

**PRE-WRICET2012 WORKSHOP AND SUMMIT**

**TWO-DAY TRAINING WORKSHOP ON “BIOGAS FOR FUTURE”  
(1<sup>st</sup> & 2<sup>nd</sup> December 2012)**

**1<sup>st</sup> December 2012 (Saturday)**

**Venue: Conference 1**

*Speaker: Prof. Dr. Bernd Linke, Leibniz Research Institute for Agricultural Engineering (ATB), Potsdam-Bornim, Germany*

0830 – 0900 hrs	Registration
0900 – 1000 hrs	Overview of European Biogas Production, Evaluation of German Biogas Plants
1000 – 1015 hrs	TEA BREAK
1015 – 1145 hrs	Biogas - Its Potentials, Issues and Fundamentals, Utilisation and Upgrading
1145 – 1300 hrs	Biogas Plant - Planning and Design, Operational Aspects
1300 – 1415 hrs	LUNCH BREAK
1415 – 1515 hrs	Biogas Plant – Performance, Monitoring and Dimensioning of CSTR Digesters in Mono- and Co-Digestion (Animal Slurry and Plant Materials)
1515 – 1645 hrs	Development of Two-Phase Systems for Digestion of Organic Solids
1645 – 1700 hrs	Q & A SESSION
1700 – 1730 hrs	TEA BREAK AND END OF SESSION

**2<sup>nd</sup> December 2012 (Sunday)**

**Venue: Conference 1**

0900 – 1030 hrs	Non-Food Energy Crops – Its Potentials, Issues and Application <i>Prof. Dr. Bernd Linke, Leibniz ATB, Germany</i>
1030 – 1100 hrs	TEA BREAK
1100 – 1300 hrs	Biogas Experience in Malaysia <i>Mr. Zainuri Busu, FELDA Palm Industries Sdn. Bhd., Malaysia</i>
1300 – 1415 hrs	LUNCH BREAK
1415 – 1545 hrs	Biogas from Anaerobic Digestion of Municipal Solid Wastes (MSW) <i>Prof. Dr. Azni Idris, Universiti Putra Malaysia</i>
1545 – 1630 hrs	Q&A SESSION
1630 – 1645 hrs	Concluding Session
1645 – 1715 hrs	TEA BREAK AND END OF SESSION

<b>ONE-DAY WORKSHOP ON EAC ASSESSMENT (1<sup>st</sup> December 2012)</b>	
<b><i>1<sup>st</sup> December 2012 (Saturday)</i></b>	
<b><i>Venue: Auditorium</i></b>	
0830 – 0900 hrs	Registration
0900 – 0930 hrs	Introduction <i>Prof. Ir. Megat Johari Megat Mohd Noor</i>
0930 – 1030 hrs	Linking Programme Objectives and Outcomes and Course Outcomes <i>Prof. Ir. Megat Johari Megat Mohd Noor</i>
1030 – 1045 hrs	TEA BREAK
1045 – 1145 hrs	Exercise 1
1145 – 1245 hrs	Developing Course Outcomes That Address the Taxonomy <i>Ir. Azlan Abdul Aziz</i>
1245 – 1400 hrs	LUNCH BREAK
1400 – 1500 hrs	Exercise 2
1500 – 1600 hrs	Ensuring Attainment of Outcomes Through Assessment <i>Ir. Azlan Abdul Aziz</i>
1600 – 1700 hrs	Exercise 3 & Closing <i>Prof. Ir. Megat Johari Megat Mohd Noor</i>
1700 – 1730 hrs	TEA BREAK AND END OF SESSION

<b>2<sup>nd</sup> ENGINEERING EDUCATION SUMMIT (2<sup>nd</sup> December 2012)</b>	
<b>2<sup>nd</sup> December 2012 (Sunday)</b>	
<b>Venue: Congress 1</b>	
0830 – 0900 hrs	Registration & Breakfast
0900 – 1000 hrs	<b>Keynote Paper 1</b> Washington Accord Moving On <i>Prof. Ir. Megat Johari Megat Mohd Noor</i>
1000 – 1030 hrs	TEA BREAK
1030 – 1130 hrs	<b>Keynote Paper 2</b> Latest requirements in Outcome Based Education <i>Ir. Azlan Abdul Aziz</i>
1130 – 1230 hrs	<b>Keynote Paper 3</b> Project Oriented Problem Based Learning <i>Prof. Dr. Nor Kamariah Noordin</i>
1230 – 1400 hrs	LUNCH BREAK
1400 – 1500 hrs	<b>Keynote Paper 4</b> Future of Engineering Education in Malaysia <i>Prof. Ir. Dr. Riza Atiq O. K. Rahmat</i>
1500 – 1600 hrs	Discussion and Summit Resolution <i>Moderated by Prof. Ir. Megat Johari Megat Mohd Noor</i>
1600 – 1630 hrs	TEA BREAK AND END OF SESSION

**WRICET2012**

**WRICET2012 OPENING CEREMONY AND KEYNOTE SESSIONS  
(3<sup>rd</sup> December 2012, Monday)**

<b>Venue</b>	<b>Royal Ballroom</b>
08.00 – 09.00 hrs	Registration/Arrival of Guests/Participants
0900 – 1000 hrs	Doa Recital
	Welcoming Speech by Assoc. Prof. Dr. Tinia Idaty Mohd Ghazi Joint-Chair of WRICET2012
	Officiating Speech by Prof. Dato' Abang Abdullah Abang Ali President, Malaysian Society for Engineering & Technology
	Press Conference
1000 – 1030 hrss	<b>COFFEE BREAK</b>
<b>WRICET2012 KEYNOTE SESSION I</b> <i>Chaired by Dr. Mustafa Din Subari</i>	
1030 – 1230 hrs	<b>Keynote Address 1</b> ANAEROBIC DIGESTION OF BIOMASS: A SUSTAINABLE APPROACH FOR ENERGY SUPPLY, SANITATION AND SOIL FERTILITY <i>Prof. Dr. B. Linke (Germany)</i>
	<b>Keynote Address 2</b> SLIDING MODE CONTROL OF LARGE SIZE NUCLEAR REACTOR <i>Prof. Dr. B. Bandyopadhyay (India)</i>
	<b>Keynote Address 3</b> THE PROPERTY OF SUBTHRESHOLD RESONANCE OBSERVED IN VOLTAGE-DEPENDENT ION CHANNELS <i>Prof. Dr. T. Kitajima (Japan)</i>
	<b>Keynote Address 4</b> QUALITY ASSURANCE OF NATURAL PRODUCTS WITH MULTIPLE INGREDIENTS EXTRACTED FROM HERBS <i>Prof. Dr. K. M. Ng (Hong Kong)</i>
1230 – 1400 hrs	<b>LUNCH BREAK</b>

<b>WRICET2012 KEYNOTE SESSION II</b> <i>Chaired by Prof. Dr. Rosnah Mohd Yusoff</i>	
1400 – 1630 hrs	<b>Keynote Address 5</b> DEVELOPMENT OF NON-OILY CUTTING FLUIDS USING HYDROPHILIC NANO-CARBON PARTICLES <i>Prof. Dr. S. Ikeda (Japan)</i>
	<b>Keynote Address 7</b> UNIVERSITIES AS CORNERSTONES IN SCIENCE, TECHNOLOGY, INNOVATION AND ECOSYSTEM <i>Prof. Dr. Y. Çengel (Turkey)</i>
	<b>Keynote Address 6</b> HYDROGEN ENERGY SYSTEM AND TRIBOLOGY <i>Prof. Dr. K. Fukuda (Japan)</i>
	<b>Keynote Address 8</b> CHALLENGES LEADING TO A SUSTAINABLE FUTURE IN AEROSPACE ENGINEERING <i>Prof. Dr. G. R. Tomlinson (United Kingdom)</i>
	<b>Keynote Address 9</b> COLLEGE OF ENGINEERING PAST AND FUTURE ROLES IN ADVANCING KSU AS A RESEARCH-BASED UNIVERSITY <i>Prof. Dr. K. I. Alhumaizi (Kingdom of Saudi Arabia)</i>
	<b>Keynote Address 10</b> SUSTAINABLE WASTE MANAGEMENT: CHALLENGES AND FUTURE <i>Prof. Dr. A. Idris (Malaysia)</i>
1630 – 1700 hrs	<b>TEA BREAK</b>

<b>WRICET2012 PARALLEL TECHNICAL SESSION I (4<sup>th</sup> December 2012)</b>			
<i>Session</i>	<i>IA</i>	<i>IB</i>	<i>IC</i>
<i>Venue</i>	<i>Congress 1</i>	<i>Congress 2</i>	<i>Conference 1</i>
<i>Chairperson</i>	<i>Dr. Siti Anom Ahmad</i>	<i>Prof. Dr. Thamer Ahmed Mohammed</i>	<i>Assoc. Prof. Dr. Tinia Idaty Mohd Ghazi</i>
0900 – 0915 hrs	<b>003</b> <b>OPEN SOURCE SOFTWARE ADOPTION THRESHOLD MODEL</b> Umm-e-Laila and Jahangir Ahsan	<b>006</b> <b>FEASIBILITY STUDY OF LIQUEFIED PETROLEUM GAS COMPOSITE CYLINDER FOR HOUSEHOLD USERS IN MALAYSIA</b> Zulkiflle Leman, Mohammad Borhan and Abouzar Kheiri	<b>001</b> <b>THE SYNTHESIS OF A TRIMETHOXYSTILBENE</b> Jalani, K. J., Mohd Saad, Z., Abdul Wahab, I., Jahidin, A. H., Mizaton, H. H. and Adam, A.
0915 – 0930 hrs	<b>013</b> <b>CONTROL STRATEGIES FOR FLUX SWITCHING MOTORS OVER WIDE SPEED RANGE OF OPERATION</b> Mohammad Mardaneh and Mojtaba Mirsalim	<b>007</b> <b>IMPROVING A MULTI-PROCESS MANUFACTURING SYSTEM FOR DISCRETE PRODUCTS: A CASE STUDY OF CAR SEAT BELT MANUFACTURING COMPANY</b> Napsiah Ismail, Abouzar kheiri and Mohammad Borhan	<b>002</b> <b>THE PRESENCE OF CALCIUM OXALATE STYLOIDS IN PANDANACEAE</b> Eshak, Z., Mohsin, H. F. and Abdul Wahab, I.
0930 – 0945 hrs	<b>014</b> <b>RANDOM SWITCHING METHOD FOR PWM CASCADED H-BRIDGE MULTI-LEVEL INVERTER</b> Mohammad Mardaneh and Zhale Hashemi	<b>010</b> <b>CRITICAL SUCCESS FACTORS FOR SUSTAINABLE CONSTRUCTION OF INFRASTRUCTURES PROJECT</b> I. Othman, M. Napiah and N.S. Potty	<b>004</b> <b>ANAEROBIC DIGESTION OF CATTLE MANURE: INFLUENCE OF INOCULUM CONCENTRATION</b> Ismail M. Nasir, Tinia I. Mohd. Ghazi, Rozita Omar and Azni Idris
0945 – 1000 hrs	<b>015</b> <b>INITIAL DESIGN OF EMERGENCY POSITIONING GADGET FOR MOTORCYCLE</b> Niam, Ham Kiang, and Shaik Mohamed, Shahrizat	<b>017</b> <b>AN ANALYTICAL AND EXPERIMENTAL STUDY OF HEAT PIPE PERFORMANCE</b> Zuraini Hashim, Imad El-maddin, Zulkhairi, Zulkarnaini <sup>1</sup> and Sohif Mat	<b>005</b> <b>IMPLEMENTATION OF Si NANOPHOTONICS IN LSI CHIPS TO IMPROVE OPTICAL COMMUNICATION TECHNOLOGY</b> MD. Nizamul Islam, A K M Kamrul Hasan, Saleh Mohammed A. Quaiyyum and Siam Shafiullah

1000 – 1015 hrs	<p><b>016</b>  <b>DEVELOPMENT OF AN INTELLIGENT WATER INJECTION SYSTEM FOR NATURAL ASPIRATED INTERNAL COMBUSTION ENGINES</b>                  Nurfarhana Nasrudin, Ahmad S. M. Noor, Mohd H. Yaacob and Ratna K. Z. Sahbudin</p>	<p><b>022</b>  <b>DESIGN ANALYSIS OF CAR WHEEL RIM DEFORMATION BEHAVIOUR UNDER DIFFERENT STATIC LOADING</b>                  M. Sabri Sidik, A. Mu'az, K. Shahril, A. R. Ab-Kadir and J.Ihsan</p>	<p><b>008</b>  <b>PRIORITIZING ENERGY SOURCE SELECTION IN IRAN BASED ON MULTI-CRITERIA DECISION MAKING</b>                  Norzima Binti Zulkifli and Hootan Fadaei</p>
1015 – 1030 hrs	<p><b>029</b>  <b>HARDWARE DEVELOPMENT OF WATER QUALITY MONITORING SYSTEM FOR AQUACULTURE APPLICATION</b>                  Razemy Raffay, Zaini Abdul Halim and Roshada Hashim</p>	<p><b>023</b>  <b>PHYSICAL PROPERTY OF CARBON NANOTUBE REINFORCED ALUMINIUM NANO COMPOSITE</b>                  Umma A, Maleque M.A, Iskandar I.Y and Mohammed Y. A</p>	<p><b>009</b>  <b>ADSORPTION OF METHYLENE BLUE ON SAWDUST-DERIVED BIOCHAR AND ITS ADSORPTION ISOTHERMS</b>                  W.A. Wan Ab Karim Ghani, Ayaz Mohd, Dahlia Khalid Mahmoud, Nur Zalikha Rebitanim, Lamin Sanyang and Ruziah Zainudin</p>
1030 – 1100 hrs	<b>COFFEE BREAK</b>		
1100 – 1130 hrs	<p><b>Invited Paper (034)</b>  <b>SINGLE-FEED PLANAR ANTENNAS WITH MULTI-FUNCTION FOR MOBILE COMMUNICATIONS</b>                  Toshio Wakabayashi</p>	<p><b>Invited Paper (061)</b>  <b>FROM RATING SYSTEM TO ASSESSMENT TOOL: GREENING THE BUILT ENVIRONMENT IN DEVELOPING COUNTRIES LIKE MALAYSIA</b>                  M. F. Khamidi and M. M. A. Klufallah</p>	<p><b>Invited Paper (062)</b>  <b>FOOD, ENERGY AND WATER ISSUES – AN URGENT NEEDS FOR SOLUTION</b>                  Hamdani Saidi</p>
1130 – 1145 hrs	<p><b>032</b>  <b>INTRODUCING NEW STATISTICAL SHAPE BASED AND TEXTURE FEATURE EXTRACTION METHODS IN THE PLANT SPECIES RECOGNITION SYSTEM</b>                  Seyed Mohammad Hussein S, Siti A. Ahmad, Azura Che Soh, Mohd K Hassan and Asnor J Ishak</p>	<p><b>024</b>  <b>MOTORISED REMOTE CONTROL SHOE</b>                  Vincent Leong Wen Haur, Subhashini Gopal Krishnan and Chandrasekharan Nataraj</p>	<p><b>011</b>  <b>SORPTION OF PHENOL FROM WASTEWATER BY HYDROGEL-BIOCHAR COMPOSITE</b>                  Lamin Sanyang, W.A. Wan Ab Karim Ghani, Ayaz Mohd, Dahlia Khalid Mahmoud, NurZalikha Rebitanim and Ruziah Zainudin</p>
1145 – 1200 hrs	<p><b>035</b>  <b>MULTI-WAVELENGTH BRILLOUIN FIBER LASER GENERATION WITH DOUBLE-BRILLOUIN-FREQUENCY SPACING IN A FIGURE-OF-EIGHT CONFIGURATION</b>                  N M Ali, S W Harun, R Parvizi, H Arof and H Ahmad</p>	<p><b>025</b>  <b>APPRAISAL ON DEVELOPMENT OF SOLAR PVD AS CONSOLIDATION METHOD</b>                  Noor Rahayu Mazlan and Mohd Idrus Mohd Masirin</p>	<p><b>012</b>  <b>VERMIREMEDIATION OF HEAVY METALS IN LANDFILL LEACHATE CONTAMINATED SOIL VIA LUMBRICUS RUBELLUS</b>                  Sim, Cheng Kim, Azizi Abu Bakar Noor Zalina Mahmood, and Noorlidah Abdullah</p>

1200 – 1215 hrs	<p><b>038</b>  <b>BEHAVIOUR OF DYNAMIC VOLTAGE RESTORER FOR MITIGATION OF VOLTAGE SAGS</b>                  Azuki Abdul Salam, Ismail Adam, Safyzan Salim, Fatimah Zaharah Hamidon and Idris Latiff</p>	<p><b>026</b>  <b>CAUSES OF PROJECT DELAY</b>                  Lee W.P. and Ng S.S.</p>	<p><b>018</b>  <b>EFFECT OF MULTI-STEP CHEMICAL TREATMENT ON RICE HUSK ADSORBENT FOR THE REMOVAL OF MULTI-HEAVY METAL ELEMENT</b>                  Sadon, F. N., Ibrahem, A. S., and Ismail, K. N.</p>
1215 – 1230 hrs	<p><b>040</b>  <b>SEMI-AUTOMATIC PARALLEL PARKING SYSTEM</b>                  Nur Erniwati Farrita, Haslina Jaafar, Mohd Hasimi Mohd Sidek and Siti Anom Ahmad</p>	<p><b>028</b>  <b>IMPROVEMENT OF THE LOAD CARRYING CAPACITY OF SOUTHERN PENINSULAR MALAYSIA SOFT CLAY SOIL BY ELECTRO OSMOTIC CONSOLIDATION</b>                  Khairul Nizar, M.Y., and Fauziah, A.</p>	<p><b>019</b>  <b>HEAVY METALS REMOVAL FROM SIMULATED WASTEWATER USING PHYSICALLY AND CHEMICALLY MODIFIED PALM SHELL ACTIVATED CARBON</b>                  Fuadi, N.A, Ibrahim, A.S. and Ismail, K.N.</p>
1230 – 1245 hrs	<p><b>044</b>  <b>ACQUISITION AND PROCESSING OF SURFACE ELECTROMYOGRAPHY(S-EMG) SIGNALS OF FOREARM MUSCLES USING WIRELESS SYSTEM</b>                  K.A.R Ku Nurhanim, I.Elamvazuthi, P. Vasant, S. Parasuraman and G.A. Ling</p>	<p><b>042</b>  <b>PARALLEL CRUSHED BAMBOO LUMBER FIBRE AND ITS MECHANICAL PROPERTIES</b>                  Shuib Husin, Aznizam Abdullah, Mohd Nurhidayat Zahelem and Mohd Dzulkarnain Soyuti</p>	<p><b>020</b>  <b>INORGANICS METAL AS ADDITIVES IN SAE 10W-30 ENGINE OIL</b>                  Azmi. Roslan, Ahmmed.S.Ibrahem and Abdul Hadi</p>
1245 – 1400 hrs	<b>LUNCH BREAK</b>		



<b>WRICET2012 PARALLEL TECHNICAL SESSION II</b> <b>(4<sup>th</sup> December 2012, Tuesday)</b>			
<i>Session</i>	<i>IIA</i>	<i>IIB</i>	<i>IIC</i>
<i>Venue</i>	<i>Congress 1</i>	<i>Congress 2</i>	<i>Conference 1</i>
<i>Chairperson</i>	<i>Assoc. Prof. M Iqbal Saripan</i>	<i>Assoc. Prof. Dr. Hasfalina Che Man</i>	<i>Dr. Intan Salwani Ahamad</i>
1400 – 1415 hrs	<b>030</b> <b>THEORETICAL AND EXPERIMENTAL ANALYSIS OF DESICCANT WHEEL PERFORMANCE FOR SOLAR HYBRID DESICCANT AIR-CONDITIONING SYSTEM</b> Zuraini Mohd Enggsa, Tri Suyono, Arifidian Rachman and Sohif Mat	<b>033</b> <b>RAINWATER HARVESTING: QUANTITATIVE AND QUALITATIVE ANALYSIS</b> Thamer Ahmed Mohammed, Yousef Abulaziz Al-Molhem and Megat Johari Megat Mohd. Noor	<b>021</b> <b>THE STUDY OF CARBON DIOXIDE ADSORPTION ON ACTIVATED CARBON IN SINGLE AND MULTI FIXED BED COLUMN</b> Amalina Md. Dali, Ahmmmed Saadi Ibrahem and Abdul Hadi
1415 – 1430 hrs	<b>045</b> <b>ENACTMENT OF STOCHASTIC STREAM MECHANISM ON MULTICLASS QUEUEING NETWORK</b> K.Sivaselvan and C.Vijayalakshmi	<b>036</b> <b>THERMAL ANALYSIS OF NATURAL CONVECTION IN POROUS AND SOLID FINS</b> Seyfolah Saedodin, Majid Shahbabaee and Iman Rahimi Petrucci	<b>037</b> <b>SYSTEMATIC METHODOLOGY FOR EVALUATING ENVIRONMENTAL IMPACT OF A BIOPHARMACEUTICAL PRODUCTION: A MABs CASE STUDY</b> A. Idris, M.R Othman and G.K Chua
1430 – 1445 hrs	<b>046</b> <b>HYBRID PARTICLE SWARM OPTIMISATION VARIANTS: A SURVEY</b> Ahmad Rezaee Jordehi and Jasronita Jasni	<b>039</b> <b>DYNAMIC MODULUS FOR MATERIAL CHARACTERIZATION</b> Nuryantizpura Mohamad Rais, Intan Rohani Endut, Md Yunus Ab Wahab and Amminudin Ab. Latif	<b>048</b> <b>A MOLECULARLY IMPRINTED POLYMER FOR DETERMINING TRIBUTYL TIN CHLORIDE BY LC-MS/MS</b> Shanshan Zhu, Futao Hu, Ning Gan, Ting Yang and Daodong Pan
1445 – 1500 hrs	<b>047</b> <b>INVESTIGATION ON SINGLE PHASE AC-AC DYNAMIC VOLTAGE RESTORER TOWARDS MITIGATE VOLTAGE SAG</b> Eimi Diyana, Noraliza Hamzah and Siti Zaliha Mohammad Noor	<b>041</b> <b>THE EFFECTS OF INITIATOR CONTENT ON SAGO (METROXYLON ROTTB.) STARCH-G-PAN HYDROGEL</b> Nurizan Omar and Zuraida Ahmad	<b>063</b> <b>SILVER NANOPARTICLE (AgNPs) -LOADED CHITOSAN – POLYLACTIC ACID (PLA) BASED FILMS: FABRICATION AND ANTIMICROBIAL PROPERTIES OF FILMS</b> A. Shaari, M.N. Abu Seman and C.K.M.F. Che Ku Yahya

1500 – 1515 hrs	<p><b>049</b>  <b>AN APPROACH TO FAULT TOLERANCE OF MEMORY UNIT IN A MICROPROCESSOR-BASED SYSTEM DESIGN</b>                  Y.Rajasree and Y.SreeVidya</p>	<p><b>031</b>  <b>STRESS DISTRIBUTION BEHAVIOUR OF CAR BUMPER BRACKET</b>                  K. Shahril and Ahmad Shazwan Mohd</p>	<p><b>057</b>  <b>OPTIC NEURITIS MAGNETIC RESONANCE IMAGING USING IMPROVED SEQUENCES AND MEASUREMENT PROGRAM WITH GAUSSIAN FITTING</b>                  Li Sze Chow, Lauren Wallis, Nigel Hoggard, Martyn N.J.Paley and Simon J. Hickman</p>
1515 – 1530 hrs	<p><b>050</b>  <b>OPTIMIZATION THE TILT ANGLE OF SOLAR FLAT PLATE COLLECTORS USING EXERGETIC ANALYSIS BY GENETIC ALGORITHM</b>                  Morteza Khalaji Assadi , Abtin Ataei and Ahmad Abdollahzadeh</p>	<p><b>043</b>  <b>ASSESSMENT OF RAINWATER QUALITY BASED ON SELECTED PARAMETERS</b>                  Ayisya Siddira bt Abdul Rahim, Thamer Ahmed Mohamed and M.J. Megat Mohd. Noor</p>	<p><b>058</b>  <b>EGL WEB SERVICES FOR REAL TIME BUSINESS</b>                  Atul Gupta</p>
1530 – 1545 hrs	<p><b>051</b>  <b>IP LOOK UP SCHEME BASED ON HASHING ALGORITHM AND PARALLEL PROCESSING FOR IPV6</b>                  Faiza Gul, Qurat-ul-Ain Rubab and Zara Hassan</p>	<p><b>054</b>  <b>INVESTIGATION MODELING AND ITS APPLICATION IN SUPPLY CHAIN MANAGEMENT ON IMPORTANCE OF SIMULATION</b>                  Afsaneh Noori Houshyar</p>	<p><b>060</b>  <b>APPLICATION OF EMBEDDED PATCH IN DOUBLE-STRAP ADHESIVE JOINT UNDER BENDING</b>                  YaşarAyaz and Şemsettin Temiz</p>
1545 – 1600 hrs	<p><b>052</b>  <b>ANALYSIS OF FUZZY CLUSTERING ALGORITHM FOR INDUSTRIAL PROCESS MONITORING</b>                  Kiran Jyoti and Satyaveer Singh</p>	<p><b>055</b>  <b>GEARED TURBOFAN AS A STEP AHEAD</b>                  Abhinav Purohit</p>	<p><b>053</b>  <b>PERFORMANCE EVALUATION OF LUBY TRANSFORMS CODES FOR MU-MIMO OFDM-LTE SYSTEMS</b>                  P.Krishna, K.Kishan Rao and T.Anilkumar</p>
1600 – 1615 hrs	<p><b>056</b>  <b>COMPUTATIONAL COMPLEXITY INVESTIGATION OF PAPR REDUCTION SCHEMES IN OFDM SIGNALS</b>                  Somayeh Mohammady, Nasri Sulaiman, Roslina Mohd Sidek and Mohd Nizar Hamidon</p>	<p><b>059</b>  <b>MODELING WITH ARTIFICIAL NEURAL NETWORK FOR COMPRESSIVE STRENGTH OF CONCRETES INCLUDING PUMICE AGGREGATE AT ELEVATED TEMPERATURES</b>                  İbrahim Türkmen, A. Ferhat Bingöl, Ahmet Tortum, Ramazan Demirboğa and Rüstem Gül</p>	<p><b>064</b>  <b>EFFECT OF CULTIVATION SYSTEM ON THE METHANE EMISSION FROM RICE SOIL</b>                  P.Fazli, Hasfalina C. M., M. Azwan<sup>1</sup>, Azni I., Umi Kalsom M. Shah and Aimrun W.</p>

1615 – 1630 hrs	<b>027</b> <b>RECENT TECHNIQUES ON GM-C FILTERS</b> Sara Razavi, Nasri Sulaiman, Somayeh Mohammady and Roslina Mohd Sidek	<b>066</b> <b>A COMPREHENSIVE STUDY TO DEVELOP A NEW DESIGN FOR SANDSTONE ACIDIZING</b> Mian Umer Shafiq, Muhannad Talib Shuker and Aung Kyaw	<b>065</b> <b>DESIGN OF WEIGHT GRADER FOR PINEAPPLE</b> Asnor Juraiza Ishak, Rosnah Shamsudin, Wan Zuha Wan Hassan and Nurnazeera Zulkefli
1630 – 1645 hrs	<b>067</b> <b>MONTE CARLO SIMULATIONS AND DESIGN OF EXPERIMENT USED TO DETECT INFLUENT FACTORS OF TRACKING SYSTEM</b> F.Ezedine, W.M. Wan Muhamad, J.M. Linares, J.M. Sprauel, J. Othman		
1630 – 1700 hrs	<b>TEA BREAK</b>		

**WRICET2012 TECHNICAL VISIT**  
**(5<sup>th</sup> December 2012, Wednesday)**

0915 – 1530 hrs	VISIT TO PUTRAJAYA HOLDING AND END OF SESSION
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**EXHIBITION & POSTERS**

<b>POSTER SESSION</b> <b>(3<sup>rd</sup> December 2012, Monday)</b>	
1	<b>SAGO BIOSORBENT FOR OILY WASTEWATER REMOVAL</b> Rafeah Wah, Luqman Chuah Abdullah, Thomas Choong Shean Yaw, Zainab Ngaini and Mohsen Nouruzzi
2	<b>OPTIMIZATION AND KINETIC STUDY OF GAHARU OIL EXTRACTION</b> Muhammad Hazwan Hamzah, Azlina Mohd Fauzi, Hasfalina Che Man, Zurina Zainal Abidin and Hishamuddin Jamaludin
3	<b>DEVELOPMENT OF A KENAF HARVESTING MACHINE</b> Solomon Musa, Desa Ahmad, Khalina Abdan and Jamarei Othman
4	<b>CASE REVIEW ON CONTINUOUS IMPROVEMENT STUDY OF HIGH EFFICIENCY FILTER PERFORMANCE WITH SPECIAL EMPHASIS ON OPERATIONAL BENCHMARKING MEASURES AND CONTAINANT IDENTIFICATION APPROACH ON OILFIELD'S CLOSED LOOP COOLING WATER TREATMENT SYSTEM</b> Lim Sun Fong, William Yong, Zainudin Mustaffa, Shahzada mohd nisar, and Luqman Chuah
5	<b>EXPERIMENTAL AND NUMERICAL STRENGTH ANALYSIS OF DOUBLE LAP JOINTS SUBJECTED TO TENSILE LOADS</b> Hamit Adin and Şemsettin Temiz
6	<b>A PATTERN RECOGNITION-BASED MYOELECTRIC CONTROL SYSTEM SCHEME FOR A PROSTHETIC HAND</b> Hessam Jahani Fariman
7	<b>METHANE PRODUCTION FROM CO-DIGESTION OF POULTRY MANURE AND FOOD WASTE</b> Tengku Roslina Tuan Yusof, Hasfalina Che Man and Dayang Radiah Awang Biak
8	<b>REMOVAL OF BORON FROM WATER USING TARTARIC ACID MODIFIED MULTI-WALLED CARBON NANOTUBES</b> Nima Zohdi, Thomas Choong Shean Yaw, Soraya Hosseini, Luqman Chuah Abdullah and Fariba Mahdavi
9	<b>PRODUCTION OF PALM-BASED SOPHOROLIPIDS</b> Nurliana M., Dayang Radiah A. B., Zurina Z. A. and Abd Rashid Y.
10	<b>MODELING OF CHITOSAN TREATING PALM OIL MILL EFFLUENT BY ARTIFICIAL NEURAL NETWORK</b> Husna Ahmad Tajuddin, Luqman Chuah Abdullah, Azhari Samsu Baharuddin, Azni Idris and Thomas Choong
11	<b>WAREHOUSE STRATEGIC DECISION MAKING AT COMPLETELY KNOCKED DOWN AUTOMOTIVE PLANT</b> Faieza Abdul Aziz, A.R.M. Ubaidallah and K. Syakirah
12	<b>CRUDE PALM OIL AS A BIOADDITIVE IN POLYPROPYLENE BLOWN FILMS</b> Emiliana Rose Binti Jusoh @ Taib
13	<b>SIMPLIFICATION ON MANUFACTURING PROCESS IN WAFER INDUSTRY</b> Faieza Abdul Aziz, T. Mohamad Faizal and A. Shukriah
14	<b>IMPROVEMENT ON MONORAIL-TRACKED VEHICLE LAYOUT TO REDUCE CONGESTION IN WAFER FABRICATION PROCESS</b> Faieza Abdul Aziz, Mohd Adlan Bin Muhammad and Siti Juwairiyah Abdul Muttalib

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21	<b>MICROSTRUCTURE AND PROPERTY OF DILUTE Al-Mg-Si ALLOY</b> Che Nor Aiza Jaafar and Ismail Zainol
22	<b>IMPACT OF WORK ENVIRONMENT ON EMPLOYEE PERFORMANCE IN EDUCATIONAL INSTITUTIONS</b> Faieza Abdul Aziz, M.R. Mohd Noor Hanif and A. Shukriah

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