



KEYNOTE SESSIONS

Venue – A : ME Seminar Room (EME Building, 1st Floor)

Day – 1 (26 November 2015 Thursday)	
11:20 am – 12:00 pm Keynote-I	<p>Title: THE FLAME THAT COOLS: ABSORPTION COOLING Speaker: Prof. Ahmed F. Elsafty, American University of the Middle East KUWAIT Chair: Prof. Dr. Shyamal Kanti Biswas Co-Chair: Prof. Dr. Md. Tazul Islam</p>
12:00 pm – 12:40 pm Key Note – II	<p>Title: BIOMASS SAMPLING AND ITS IMPORTANCE FOR MECHANICAL ENGINEERS Speaker: Prof. Henrik Kofoed Nielsen, University of Agder, NORWAY Chair: Prof. Dr. M. H. Khan Co-Chair: Prof. Dr. Bodius Salam</p>
04:20 pm – 05:00 pm Key Note – III	<p>Title: GLOBAL COMPETENCY FOR ENGINEERS Speaker: Prof. Abu S. M. Masud, Wichita State University, USA Chair: Prof. Dr. A. K. M. Sadrul Islam Co-Chair: Prof. Dr. Md. Mahbubul Alam</p>
Day – 2 (27 November 2015 Friday)	
09:00 am – 09:40 am Key Note – IV	<p>Title: DEVELOPMENT OF RENEWABLE ENERGY SECTOR IN BANGLADESH: IS THE GOAL ACHIEVABLE? Speaker: Prof. A. K. M. Sadrul Islam, Islamic University of Technology BANGLADESH Chair: Prof. Dr. Md. Tazul Islam Co-Chair: Prof. Dr. Sajal Chandra Banik</p>
Day – 3 (28 November 2015 Saturday)	
09:20 am – 10:00 am Key Note – V	<p>Title: IMPACT OF VELOCITY ON SCALING & PARTICLE CAPTURING Speaker: Prof. M. Masud K. Khan, Central Queensland University AUSTRALIA Chair: Prof. Dr. Bodius Salam Co-Chair: Prof. Dr. Jamal Uddin Ahamed</p>



TECHNICAL SESSION – I (A)

Venue – A : *ME Seminar Room (EME Building, 1st Floor)*

Field: Renewable Energy-I

Date: 26 November 2015 Thursday

Time: 02:30 pm – 04:00 pm

Chair: Prof. Dr. A. K. M. Sadrul Islam

Co-Chair: Dr. Md. Mizanur Rahman

Paper ID	Paper Title and Authors
PI-006	DESIGN AND FABRICATION OF A SELF-POWERED SOLAR TRACKER <i>Tamanna Billah* and S. M. Humayun Kabir</i>
PI-057	FEASIBILITY STUDY OF THE COST EFFECTIVE HYBRID POWER SYSTEM FOR CUET IN BANGLADESH <i>Pujan Kumar Chowdhury Mishu*, Ainul Anam Shahjamal Khan and Md. Mahbubur Rahman</i>
PI-074	PROSPECTS OF SOLAR POWER AND ITS APPLICATIONS IN BANGLADESH <i>Md. Ishtiaq Ahmed Turzo, Shahedul Islam* and Rubel Chandra Das</i>
PI-102	ANALYSIS OF PETROLEUM PRODUCTION FROM COCONUT HUSKS AND SHELLS BY FISCHER–TROPSCH PROCESS <i>Israt Jahan Duti*, Maisha Maliha and Ruhul Amin</i>
PI-138	SIMULATION AND OPTIMIZATION OF HIGH PERFORMANCE CIGS SOLAR CELLS <i>Fatema Tuz Zohora *, Mahmud Abdul Matin Bhuiyan and Samiya Saimoom</i>
PI-226	INCREASING EFFICIENCY OF A TWISTED BLADE VERTICAL AXIS WIND TURBINE (VAWT) BY CHANGING VARIOUS PARAMETER <i>A. A. Safe, M. Moniruzzaman and M. T. Islam</i>
PI-264	SOLAR DESALINATION IN BANGLADESH: PROGRESS, PROSPECT AND CHALLENGES <i>Abu Shoaib Saleh*</i>



TECHNICAL SESSION – I (B)

Venue – B : *Computer Lab (EME Building, 1st Floor)*

Field: Project Management /Production and
Operation Management

Date: 26 November 2015 Thursday

Time: 02:30 pm – 04:00 pm

Chair: Prof. Dr. Mohammad Iqbal

Co-Chair: Dr. Majedul Islam

Paper ID	Paper Title and Authors
PI-015	REHABILITATION OF SICK INDUSTRIAL PROJECTS OF BANGLADESH <i>A. K. M. Solyman Hoque, S. K. Biswas and M. A. Wazed*</i>
PI-016	CHANGING PHASE OF PUBLIC SECTOR IN INDUSTRIAL GROWTH OF BANGLADESH <i>A. K. M. Solyman Hoque, S. K. Biswas and M. A. Wazed*</i>
PI-225	STUDY ON MERITS AND DEMERITS OF TWO TRANSPORT SYSTEMS: BATTERY OPERATED EASY BIKE WITH MOTOR OPERATED RICKSHAW AT SYLHET CITY IN BANGLADESH <i>Mohammad Iqbal, Rakibul Hasan and Tanvir Ehsan</i>
PI-235	DEVELOPMENT OF A CNG AUTO RICKSHAW DRIVE SHAFT FROM A LOCALLY AVAILABLE MATERIAL <i>Md Emdadul Hoque, Robiul Islam Rubel* and Md. Jafor Iqbal</i>
PI-236	APPLICATION OF VALUE STREAM MAPPING (VSM) IN REDUCING PRODUCTION LEAD TIME <i>Antor Habib Chowdhury* and Sakib Shahriar</i>
PI-258	INTEGRATED WATER MANAGEMENT SYSTEM IN RESIDENTIAL BUILDING <i>B M Hanafi*, A Houque and M Ahmad</i>
PI-275	APPLICATION OF RAND ALGORITHM IN INVENTORY REPLENISHMENT FOR A TEXTILE INDUSTRY <i>Mohammad Sarwar Morshed, Mostafa Mashnoon Kamal, Somaiya Islam Khan*, Khaled Ferdous and Sharmin Noor Juhi</i>



TECHNICAL SESSION – I (C)

Venue – C : *Postgraduate Research Lab (EME Building, Ground Floor)*

Field: Aerodynamics-I

Date: 26 November 2015 Thursday

Time: 02:30 pm – 04:00 pm

Chair: Prof. Dr. Md. Mahbubul Alam

Co-Chair: Dr. Kazi Afzalur Rahman

Paper ID	Paper Title and Authors
PI-152	DESIGN OF A FIFTH GENERATION AIR SUPERIORITY FIGHTER AIRCRAFT <i>Md Saifuddin Ahmed Atique, Shuvrodeb Barman*, Asif Shahriar Nafi, Masum Bellah and Md. Abdus Salam</i>
PI-227	AN EXPERIMENTAL INVESTIGATION OF ACTIVE CONTROL OF FULLY SEPARATED FLOW OVER A SYMMETRICAL CIRCULAR ARC AIRFOIL <i>Mohammad Mashud* and Md. Arafat Hossain</i>
PI-229	AN EXPERIMENTAL INVESTIGATION OF THE EFFECT OF ASPECT RATIO ON THE AIRFOIL PERFORMANCE <i>Rehan Uddin*, Md. Assad-Uz-Zaman, Rubiat Mustak, Mohammad Mashud</i>
PI-231	DESIGN AND CONSTRUCTION OF A RADIO CONTROLLED AIR PLANE BY USING DELTA WING <i>Md. Sojib Kaisar *, Nizam Uddin, Mohammad Mashud</i>
PI-233	EXPERIMENTAL STUDY OF PASSIVE FLOW SEPARATION CONTROL OVER A NACA 0012 AIRFOIL <i>Mahbubur Rahman*, Md. Amzad Hossain, Md. Nizam Uddin and Mohammad Mashud</i>
PI-259	SOLVING AIRCRAFT PROBLEMS WITH SMART MATERIALS <i>Md. Hannanur Rashid Saddam*</i>



TECHNICAL SESSION – I (D)

Venue – D : Mechanics Lab (EME Building, 2nd Floor)

Field: Leather/Textile Technology

Date: 26 November 2015 Thursday

Time: 02:30 pm – 04:00 pm

Chair: Prof. Dr. Jamal Uddin Ahamed

Co-Chair: Dr. Md. Abul Hashem

Paper ID	Paper Title and Authors
PI-151	USING EXTRACTED FAT FROM COWHIDE FLESHINGS IN TANNERY FOR SOAP PRODUCTION <i>Md. Abul Hashem* and Md. Shahruk Nur-A-Tomal</i>
PI-156	AN EMERGING APPROACH IN FOOTWEAR INDUSTRY TO INTRODUCE FINITE ELEMENT ANALYSIS METHOD FOR PHYSICAL PROPERTIES OF THE OUTSOLE <i>Md. Samsul Arefin, Nil Ratan Mondal, Md. Minar Ahmed and Md. Abul Hashem*</i>
PI-172	THE DEVELOPMENT AND QUALITY ENHANCEMENT OF MEDICATED FOOTWEAR FOR CONSCIOUSNESS ABOUT FOOT TROUBLES OF THE DIABETIC PATIENTS. <i>Sujit Kumar Ray, Adhir Chandra Paul*, Md. Ashraful Islam and Mihir Dutta</i>
PI-213	COMPARATIVE EVALUATION OF ENVIRONMENTAL IMPACT OF LEATHER PROCESS USING LCA METHODOLOGY <i>Zia Uddin Md. Chowdhury*, Md. Ariful Islam Juel and Hira Lal Paul</i>
PI-216	CARBON/KEVLAR REINFORCED HYBRID COMPOSITE: IMPACT OF MATRIX VARIATION <i>Md. Milon Hossain*, M A Khan, R A Khan, Md. Abu Bakar Siddiquee and Tauhidul Islam</i>



TECHNICAL SESSION – II (A)

Venue – A : *ME Seminar Room (EME Building, 1st Floor)*

Field: Renewable Energy-II

Date: 27 November 2015 Friday

Time: 10:00 am – 11:30 am

Chair: Prof. Dr. A. K. M. Sadrul Islam

Co-Chair: Dr. Md. Mizanur Rahman

Paper ID	Paper Title and Authors
PI-021	BIOMASS- THE PERFECT ALTERNATIVE FOR ENERGY SITUATION IN BANGLADESH <i>Ahmad Fahad Tayab* and Tashfia Nusrat</i>
PI-060	MEASURING EFFICIENCY OF BUCK-BOOST CONVERTER USING WITH AND WITHOUT MODIFIED PERTURB AND OBSERVE (P&O) MPPT ALGORITHM OF PHOTO-VOLTAIC (PV) ARRAYS <i>Deepak Kumar Chy. and Md. Khaliluzzaman*</i>
PI-087	RENEWABLE ENERGY FROM DAILY WASTES IN BANGLADESH <i>Goutam Das* and Nurul Anwar</i>
PI-117	A NOVEL ULTRAPORTABLE CHARCOAL KILN CUM CLEAN COOK STOVE FOR ENHANCING BIOMASS FUEL USE EFFICIENCY <i>Md. Ikramul Aziz, Mahfuza Karim, Tarit Kumar Baul and Mohammad Mosharraf Hossain*</i>
PI-178	AN OVERVIEW ON RENEWABLE ENERGY SCENARIO AND PROSPECT OF NUCLEAR ENERGY IN BANGLADESH <i>Md. Mohai Menur Rahim*, Mohammed Hosam-E-Haider and Rabiul Islam</i>
PI-237	SECOND GENERATION BIO-FUELS: A REVIEW <i>Tashfia Nusrat* and Ahmad Fahad Tayab</i>
PI-274	AZIMUTH-ALTITUDE DUAL AXIS SOLAR TRACKER <i>Sabir Hossain*, Bodius Salam, Al Shahriar and Manash Chakraborty</i>



TECHNICAL SESSION – II (B)

Venue – B : *Computer Lab (EME Building, 1st Floor)*

Field: Automation and Mechatronics-I

Date: 27 November 2015 Friday

Time: 10:00 am – 11:30 am

Chair: Prof. Dr. Kaushik Deb

Co-Chair: Dr. Ujjwal Kumar Deb

Paper ID	Paper Title and Authors
PI-010	A COMBINATION SYSTEM MODEL OF NEURAL NETWORK FOR REDUCING NONLINEAR PROBLEM OF A DC SERVO MOTOR SYSTEM <i>Puja Chowdhury*, Debdatta Das and S. C. Banik</i>
PI-012	AN APPLICATION OF NEURO - FUZZY ADAPTIVE PID CONTROLLER A DIRECT DIVE VOLUME CONTROL HYDRAULIC PRESS <i>Debdatta Das*, Puja Chowdhury, Mohammad Wajih Alam and S. M. Rifat Iftekher</i>
PI-055	DESIGN AND PERFORMANCE EVALUATION OF GSM BASED HOME SECURITY USING HYBRID SENSOR ARRAY <i>Nafize Ishtiaque Hossain* and Sakib Reza</i>
PI-141	GSM BASED DC MOTOR CONTROL <i>Rashed Md Murad Hasan *, Mirza Abdullah Al Maruf and Md Atif Bin Karim</i>
PI-188	IMAGE PROCESSING BASED AUTONOMOUS WEAPON <i>Goutam Das, Nurul Anwar and Kazi Afzalur Rahman*</i>
PI-240	MODELLING OF SURVEILLANCE CAMERA MOVEMENT BY FULFILLING CUSTOMER REQUIREMENT <i>Md. Shahid Ullah*</i>
PI-252	A WALKING AID FOR VISUALLY IMPAIRED PEOPLE BY VOICE GUIDANCE SYSTEM IN MOBILE AND FREE NAVIGATION <i>Kashfia Mahin* and Md. Tazul Islam</i>



TECHNICAL SESSION – II (C)

Venue – C : *Postgraduate Research Lab (EME Building, Ground Floor)*

Field: Aerodynamics-II

Date: 27 November 2015 Friday

Time: 10:00 am – 11:30 am

Chair: Prof. Dr. Jamal Uddin Ahamed

Co-Chair: Dr. Majedul Islam

Paper ID	Paper Title and Authors
PI-126	DESIGN AND ANALYSIS OF THE AERODYNAMICS SHAPE AND SIZE OF HIGHWAY BUSES IN BANGLADESH <i>Md. Maksudur Rahman* and Md. Mamunur Roshid</i>
PI-208	DESIGN AND FABRICATION OF AN AUTONOMOUS SURVEILLANCE HEXACOPTER <i>Md. Abdus Salam, S. M. Anwarul Aziz*, Muhammad Maruf Islam, Kh. Md. Faisal and Md Arafat Islam</i>
PI-228	DESIGN AND DEVELOPMENT OF DUCTED VTOL UAV <i>Md. Shafayete Hossain*, Md. Enamul Haque, Md. Rasedul Islam, Mohammad Mashud</i>
PI-230	EFFECT OF DIFFERENT SHAPED DIMPLES ON AIRFOILS <i>RubiatMustak*, MD. NizamUddin and Mohammad Mashud</i>
PI-232	PASSIVE FLOW SEPARATION CONTROL BY STATIC EXTENDED TRAILING EDGE <i>Mahfuja Akter*, Md. Tanvir Ibne Gias , Rubiat Mustak and Mohammad Mashud</i>
PI-234	DESIGN AND CONSTRUCTION OF AN UNMANNED AERIAL VEHICLE BASED ON COANDA EFFECT <i>Md. Enamul Haque*, Md. Shafayate Hossain, Md. Assad-Uz-Zaman and Mohammad Mashud</i>



TECHNICAL SESSION – II (D)

Venue – D : Mechanics Lab (EME Building, 2nd Floor)

Field: Structural Mechanics

Date: 27 November 2015 Friday

Time: 10:00 am – 11:30 am

Chair: Prof. Dr. Md. Saiful Islam

Co-Chair: Dr. Sk. Md. Humayun Kabir

Paper ID	Paper Title and Authors
PI-005	EFFECTS OF DIFFERENT SIZES OF AGGREGATES ON COMPRESSIVE STRENGTH OF CONCRETE <i>B. Ahmed* and M. Rahman</i>
PI-144	PERFORMANCE OF PCC CONCRETE IN NaCl ENVIRONMENT- A REVIEW <i>Md. Atiqul Islam*, Md. Muazzem Hossain and Md. Saiful Islam</i>
PI-185	PARTICIPATORY EARTHQUAKE VULNERABILITY ASSESSMENT: A CASE STUDY ON MOTIJHORNA SLUM <i>Kazi Mahfuzur Rahman* and Nasrin Akter Hashi</i>
PI-194	PROSPECT OF SLAG IN MAKING STRUCTURAL CONCRETE FOR MARINE ENVIRONMENT <i>Md. Moinul Islam* and Md. Saiful Islam</i>



TECHNICAL SESSION – III (A)

Venue – A : *ME Seminar Room (EME Building, 1st Floor)*

Field: Electro-Mechanical System-I

Date: 27 November 2015 Friday

Time: 11:40 am – 01:00 pm

Chair: Prof. Dr. Mohammed Moshiul Hoque

Co-Chair: Dr. Kazi Afzalur Rahman

Paper ID	Paper Title and Authors
PI-009	A STUDY ON AN ENERGY SAVING METHOD OF BOOM CYLINDER IN ELECTRO-HYDRAULIC EXCAVATOR <i>Debdatta Das*</i> , <i>Puja Chowdhury</i> , <i>Mohammad Wajih Alam</i> , <i>S. M. Rifat Iftekher</i> and <i>J. U. Ahamed</i>
PI-071	AN EXPLORATION OF SOLAR - DIESEL HYBRID IRRIGATION SYSTEM IN BANGLADESH <i>Md Abul Hasnat*</i> , <i>Muhammad Naimul Hasan</i> and <i>Md. Nurul Islam</i>
PI-211	INTELLIGENT COOLING SYSTEM FOR MACHINING <i>A H M FazleElahi*</i> , <i>Zinat Ara Nisha</i> and <i>Imam-Ul-Ferdous</i>
PI-266	DEVELOPMENT OF AN INTELLIGENT GSM BASED AUTOMATIC METER READING SYSTEM <i>Insan Arafat Jamil</i> , <i>Jahedul Islam</i> , <i>Sajidur Rahman*</i> and <i>Md. Monowarul Islam</i>
PI-269	DESIGN AND FABRICATION OF A LOW COST BALLAST SYSTEM FOR DISTANT CONTROLLED SUBMARINE <i>Mehedi Hasan Tusar*</i> , <i>Md. Kamrul Hasan</i> , <i>M. A. B. Sikder</i> , <i>N. B. Chowdhury</i> and <i>M. H. Fakir</i>
PI-277	ESTIMATION OF STATE OF CHARGE FOR LEAD ACID BATTERY BASED ON OPEN-CIRCUIT VOLTAGE AND ENERGY METHOD <i>N. K. Das*</i> , <i>Muhammad Ali</i> and <i>Md. Sabuj Islam</i>



TECHNICAL SESSION – III (B)

Venue – B : *Computer Lab (EME Building, 1st Floor)*

Field: Material Science/Engineering Materials

Date: 27 November 2015 Friday

Time: 11:40 am – 01:00 pm

Chair: Prof. Dr. Md. Tazul Islam

Co-Chair: Dr. Md. Abu Mowazzem Hossain

Paper ID	Paper Title and Authors
PI-075	A REVIEW ON PHASE FIELD MODELING OF THE PHASE TRANSFORMATION (AUSTENITE–FERRITE) IN LOW CARBON STEELS <i>Md. Mahabub Hasan Mousum*, A. M. Rahman and Mahmud Islam</i>
PI-079	USE OF GEOPOLYMER CONCRETE AS GREEN CONSTRUCTION MATERIAL- A REVIEW <i>Opu Chandra Debanath, Md. Saiful Islam and Md. Moinul Islam</i>
PI-218	SOFT LITHOGRAPHY BASED PRINTED METHYL AMMONIUM IODIDE HYBRID ORGANO METAL PEROVSKITE SOLAR CELL WITHOUT HOLE TRANSPORTING LAYER <i>Md. Mehedi Hasan*, Abu Hamja and Muhammad Kamrul Islam</i>
PI-242	STUDY OF THE MECHANICAL, PHYSICAL AND THERMAL PROPERTIES OF COCONUT SPATHE FIBER REINFORCED UNSATURATED POLYESTER COMPOSITE. <i>Sajib Aninda Dhar *, Debashish Roy, M. A. Gafur and Most. Sheauly Khatun</i>
PI-250	BIMETALLI CCu-Ni CATALYST FOR AQUEOUS-PHASE REFORMING OF GLYCEROL <i>M. M. Rahman* and Andrew T. Harries</i>



TECHNICAL SESSION – III (C)

Venue – C : *Postgraduate Research Lab (EME Building, Ground Floor)*

Field: Heat and Mass Transfer/HVAC-I

Date: 27 November 2015 Friday

Time: 11:40 am – 01:00 pm

Chair: Prof. Dr. Bodius Salam

Co-Chair: Dr. Majedul Islam

Paper ID	Paper Title and Authors
PI-014	DESIGN AND FABRICATION OF CONICAL PIN FIN ARRAY <i>Jamal Uddin Ahamed*</i> , <i>Md. Khaledur Rahman</i> , <i>M. A. Razzaq</i> , <i>Md. Mahbubur Rahman</i> and <i>S. M. R. Iftokhar</i>
PI-113	ENHANCEMENT OF HEAT TRANSFER USING U-SHAPED TWISTED TAPE INSERTS IN DIFFERENT SPACING FOR TURBULENT FLOW <i>Jamal Uddin Ahamed*</i> , <i>Himal Barman</i> , <i>Biplob Barman</i> , <i>Shailen Saha</i> , <i>Sazal Kumar Bala</i> , <i>Moham Ed Abdur Razzaq</i>
PI-132	COMPARATIVE STUDY OF POROUS CONICAL PIN FIN ARRAY BASED ON FREE CONVECTIVE HEAT TRANSFER <i>J.U. Ahamed*</i> , <i>M. A. Razzaq</i> and <i>Md. Younus Ali</i>
PI-196	DESIGN FABRICATION AND PERFORMANCE STUDY OF A LOW TEMPERATURE DIFFERENTIAL STIRLING ENGINE <i>Md Arafat Islam*</i> , <i>Md Rejwanul Haque</i> , <i>Kh. Md. Faisal</i> and <i>Maidul Islam</i>
PI-222	DESIGN & FABRICATION OF AN EVAPORATIVE COOLING SYSTEM <i>Md. Rakibuzzaman*</i> and <i>M. A. Wazed</i>
PI-254	DESIGN AND FABRICATION OF A GRAVITY POWERED LIGHT <i>Md. Shahed Hossen</i> , <i>Md. Tazul Islam*</i> and <i>Sabir Hossain</i>



TECHNICAL SESSION – III (D)

Venue – D : Mechanics Lab (EME Building, 2nd Floor)

Field: Computational Fluid Dynamics-I

Date: 27 November 2015 Friday

Time: 11:40 am – 01:00 pm

Chair: Prof. Dr. Md. Mahbubul Alam

Co-Chair: Dr. Ujjwal Kumar Deb

Paper ID	Paper Title and Authors
PI-018	STUDY THE THERMAL-DIFFUSION AND DIFFUSION-THERMO EFFECT ON MAGNETOHYDRODYNAMIC (MHD) BOUNDARY LAYER FLOW OF HEAT & MASS TRANSFER OVER A STRETCHING SHEET IN A ROTATING SYSTEM <i>M. Ali*</i> , <i>M. S. Alam</i> , <i>M. A. Alim</i> , <i>S. M. Humayun Kabir</i> and <i>S. Imamul Hossain</i>
PI-058	PERFORMANCE OF NANOFLUID IN FREE CONVECTIVE HEAT TRANSFER INSIDE A CAVITY WITH NON-ISOTHERMAL BOUNDARY CONDITIONS <i>Salma Parvin *</i> , <i>Raju Chowdhury</i> , <i>M. A. H Khan</i> and <i>M. A. Alim</i>
PI-109	EFFECT OF DISCRETE HEATER IN A TRIANGULAR CAVITY FILLED WITH NON-NEWTONIAN POWER LAW FLUID <i>Tawfiqur Rakib*</i> , <i>Sourav Das</i> , <i>Khan Md. Rabbi</i> , <i>Satyajit Mojumder</i> and <i>Sourav Saha</i>
PI-143	NUMERICAL MODELING OF TURBULENT FLOW THROUGH BEND PIPES <i>Rana Roy Chowdhury*</i> , <i>Md. Mahbubul Alam</i> and <i>A. K. M Sadrul Islam</i>
PI-244	RESEARCH ON INSECT FLIGHT MECHANISM AND ITS OPTIMIZATION IN ORNITHOPTERS USING COMPUTATIONAL FLUID DYNAMICS <i>Moinak Banerjee</i> , <i>Ankit Jain</i> and <i>Aman Pande*</i>
PI-261	CFD ANALYSIS OF SPOILER'S CREATED DRAG & DOWNFORCE WITHCHANGING ANGLE OF ATTACK <i>Rubel Chandra Das*</i> , <i>Md. Rubaiat Islam</i> , <i>Shahedul Islam</i> and <i>Mohammad Mashud</i>



TECHNICAL SESSION – IV (A)

Venue – A : *ME Seminar Room (EME Building, 1st Floor)*

Field: Electro-Mechanical System-II

Date: 27 November 2015 Friday

Time: 03:00 pm – 04:30 pm

Chair: Prof. Dr. Mahmud Abdul Matin Bhuiyan

Co-Chair: Dr. Muhammad Ahsan Ullah

Paper ID	Paper Title and Authors
PI-008	MODELING AND CONTROLLING OF AN ELECTRO-HYDRAULIC ACTUATOR NOVEL BY USING INDEPENDENT METERING VALVE <i>Debdatta Das*</i> , <i>Mohammad Wajih Alam</i> and <i>S. M. Rifat Iftekher</i>
PI-042	AUTOMATIC PRODUCT SHRINK WRAP MACHINE <i>Sk. Md. Golam Mostafa*</i> , <i>Md. Shahariar Newaz</i> and <i>Ridowanul Islam</i>
PI-150	DESIGN OF A MICROCONTROLLER BASED ECONOMIC MAGLEV GUIDEWAY SYSTEM <i>Shahidul Islam Khan*</i> , <i>Md. Shaleh Palvi</i> and <i>Md. Kamrul Hassan</i>
PI-257	A PRACTICAL APPROACH TO WIRELESS IRRIGATION SCHEME USING GSM TECHNOLOGY <i>Md. Mamunoor Islam*</i> , <i>Mehdi Hasan Chowdhury</i> and <i>Md. Anwar Hossain</i>
PI-267	A VEDIO WATERMARKING SCHEME USING SECOND LEVEL DISCRETE WAVLETTRANSFORMATION (DWT) AND FAST FOURIER TRANSFORMATION (FFT) <i>Md. Rahat Mahmud*</i> , <i>Tahmina Khanam</i> and <i>Kaushik Deb</i>
PI-271	WALKING ASSISTANCE SYSTEM FOR VISUALLY IMPAIRED PEOPLE <i>Md. Kishwar Hossain Bh.*</i> , <i>Md. Ibne Imraj Sikder</i> and <i>Rashed Md. Murad Hasan</i>
PI-276	DESIGN AND IMPLEMENTATION OF A ROBOTIC LAWN MOWER <i>N. K. Das*</i> , <i>Rajib Ghose</i> and <i>Md. Monowarul Islam</i>



TECHNICAL SESSION – IV (B)

Venue – B : *Computer Lab (EME Building, 1st Floor)*

Field: Robotics

Date: 27 November 2015 Friday

Time: 03:00 pm – 04:30 pm

Chair: Prof. Dr. Sajal Chandra Banik

Co-Chair: Dr. Sk. Md. Humayun Kabir

Paper ID	Paper Title and Authors
PI-056	DEVELOPMENT OF ADVANCED PAINTING SYSTEM <i>Md. Amirul Mominin*</i> , Chandan Dev Sharma, Md. Tazul Islam, Syed Masrur Ahmmad
PI-092	DESIGN AND IMPLEMENTATION OF A REMOTELY CONTROLLED MOBILE RESCUE ROBOT <i>Mohammed Saifuddin Munna*</i> , Md. Kamrojjaman, Mohammad Ariful Islam Bhuyan and Mosharaf Ahmed Chowdhury
PI-093	DESIGN OF AN INTELLIGENT HELMET FOR MINE WORKERS <i>Md. Mahbubul Alam, Partha Pratim Chakraborty*</i> , Shuva Biswas and A. M. Jahirul Islam
PI-097	DESIGN AND FABRICATION OF A ROBOTIC ARM FOR INTERIOR WALL PAINTING <i>Nwomey Subayer*</i> , Prantik Roy Chowdhury, Anik Samadder and Sajal Chandra Banik
PI-120	DESIGN OF A TELE-OPERATED ROBOTIC HAND WITH IMITATIVE FEATURE <i>Shuva Biswas*</i> , Partha Pratim Chakraborty and A. M. Jahirul Islam
PI-148	DESIGN A ROBOTICS HEAD TO INTERACT WITH HUMANS USING NON-VERBAL GAZE FOLLOWING <i>Mohd. Habib Ullah*</i> , Rahat Hossain Samit and Mohammed Moshiul Hoque
PI-186	DESIGN AND FABRICATION OF AN OBJECT AVOIDER ROBOT WITH PREDEFINED OBJECT GRIPPER <i>Nahin Bahar Chowdhury*</i> , Sheikh Muhammad Humayun Kabir, Ali Mohammed Jobayer and Tasnimun Faika



TECHNICAL SESSION – IV (C)

Venue – C : *Postgraduate Research Lab (EME Building, Ground Floor)*

Field: Heat and Mass Transfer/HVAC-II

Date: 27 November 2015 Friday

Time: 03:00 pm – 04:30 pm

Chair: Prof. Dr. Bodius Salam

Co-Chair: Dr. Md. Abul Hashem

Paper ID	Paper Title and Authors
PI-013	EXPERIMENTAL INVESTIGATION OF THERMOELECTRIC POWER USING CANDLELIGHT <i>Dipta Sarkar, Md. Sanaul Rabbi, J. U. Ahamed* and M. A. Razzaq</i>
PI-023	ENERGY SAVING IN CRYOGENIC AIR SEPARATION PROCESS APPLYING SELF HEAT RECUPERATION TECHNOLOGY <i>Asma-Ul-Husna, Razia Hasan, Sk. Aysha Rashid and Muhammad Ruhul Amin*</i>
PI-112	AUGMENTATION OF HEAT TRANSFER USING COILED POROUS TWISTED TAPE INSERT <i>Himal Barman, Szal Kumar Bala, Sumana Biswas, Biplob Barman, Shailen Saha, Moham Ed Abdur Razzaq and Jamal Uddin Ahamed*</i>
PI-116	EFFECT OF MAGNETIC FIELD ON NATURAL CONVECTION IN SQUARE CAVITY FILLED WITH AL₂O₃-WATER NANOFLUID WITH SQUARE ANNULUS <i>Rabiul Hasan Kabir*, Moinuddin Shuvo, Khan Md. Rabbi, Bibekananda Datta, Satyajit Mojumder, Sourav Saha</i>
PI-170	AN EXPERIMENTAL ANALYSIS OF A HORIZONTAL EARTH TO AIR HEAT EXCHANGER (ETAHE) SYSTEM FOR HOT CLIMATIC CONDITION OF BANGLADESH <i>Mohammad Jia Uddin Chowdhury*, Bodius Salam and Md. Akefur Rahman</i>
PI-212	STUDY AND PERFORMANCE ANALYSIS OF ECO-FRIENDLY REFRIGERANT FOR RETROFITTING R22 IN RESPECT TO BANGLADESH <i>Md. Abdus Salam, J.U Ahamed*, M.A. Razzaq and Bodius Salam</i>
PI-224	INVESTIGATION OF HEAT TRANSFER CHARACTERISTICS OF A WATER TO WATER HEAT EXCHANGER: AN EXPERIMENTAL APPROACH <i>S. M. Mahbobur Rahman*, Kazi Ehsanul Karim and MD. Hasan Shahriar Simanto</i>



TECHNICAL SESSION – IV (D)

Venue – D : Mechanics Lab (EME Building, 2nd Floor)

Field: Computational Fluid Dynamics-II

Date: 27 November 2015 Friday

Time: 03:00 pm – 04:30 pm

Chair: Prof. Dr. Md. Mahbubul Alam

Co-Chair: Dr. Mohammad Mosharraf Hossain

Paper ID	Paper Title and Authors
PI-017	NUMERICAL SOLUTION OF MHD FREE CONVECTION OF HEAT AND MASS TRANSFER FLOW OVER AN INCLINED HOT PLATE WITH VISCOUS DISSIPATION AND HALL CURRENT <i>M. S. Alam*</i> , <i>M. Ali</i> , <i>M. M. Alam</i> and <i>S. M. Rifat Iftekher</i>
PI-029	HEAT GENERATION EFFECT ON NATURAL CONVECTION FLOW IN A RHOMBIC SHAPE CAVITY CONTAINING A RECTANGULAR BLOCK <i>Raju Chowdhury*</i> , <i>Salma Parvin</i> and <i>Md. Abdul Hakim Khan</i>
PI-166	ANALYSIS OF MICROALGAE SUSPENSION FLOW DYNAMICS IN CIRCULAR, HEXAGONAL AND SQUARE SHAPE TUBES <i>M. Shahriar*</i> , <i>M. I. Monir</i> , <i>S.M.R. Iftekher</i> and <i>U. K. Deb</i>
PI-248	DESIGN FABRICATION AND PERFORMANCE ANALYSIS OF A MODEL HYDROFOIL VESSEL <i>Md. Hasanuzzaman</i> and <i>Kazi Afzalur Rahman*</i>
PI-256	CONCEPTUAL DESIGN & TAKE-OFF WEIGHT ESTIMATION OF ATTACK FIGHTER AIRCRAFT <i>Afsani Kashem Prokrity*</i> , <i>K. M. Atiq Adnan</i> and <i>Nadia Mahmud</i>
PI-262	STUDY ON DRAG ANALYSIS OVER A COVERED VAN <i>Md. Sourove Akther Momin*</i> , <i>Mohammad Mashud</i> and <i>Mr. Md. Golam Kader</i>
PI-282	AERODYNAMIC ANALYSIS OF A CONCEPT CAR MODEL <i>S. Pal</i> , <i>S. M. H. Kabir</i> and <i>M. M. M. Talukder*</i>



TECHNICAL SESSION – V (A)

Venue – A : *ME Seminar Room (EME Building, 1st Floor)*

Field: Renewable Energy-III

Date: 28 November 2015 Saturday

Time: 10:20 am – 11:50 am

Chair: Prof. Dr. A. K. M. Sadrul Islam

Co-Chair: Dr. Kazi Afzalur Rahman

Paper ID	Paper Title and Authors
PI-050	WATER DISTILLATION METHOD USING SOLAR POWER <i>Anwarul Islam Sifat* and Md. Milon Uddin</i>
PI-072	DESIGN AND IMPLEMENTATION OF PV INTEGRATION INTO UTILITY GRID USING BUILDING ENERGY MANAGEMENT SYSTEM <i>Rehnuma Afrin* and M. Tazul Islam</i>
PI-091	HYBRIDIZATION OF HYDROPOWER, WIND ENERGY, SOLAR PV CELL IN CHITTAGONG, BANGLADESH <i>Md. Abdul Mannan Akanda*, A.K.M. Enamul Hoque, Md. Alauddin and Shimul Barua</i>
PI-124	PROMOTING SUSTAINABLE DEVELOPMENT: SOLAR ENERGY FOR THE URBAN BUILDING APPLICATION <i>Sujoy Barua* and S M Baque Billah</i>
PI-221	MULTIPLE CHARGERS WITH ADJUSTABLE VOLTAGE USING SOLAR PANEL <i>Hribhu Chowdhury and Md. Tazul Islam*</i>
PI-246	PRODUCTION OF ELECTRICITY FROM RENEWABLE ENERGY SOURCES FOR HOME APPLIANCES AND NANO-GRID <i>Md. Emdadul Hoque, Arindam Biswas*, Fazlur Rashid, Ashfaq Mohammad Saad and Pronay Kumar Bir</i>
PI-278	USE OF SOLAR TRACKING SYSTEM TO INCREASE THE EFFICIENCY OF PV CELL <i>M. R. Hasan*, S. Hasan, S. I. Hossain, M. R. Al-Mamun, M. Z. H. Khan</i>



TECHNICAL SESSION – V (B)

Venue – B : *Computer Lab (EME Building, 1st Floor)*

Field: Automation and Mechatronics-II

Date: 28 November 2015 Saturday

Time: 10:20 am – 11:50 am

Chair: Prof. Dr. Sajal Chandra Banik

Co-Chair: Dr. Muhammad Ahsan Ullah

Paper ID	Paper Title and Authors
PI-011	ENERGY SAVING MODEL DESIGN FOR SWING HYDRAULIC EXCAVATOR <i>Puja Chowdhury*</i> , <i>Debdatta Das</i> and <i>S. C. Banik</i>
PI-054	IMPLEMENTATION AND PERFORMANCE ANALYSIS OF REAL TIME HOME AUTOMATION SYSTEM USING ZIGBEE PROTOCOL <i>Nafize Ishtiaque Hossain*</i> and <i>Sakib Reza</i>
PI-083	DESIGN AND IMPLEMENTATION OF A PRIORITY BASED LOAD CONTROL SYSTEM BASED ON GSM TECHNOLOGY USING ANDROID APPLICATION <i>Nahin Bahar Chowdhury*</i> , <i>Bikash Kumar Bhawmick</i> , <i>Muhammad Ahsan Ullah</i> , <i>Muktadas</i> and <i>Tasnimun Faika</i>
PI-162	DESIGN AND IMPLEMENTATION OF A MICROCONTROLLER BASED VEHICLE CONTROLLER FOR WHEELCHAIR AUTOMATION <i>Shahidul Islam Khan*</i> , <i>Gazi Md. Omar Kaicher</i> and <i>Md. Kalimuddin</i>
PI-197	SIMULATION ANALYSIS of a GaN MESFET <i>Rashed Al Amin*</i> , <i>Md. Shahid Iqbal</i> , <i>Sardar Masud Rana</i> , <i>Md. Arif Anis</i> , <i>Md. Nazrul Islam</i> , <i>Md. Abid Hossain khan</i> and <i>Md. Asaduzzaman</i>
PI-223	AUTOMATIC VEHICLE SPEED SURVEILLANCE AND PENALTY SYSTEM <i>Sudip Barua*</i> , <i>Faisal Mahmud</i> and <i>Ainul Anam Shahjamal Khan</i>
PI-249	AUTOMATIC SPEED CONTROL OF A CAR TO AVOID COLLISION <i>Md. Rubel Hossain</i> and <i>Kazi Afzalur Rahman*</i>



TECHNICAL SESSION – V (C)

Venue – C : *Postgraduate Research Lab (EME Building, Ground Floor)*

Field: Energy Engineering and Conversion

Date: 28 November 2015 Saturday

Time: 10:20 am – 11:50 am

Chair: Prof. Dr. Md. Tazul Islam

Co-Chair: Dr. Md. Mizanur Rahman

Paper ID	Paper Title and Authors
PI-002	AN EXPERIMENTAL STUDY OF GENERATING LARGER VOLUME MICRO-DISCHARGES AND PREDICTION OF ITS PROBABLE ENGINEERING APPLICATION <i>Ratan Kumar Das* and A. Z. A. Saifullah</i>
PI-051	OVERVIEW OF PRESENT AND FUTURE SCENARIO OF JATROPHA CURCAS: A SOURCE OF RENEWABLE FUEL IN BANGLADESH <i>Rumana Subnom, Md. Zihadul Alam*, Jannatul Fardous Mugdho and Md Nurun Nabi</i>
PI-066	POWER GENERATION BY USING CANDLES <i>Imon Das* and Md. Tazul Islam</i>
PI-128	PATTERN OF RESIDENTIAL ELECTRICAL ENERGY CONSUMPTION IN CHITTAGONG CITY <i>Shibshankar Dey, K M Nazmul Islam and Mohammad Mosharraf Hossain*</i>
PI-207	DESIGN AND DEVELOPMENT OF A PARABOLIC DISH SOLAR COLLECTOR <i>Md Arafat Islam*, Kh. Md. Faisal, Md Rejwanul Haque and Maidul Islam</i>
PI-270	BEAUTY LEAF OIL REFINING AND CONVERSION INTO BIODIESEL <i>M. M. K Bhuiya*, M. G. Rasul, N. Ashwath and M. M. K. Khan</i>
PI-281	UPGRADING OF WASTE TYRE PYROLYSIS OIL TO BE USED IN DIESEL ENGINE <i>A. Khaleque, M.R. Islam*, M. S. Hossain, Mala Khan, M. S. Rahman and H. Haniu</i>



TECHNICAL SESSION – V (D)

Venue – D : Mechanics Lab (EME Building, 2nd Floor)

Field: Pollution and Environment Engineering/Green Design/Green Manufacturing

Date: 28 November 2015 Saturday

Time: 10:20 am – 11:50 am

Chair: Prof. Dr. Md. Jahangir Alam

Co-Chair: Prof. Dr. Md. Moinul Islam

Paper ID	Paper Title and Authors
PI-019	INTRODUCTION OF ALGAL TREATMENT IN TANNERY WASTE WATER PROCESSING: BANGLADESH PERSPECTIVE <i>Subrata Paul*</i> , <i>Thuhin Kumar Dey</i> and <i>Rajan Kumar Raha</i>
PI-064	THE PRESENT SCENARIO OF SOLID WASTE DISPOSAL AND MANAGEMENT PRACTICE IN CHITTAGONG CITY CORPORATION <i>Binoy Debnath*</i> , <i>Liton Chandra</i> and <i>Faridul Islam</i>
PI-098	LIFE CYCLE ASSESSMENT OF SEEDLINGS PRODUCED AT PRIVATE AND GOVERNMENT NURSERIES IN CHITTAGONG <i>Tusher Kumer Ray</i> , <i>Hillol Dutta</i> and <i>M. Mosharraf Hossain*</i>
PI-100	ECONOMY-WIDE MATERIAL FLOW ANALYSIS OF CEMENT INDUSTRY IN BANGLADESH <i>Iftakharul Alam</i> , <i>Mohammad Sujauddin</i> and <i>Mohammad Mosharraf Hossain*</i>
PI-107	ASSESSMENT OF HEAVY METALS DISCHARGING IN HAIR BURNING LIMING OPERATION FROM TANNERIES, BANGLADESH <i>Md. Abul Hashem*</i> , <i>Nil Ratan Mondal</i> , <i>Md. Shahruk Nur-A-Tomal</i> and <i>Md. Aminur Rahman</i>
PI-127	EXPOSURE OF CHITTAGONG UNIVERSITY SHUTTLE TRAIN PESSANGERS TO PM_{2.5} AND PM₁₀ <i>Abu Nayem Md. Taifur Rahman</i> , <i>Md. Humayain Kabir</i> and <i>Mohammad Mosharraf Hossain</i>
PI-154	EXPERIMENTATION OF BIOMASS PYROLYSIS OF ORGANIC WASTE USING A VACUUM PYROLYSIS REACTOR <i>Ehsanul Kabir*</i> , <i>Md. Abul Kalam Azad</i> and <i>Sudip Kumar Pal</i>



TECHNICAL SESSION – VI (A)

Venue – A : *ME Seminar Room (EME Building, 1st Floor)*

Field: Fluid Mechanics and Machinery

Date: 28 November 2015 Saturday

Time: 12:00 pm – 01:30 pm

Chair: Prof. Dr. Md. Tazul Islam

Co-Chair: Dr. Majedul Islam

Paper ID	Paper Title and Authors
PI-125	PERFORMANCE ANALYSIS OF A COMPRESSED AIR ENGINE <i>Md. Musharaf Hossain, Mahmudul Hasan* and Md. Tazul Islam</i>
PI-268	FLUID FLOW VISUALIZATION WITH A SOLDERING IRON IN A SUBSONIC WIND TUNNEL <i>Md. Kamrul Hasan and Kazi Afzalur Rahman*</i>
PI-280	ASSESSMENT OF LIFE CYCLE COST (LCC) FOR SUBMERSIBLE PUMPS USING IN NORTHERN PART OF BANGLADESH <i>M. E. Haque, M. R. Islam*, J. Ferdous, M. S. Akhter and H. Haniu</i>
PI-283	AN APPROACH TO MODIFY PELTON WHEEL USING POTENTIAL ENERGY AT LOW HEAD <i>I. C. Das, M. M. M. Talukder* and M. A. Islam</i>
PI-284	STUDY OF FLUID DYNAMICS APPROACH TO SCALE GROWTH MECHANISM AND ITS SUPPRESSION TECHNIQUE <i>Prasanjit Das*, M. M. K. Khan, M. G. Rasul and Suvash C. Saha</i>
PI-285	FLUID FLOW ANALYSIS IN ELECTROSTATIC PRECIPITATOR OF A COAL FIRED POWER PLANT CONSIDERING ELECTRODE WITH TWO DIFFERENT SHAPE OF BAFLES <i>A. S. M. Sayem*, M. M. K. Khan, M. G. Rasul and N. M. S. Hassan</i>



TECHNICAL SESSION – VI (B)

Venue – B : *Computer Lab (EME Building, 1st Floor)*

Field: Petroleum and Mining Engineering

Date: 28 November 2015 Saturday

Time: 12:00 pm – 01:30 pm

Chair: Prof. Dr. Bodius Salam

Co-Chair: Dr. Sk. Md. Humayun Kabir

Paper ID	Paper Title and Authors
PI-027	LOG BASED PETROPHYSICAL ANALYSIS OF MIO-PLIOCENE SANDSTONE RESERVOIR AT WELL RASHIDPUR-4 IN BANGLADESH <i>Md. Farhaduzzaman*, Md. Aminul Islam, Wan Hasiyah Abdullah, Joyanta Dutta and Mohammad Islam Miah</i>
PI-049	SIMULATION AND PROCESS DESIGN OF BIODIESEL PRODUCTION <i>Samavi Farnush Bint-E-Naser, Nilima Sarwar and Muhammad Ruhul Amin*</i>
PI-065	SIMULATION OF PRODUCTION OF NITRIC ACID <i>Yasir Arafat Siddik, Masirul Afroz M., G. M. A. Munib and Ruhul Amin M*.</i>
PI-129	UNDERGROUND COAL GASIFICATION: A CLEAN COAL TECHNOLOGY AND ITS PROSPECT IN BANGLADESH <i>Md. Mahmudul Islam, Md. Ariful Islam, Shahidul Islam and Md. Zayed Bin Sultan*</i>
PI-203	SALDANADI GAS FIELD: A STUDY ON WELL LOGGING AND FORMATION EVALUATION <i>Shahidul Islam, Md. Mostafijul Karim*, Md. Ariful Islam and Md. Mahmudul Islam</i>
PI-214	COMMERCIAL-SCALE COAL-TO-SNG PLANT: MODELING, SIMULATION AND PREFERENCE EVALUATION USING ILLINOIS #6 COAL AND IBC LOW RANK COAL BY ASPEN PLUS <i>Xiang Zhou Yuan*, Abu Hamja, Chun Yang He , Md. Kamrul Islam , and Hyung-Taek Kim</i>
PI-260	PRODUCTION OF BIODIESEL FROM WASTE VEGETABLE OIL <i>Shailen Saha, J.U. Ahamed, M.A. Razzaq, S. M. Fahadullah, Himal Barman and Sajal Kumar Bala</i>



TECHNICAL SESSION – VI (C)

Venue – C : *Postgraduate Research Lab (EME Building, Ground Floor)*

Field: Mechanics/ Biomechanics/Automobiles

Date: 28 November 2015 Saturday

Time: 12:00 pm – 01:30 pm

Chair: Prof. Dr. Jamal Uddin Ahamed

Co-Chair: Dr. Md. Abu Mowazzem Hossain

Paper ID	Paper Title and Authors
PI-070	REVIEW ON X-FEM FOR FRACTURE MECHANICS: CURRENT DEVELOPMENTS AND FUTURE PROSPECTS <i>Md. Mahabub Hasan Mousum*</i> , <i>A. M. Rahman</i> and <i>Mahmud Islam</i>
PI-115	MECHANICAL PROPERTIES OF RESISTANCE SPOT WELDED JOINTS OF MILD STEEL UNDER STATIC LOAD <i>Minhazur Rahman</i> and <i>Md. Abu Mowazzem Hossain*</i>
PI-175	FEASIBILITY TEST TO REUSE THE DEGRADED AUTOMOBILE LUBRICANT <i>Md. Nazmus Sakib*</i> , <i>Md. Moafzzal Hossain</i> and <i>Md. Tazul Islam</i>
PI-201	EFFECTIVE ARRANGEMENT OF OPTIMUM NUMBER OF TEM COILS FOR THE IMPROVEMENT OF B1 FIELD HOMOGENEITY AROUND THE HEAD OF HUMAN PHANTOM AT 7 TESLA. <i>Mohammad Wajih Alam</i> , <i>Tanin Sultana*</i> , <i>Debdatta Das</i> , <i>Mohammad Sami Alam</i> and <i>Dhiman Kumar Sarker</i>
PI-243	NATURAL GAS COMPRESSOR STATION PIPELINE WELDING AND RELATED FACILITIES <i>Engr. Md. Saidur Rahman*</i>
PI-265	BEHAVIORAL STUDY OF A MICRO SCALES VALVELESS IMPEDANCE PUMP <i>Tanjina Laila*</i> and <i>Md. Tazul Islam</i>



TECHNICAL SESSION – VI (D)

Venue – D : Mechanics Lab (EME Building, 2nd Floor)

Field: Multidisciplinary

Date: 28 November 2015 Saturday

Time: 12:00 pm – 01:30 pm

Chair: Prof. Dr. Md. Mahbubul Alam

Co-Chair: Dr. Mohammad Mosharraf Hossain

Paper ID	Paper Title and Authors
PI-189	DEVELOPMENT OF TELE-OPERATED ROBOTIC HAND OBSERVING MOVEMENT OF THE HUMAN HAND USING GYRO <i>Sampad Ghosh, Pradipta Saha*</i> , Md. MushfiqurRahaman and Tariq Abdullah Firoj Saquib
PI-217	HYBRID RENEWABLE ENERGY SYSTEMS WITH OPTIMAL DESIGN OF GAS GENERATOR AND GRID SYSTEM INTEGRATED WITH PHOTOVOLTAICS FOR INDUSTRIAL AREAS OF BANGLADESH: A CASE STUDY FROM NARAYANGANJ INDUSTRIAL AREA <i>Md. Mehedi Hasan*</i> , Abu Hamja, Muhammad Kamrul Islam, Aman Abdulla Tanvir and S. M. Shahnewaz Shiddique
PI-253	DESIGN, CONSTRUCTION AND STUDY OF PERFORMANCE OF A FLAT-PLATE SOLAR DETOXIFICATION AIDED HEATER FOR WINTER AIR CONDITIONING OF A SMALL RESIDENTIAL BUILDING IN BANGLADESH <i>Adib Bin Rashid*</i>
PI-263	IMPORTANCE AND PROPER WAY OF MAINTAINING A BATTERY <i>Pratik Roy*</i> , Md. Sourove Akhter Momin and Md. Golam Kader
PI-272	GUIDANCE SYSTEM FOR VISUALLY IMPAIRED PERSON <i>Jahedul Islam*</i> , Hasibul Jamil, Sanjidul Hoque and Rakibul Hasam
PI-273	PERFORMANCE TEST OF NACA 2412 AIRFOIL <i>Rashed Ahammad*</i> , Md. Kamrul Hasan, M. Rahman and M. Chakraborty
PI-279	MONITORING THE VARIATION OF SPEED FOR SINGLE PHASE INDUCTION MOTOR USING ANTI PARALLEL BACK TO BACK CONNECTED SILICON CONTROLLED RECTIFIER <i>Mrinmoy Dey*</i> , Sadab Nehal and <u>Asif Imran</u>



Inauguration Ceremony

Programme

Date	:	November 26, 2015, Time: 9:30 am
Venue	:	Auditorium, CUET, Chittagong
09:30 am	:	Guests and participants take their seats
09:36 am	:	Recitation from the Holy Quran
09:41 am	:	Welcome Address by Conference Secretary, ICMERE-2015
09:46 am	:	Address by Chairman, Technical Committee, ICMERE-2015
09:51 am	:	Address by Foreign Delegate-1
09:56 am	:	Address by Foreign Delegate-2
10:01 am	:	Address by Special Guest-1
10:06 am	:	Address by Special Guest-2
10:11 am	:	Address by Special Guest-3
10:16 am	:	Address by the Guest of Honor
10:26 am	:	Address by Chief Guest
10:36 am	:	Crest giving as a token of Honor
10:41 am	:	Vote of Thanks by Chairman, Organizing Committee, ICMERE-2015
10:46 am	:	Refreshment

Closing Ceremony

Programme

Date	:	November 28, 2015, Time: 5:30 pm
Venue	:	Hotel Lord's Inn, Chittagong
05:30 pm	:	Guests and Participants take their seats
05:36 pm	:	Recitation from the Holy Quran
05:41 pm	:	Welcome Address by Secretary, Technical Committee, ICMERE-2015
05:46 pm	:	Address by Chairman, Technical Committee, ICMERE-2015
05:51 pm	:	Address by Sponsors & Delegates
06:11 pm	:	Address by Special Guest
06:16 pm	:	Address by Guest of Honor
06:21 pm	:	Address by Chief Guest
06:31 pm	:	Crest giving as a token of Honor
06:46 pm	:	Vote of Thanks by Chairman, Organizing Committee, ICMERE-2015
07:00 pm	:	Dinner