic	

Work*Hamidreza Hashamdar, Z. Ibrahim, A. Karbakhsh (UM)*

3.40

FAS-SE-06**Remedial Tutorials for Differential Equations***Azizan Zainal Abidin (UTP)***SESSION 5 (4.20 pm – 6.00 pm)**

Room: TBA	Nanotechnology (NN)	Chairperson: Vahidah Habibpour	Co-Chair: Maizatul Shima Shaharun
4.20	FAS-NN-07 Measurements of Shock Compressibility of C₇₀ Fullerene with the Use of Time-Resolved Synchrotron Radiation Technique <i>Vladimir Milyavskiy, K.A. Ten, T.I. Borodina, L.A. Lukianchikov, E.R. Prueel, V.V.Zhulanov, B.P. Tolochko (RUSSIA)</i>		
4.40	FAS-NN-08 Electromechanical TiO₂ nanostructured devices <i>Valerio Dallacasa (ITALY)</i>		
5.00	FAS-NN-09 Study of Carbon Density for the Development of High Efficiency X-ray Optics <i>Lai Kuan Yik, C.L.Lee, D. WeiBbach (UTAR)</i>		
5.20	FAS-NN-10 Piezoresistive Effect of Aligned Multiwalled Carbon Nanotubes (MWCNTs) Array <i>Norani Muti Mohamed, Lai Mun Kou (UTP)</i>		
5.40	FAS-NN-11 Synthesis and Characterization of Silica Sol under different relative humidity <i>Tayseir M. Abdul Ellateif, Saikat Maitra (UTP)</i>		
Room: TBA	Applied Sciences (AS)	Chairperson: Darmawijoyo Hanapi	Co-Chair: John Ojur Dennis
4.20	FAS-AS-12 The Dynamic Analysis of DMFC with Equivalent Circuit Model <i>Ya-Chien Chung, Tzyy-Yih Yang, Jin-Yih Lin, Yu Lin Tang (Taiwan, ROC)</i>		
4.40	FAS-AS-13 Implementation of Secure Real Time Transport Protocol on VoIP over Wired in Campus Network Environment <i>Mohd Nazri Ismail (UniKL)</i>		
5.00	FAS-AS-14 On the Equations of Unsteady Flow in Curved Trapezoidal Channels <i>A. Mosalman Yazdi, Hassanali Mosalman (IRAN)</i>		
5.20	FAS-AS-15 Modeling of Droplet Motion on Horizontal Plane by Using Boltzman Numerical Scheme <i>M.Z.M. Rody, C.S.N. Azwadi, A.M. Fudhail (UTeknikal Malaysia)</i>		
5.40	FAS-AS-17 Production of an Economical Microwave-assisted Distilled Water System <i>Iqbal Ahmed, Faridah Kormin, Rosli B. Mohd, Yunus, Ani Idris (UMP)</i>		

THURSDAY, 17 June 2010
SESSION 6 (8.30 pm – 10.30 pm)

Room: TBA	Science and Education (SE) Chairperson: Gilda C. Rivero	Co-Chair: Azizan Zainal Abidin
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8.30	FAS-SE-07 Does Phenotype-Genotype Distinction Apply for "Simple" Molecules?: A Thought in the Chemical Philosophical Context <i>Bambang Ariwahjoedi (UTP)</i>
8.50	FAS-SE-08 Memorization Activity and Use of Reinforcement in Learning : Content Analysis from Neuroscience and Islamic Perspectives <i>Zulfa Izza Mohamed @ Hashim, Mohamad Khairudin Bajuri, Rohaida Mohd Saat, Mohd Yakub @Zulkifli Mohd Yusoff, Noor Naemah Abdul Rahman, Durriyyah Sharifah Hassan Adli (UM)</i>
9.10	FAS-SE-9 Islamic Critical Thinking : A Conceptual Exploration and Exposition <i>Mohd Nuri Al-Amin Endut, Raja Ahmad Iskandar Raja Yaacob (UTP)</i>
9.30	FAS-SE-10 Design of STEP-Compliant System for Turn-mill Operation Using XML <i>Mesfin Gizaw, Ahmad Majdi B.A. Rani, Yusri Yusof (UTP)</i>
9.50	FAS-SE-11 Development of Future Curriculum Via Futures Studies <i>Saedah Siraj , Muhammad Ridhuan, Tony Lim Abdullah (UM)</i>
10.10	FAS –SE-12 Design and Development of Control Laws for Unmanned Aerial Vehicle (UAV) <i>Radzuan Razali, Endri Rachman (UTP)</i>

Room: TBA	Applied Sciences (AS) Chairperson: P. S. Ong	Co-Chair: Mohd Faisal Taha
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8.30	FAS-AS-19 The Best Fit Model to Predict Spatial Sedimentation Rates at Loagan Bunut Lake, Miri, Sarawak <i>R.B. Dagang, S.Lau, A.K. Sayok (ISUT)</i>
8.50	FAS-AS-21 Radiation Effects on Free Convection Flow Near a Moving Vertical Plate with Newtonian Heating <i>Marneni Narahari, A. Ishak (UTP)</i>
9.10	FAS-AS-23 Measurement of Air Temperature using laser Interferometry <i>Ahmad Hadi Ali (UTHO)</i>
9.30	FAS-AS-24 The Optimum Tilt Angle and Operation of Stand Alone Photovoltaic Electricity Generation Systems for Rural Electrification <i>Prashanthini Sunderan, Adibah Mohd Ismail, Balbir Singh Mahinder Singh, Norani Muti Mohamed (UTP)</i>
9.50	FAS-AS-31 Effect of Surfactant Concentration on the Physico-Chemical Characteristics of Mesoporous Molecular Sieve <i>Sohail Ahmed, Anita Ramli (UTP)</i>

- 10.10 **FAS-AS-32**
Synthesis and Characterization of Pure Anatase TiO₂ Agregates
Siti Nur Azella Zaine, Ahmad Anis Kalantar Mastan, Ita Athirah Ahmad, Sharizal Shaik Ahmedullah, Anita Ramli, Norani Muti Mohamed (UTP)

SESSION 7 (10.50 am – 12.50 pm)

Room: TBA **Mathematics and Statistics (MS)**
Chairperson: P. S. Ong **Co-Chair: Mohd Faisal Taha**

- 10.50 **FAS-MS-20**
A compact limited memory method via higher order tensor models
Fahimeh Biglari , M.A. Hassan, W.J. Leong (UPM)
- 11.10 **FAS-MS-22**
Selecting a Good Enough Stochastic Design
Mohammad Almomani, Rosmanjawati Abdul Rahman, Adam Baharum (USM)
- 11.30 **FAS-MS-23**
Applying Fixed Effects Panel Count Model to Examine Road Accident Occurrence
W. Y. Wan Fairoos, L. Mohammad Alias. Y. .Bee Wah (UiTM)
- 11.50 **FAS-MS-25**
A Proposed Mathematical Model of Influenza A, H1N1 for Malaysia
Samsul Ariffin Abdul Karim, Radzuan Razali (UTP)
- 12.10 **FAS-MS-27**
On integer sequences related to a memorization technique
Ibrahima Faye (UTP)
- 12.30 **FAS-MS-28**
On Minimal Fuzzy Ideals of Semigroups
Madad Khan, M Nouman Aslam Khan (PAKISTAN)

Room: TBA **Applied Sciences (AS)**
Chairperson: Sharain Liew **Co-Chair: Norani Muti Mohamed**

- 10.50 **FAS-AS-25**
On the Vibrations of a Linear and a Weakly Non-Classical Boundary Damping
Darmawijoyo Hanapi (INDONESIA)
- 11.10 **FAS-AS-26**
Synthesis and Ionic Conductivity of Mechanically Synthesized Ce_{1-x}Y_xO_{2-δ}
(0.05 ≤ x ≤ 0.40) Solid Solutions
P.S.Ong, Y.P.Tan, Taufiq Yap Yun Hin (UPM)
- 11.30 **FAS-AS-28**
Study on Performance of a Modified Anaerobic Baffled R+eactor (ABR) to Treat High Strength Wastewater
A. Malakhamad, Noor Ezlin A.B., Shahrom. Md. Z. (UTP)
- 11.50 **FAS-AS-29**
Sustainable Solar-Wind Hybrid Power Plant for Implementation in Malaysia
Yiew De –An, Balbir Singh Mahinder Singh (UTP)
- 12.10 **FAS-AS-30**

Fuzzy Based Recursive Method for Production

P. Vasant, T. Ganesan, I. Elamvazuthi, J. Webb (UTP)

12.30

FAS-AS-33

Remote Monitoring of Solar Electricity Generating System

Nur Syahidah Husain, Balbir Singh Mahinder Singh, Norani Muti Mohamed (UTP)

SESSION 8 (2.00 pm – 4.00 pm)

Room: TBA	Nanotechnology (NN)	
	Chairperson: Valerio Dallacasa	Co-Chair: Chandra Mohan Sinnathambi

2.00	FAS-NN-12 Effect of Calcination Process on Phase Formation in Nano-Sized Zn_{0.9}Mn_{0.1}O Particles <i>M. Ebrahimzadeh Abrishami, S.M. Hosseini, Ahmad Kompany (IRAN)</i>
2.20	FAS-NN-13 Effect of Ta Substitution on Formation and Superconductivity of TlSr₂12 Ceramics <i>Z. Salleh, Mohd Yuzri Yusop, A.K. Yahya (UNIKL)</i>
2.40	FAS-NN-14 Synthesis and Characterization of Silica Supported Iron Nanocatalyst by Modified Colloidal Method <i>Nor Aziyan Mohd Nasir, N.A.M. Zabidi, C.F. Kait (UTP)</i>
3.00	FAS-NN-15 The Effects of Hydrothermal Growth Parameters on Titanium Dioxide Nanomaterial <i>Ahmad Anis Kalantar Mastan, Norani Muti Mohamed (UTP)</i>
3.20	FAS-NN-17 Mechanical Properties and Magnetic properties of Mn_{0.8}Zn_{0.2}Fe₂O₄ Synthesized by Conventional Ball Milling Method and Self Combustion Method <i>Poppy Puspitasari, Noorhana Yahya, Noor Asmawati Modh Zabidi, Nur Aziza Ahmad (UTP)</i>
3.40	FAS-NN-18 Comparison of Synthesis Techniques for Supported Iron Nanocatalysts <i>Sara Faiz Hanna Tasfy, Noor Asmawati M. Zabidi, Duvvuri Subbarao (UTP)</i>

Room: TBA	Electromagnetics (EM)	
	Chairperson: Amr M. Kishik	Co-Chair: Bambang Ariwahjodie

2.00	FAS-EM-01 Faraday Rotation Effect in Magnetized Plasma <i>Lai-xuan Ma, Hou Zhang, Chen-xin Zhang, Dao-zhi Wei (P.R. China)</i>
2.20	FAS-EM-02 Magnetic Field Distribution Due to Shielding in a Three-Phase Source <i>Ismail Said, H.B. Hussain, M.N. A Kamaruddin (UNITEN)</i>
2.40	FAS-EM-03 Electromagnetic Wave Propagation in Microstrip Transmission Lines <i>Kim Ho Yeap, Choy Yoong Tham, Kee Choong Yeong, Eng Hock Lim, Koon Chun Lai (UTAR)</i>
3.00	FAS-EM-04 Measurements of Magnetic Field Emission of Various Digital Circuit Layouts <i>Saizalmursidi Md Mustam, Mohd Zarar Mohd Jenu (UTHO)</i>
3.20	FAS-EM-05

Wireless Control Mechanism for EM Source and Receiver Positioning for Offshore Application

Hanita Daud, Norhana Yahya, Rayzeme Harun (UTP)

3.40

FAS-EM-06

Synthesis and Characterization of ZnO-CNTs Filled PVA Composite as EM Detector

Noorhana Yahya, Majid Niaz Akhtar, Ahmad Fauzie Masuri, Muhammad Kashif (UTP)

POSTER PRESENTATION

SESSION 1	June 15, 2010 (Tuesday)
4:00-4:20	FAS-NN-P4 Characterization of Aligned MWCNTs Array as the Sensing Element for Ionization Gas Sensor A.R. Kermamy, Norani Muti Mohamed, Balbir Singh Mahinder Singh (UTP)
	FAS-NN-P6 Sandwich Growth of Aligned Carbon Nanotubes Array Using Thermal Chemical Vapor Deposition Method N.M. Mohamed, M.K. Lai (UTP)
	FAS-CY-P1 Characterization of the Structure Feature of Bimetallic Fe-Ni Catalyst Siti Eda Eliana Misi, Anita Ramli, Fadhli Hadana Rahman, Suzana Yusup (UTP)
	FAS-CY-P3 Kinetics of De-coking of Spent Reforming Catalyst Reem Ahmed Mohamed Ismail, Chandra Mohan Sinnathambi, Duvvuri Subbarao (UTP)
	FAS-CY-P4 The Study of Wear Behaviour of 12-Hydroxystearic Acid in Vegetable Oils Mohammad Farooq, Anita Ramli, Shaista Gul, Nawshad Mohammad (UTP)
SESSION 2	June 16, 2010 (Wednesday)
10:30-10:50	FAS-AS-P5 Photovoltaic Based Irrigation System Software Afza Shafie, Magzoub Abdelziz Badur Abdelaziz (UTP)
	FAS-AS-P6 Synthesis and Physicochemical Properties of Supramolecular Phosphonium-Based Symmetrical Dicationic Ionic Liquids A.K. Ziyada, S.D. Wilfred, M.A. Bustam (UTP)
	FAS-EM-P2 Development of EM Wave Guide Amplifier Potentially Used for Sea Bed Logging (SBL) Majid Niaz Akhtar, Noorhana Yahya, Hanita Daud, Afza Shafie, Hasnah Mohd Zaid, Muhammad Kashif, Nadeem Nasir (UTP)
	FAS-EM-P3 Magnitude Verses Offset (MVO) Study with EM Transmitter in Different Resistive Medium Nadeem Nasir, Afza Shafie, Hanita Daud, Hasnah Mohd Zaid, Noorhana Yahya, Majid Niaz Akhtar, Muhammad Kashif (UTP)
SESSION 3	June 16, 2010 (Wednesday)
4:00-4:20	FAS-EM-P4 1D EM Modeling for Onshore Hydrocarbon Detection Using MATLAB Hasnah Mohd Zaid, Noorhana Yahya, Majid Niaz Akhtar, Muhammad Kashif, Hanita Daud, Samir Brahim, Afza Shafie, Nor Hazrin Hany Mohamad Hanif, Ahmad Aiman Zorkepli (UTP)
	FASEM-P5 Enhanced Oil Recovery by Using Electromagnetic Waves Muhammad Kashif, Noorhana Yahya, Hasnah Mohd Zaid, Afza Shafie, Mazuin Jasamai, Majid Niaz Akhtar, Nadeem Nasir (UTP)
	FAS-NN-P7 Preparation of Electrochromic Material Using Carbon Nanotubes Muhammad Shahazmi Mohd Zambri, Norani Muti Mohamed, Chong Fai Kait (UTP)
	FAS-NN-P8 Effect of Loading on the Physicochemical Properties of Alumina Supported Co/Mo Bimetallic Nanocatalysts Sardar Ali, Noor Asmawati Mohd Zabidi, Duvvuri Subbarao (UTP)

