

## TECHNICAL SESSIONS SCHEDULE

	Date	Hall Time	Crystal Ballroom	Jasmine	Dahlia
Session 1	27 February 2012	11.45p.m 12.45p.m	Session 1A	Session 1B	Session 1C
Session 2		2.15p.m 4.15p.m	Session 2A	Session 2B	Session 2C
Session 3		4.30p.m 5.30p.m	Session 3A	Session 3B	Session 3C
Session 4	28 February 2012	8.30a.m 10.30a.m	Session 4A	Session 4B	Session 4C
Session 5		11.00a.m 1.00p.m	Session 5A	Session 5B	Session 5C
Session 6		2.15p.m 4.15p.m	Session 6A	Session 6B	Session 6C
Session 7		4.30p.m 6.00p.m	Session 7A	Session 7B	Session 7C

Session 1A	Biomedical Signal and Image Processing 1
Session 1B	Biomechanics and Rehabilitation 1
Session 1C	Biomedical Devices 1
Session 2A	Biomedical Signal and Image Processing 2
Session 2B	Biomaterial and Tissue Engineering 1
Session 2C	Computational Intelligence 1
Session 3A	Biomedical Signal and Image Processing 3
Session 3B	Biomedical Signal and Image Processing 4
Session 3C	Biomedical Devices 2
Session 4A	Biomedical Signal and Image Processing 5
Session 4B	Biomechanics and Rehabilitation 2
Session 4C	Health Informatics and Bioinformatics 1
Session 5A	Biomedical Signal and Image Processing 6
Session 5B	Biomechanics and Rehabilitation 3
Session 5C	Biomedical Devices 3
Session 6A	Biomedical Signal and Image Processing 7
Session 6B	Biomedical Devices 4
Session 6C	Biomedical Signal and Image Processing 8
Session 7A	Health Informatics and Bioinformatics 2
Session 7B	Biomedical Devices 5
Session 7C	Biomedical Signal and Image Processing 9

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 1A : Biosignal and Image Processing 1 (BSIP 1)

Date & Time : 27 February 2012, 11.45 a.m

Venue : ICoBE 1 (Crystal Ballroom III)

Session Chair: Dr K Prabhakar Nayak

**1A1 Determination Of The Onset Of Ventricular Tachycardia**

Presenter : Mohd Afzan Othman

**1A2 Application Of Imaging Techniques For Monitoring Flocs In Activated Sludge**

Presenter : Dr Humaira Nisar

**1A3 Rough Set Based Unsupervised Feature Selection In Digital Mammogram Image Using Entropy Measure**

Presenter : Dr K. Thangavel

**1A4 Investigation On Mammographic Image Compression And Analysis Using Multiwavelets And Neural Network**

Presenter : Dr. U.S. Ragupathy

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 1B : Biomechanics and Rehabilitation 1 (BR 1)

Date & Time : 27 February 2012, 11.45 a.m

Venue : ICoBE 2 (Jasmine Room)

Session Chair: Dr Khaled Mohamed Helmy Abd El Aziz

**1B1 A New Design Of An Unipolar Hip Endoprosthesis Focused On The Best Quality Of Life Of The Patients During The Postoperative Period**

Presenter : Oleksandr Poliakov

**1B2 Design And Development Of Inexpensive Pneumatically-Powered Assisted Knee-Ankle-Foot Orthosis For Gait Rehabilitation-Preliminary Finding**

Presenter : Zhen Yang Wong

**1B3 Stability Of Cementless Hip Prosthesis**

Presenter : Haslina Abdullah

**1B4 Numerical Measurement Of Contact Pressure In The Tibio-Femoral Joint During Gait**

Presenter : Normahira

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 1C : Biomedical Devices 1 (BD 1)

Date & Time : 27 February 2012, 11.45 a.m

Venue : ICoBE 3 (Dahlia Room)

Session Chair: Dr Emma Corcoles

- 1C1    A Novel High Performance Routing Technique For Cross-Referencing Dmfbs**  
Presenter : Pranab Roy
  
- 1C2    Field-Effect Transistor Biosensor Fabricated With Selective Enrichment Of Semiconducting Single-Walled Carbon Nanotubes**  
Presenter : Xiaoxian Zhang
  
- 1C3    Manufacturing Methods For Machining Micro Pits Of Hip Implant For Metal-On- Metal Lubrication**  
Presenter : Nor Liyana Safura
  
- 1C4    Monitoring the Effect of Hypoxia in Bowel Dialysate Metabolites Levels with Online Biosensors**  
Presenter : Emma Corcoles

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 2A : Biosignal and Image Processing 2 (BSIP 2)

Date & Time : 27 February 2012, 2.15 p.m

Venue : ICoBE 1 (Crystal Ballroom III)

Session Chair: Dr Humaira Nisar

- 2A1 Contrast Enhancement of CT Brain Images for Detection of Ischemic Stroke**  
Presenter : Tiong-Lang Tan
  
- 2A2 A New LMS Based Adaptive Inteference Canceller For ECG Power Line Removal**  
Presenter : H.N Bharath
  
- 2A3 Classification Of Frontal Alpha Asymmetry Using K-Nearest Neighbor**  
Presenter : Siti Armiza Mohd Aris
  
- 2A4 A Modified Chest Leads For Minimization Of Ventricular Activity In Electrocardiograms**  
Presenter : J.Sivaraman
  
- 2A5 A Method Based On The Granger Causality And Graph Kernels For Discriminating Resting State From Attentional Task**  
Presenter : Danesh Shahnazian
  
- 2A6 EEG Based Detection Of Alcoholics Using Spectral Entropy With Neural Network Classifiers**  
Presenter : T.K.Padma Shri
  
- 2A7 Feasibility Of N1-P2 Habituation To Differentiate Loudness Levels**  
Presenter : Mai Mariam Binti Mohamed Aminuddin
  
- 2A8 A Speech Recognition System Based On Structure Equivalent Fuzzy Neural Network Trained By Firefly Algorithm**  
Presenter : Tahereh Hassanzadeh

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 2B : Biomaterial and Tissue Engineering 1 (BTE 1)

Date & Time : 27 February 2012, 2.15 p.m

Venue : ICoBE 2 (Jasmine Room)

Session Chair: Dr Roger Chan

- 2B1 Effect Of Particulate Size On Mechanical Strength Of Anadara Granosa Bioceramic.**  
Presenter : Nur Farahiyah Binti Mohammad
- 2B2 Influence Of Zirconia On Microstructure Of Bioactive Glass Coated On Stainless Steel For Biomedical Application.**  
Presenter : Dr Sayed Mahmood Rabiee
- 2B3 Characterization Of Calcium Phosphate Bioceramic From Paphia Undulata Shells**  
Presenter : Nur Farahiyah Binti Mohammad
- 2B4 A Biological Scaffold For Laryngeal Tissue Engineering.**  
Presenter : Roger Chan
- 2B5 Evaluation Of Anti-Corrosion Properties Of DLC Coatings For Medical Devices.**  
Presenter : Eraj Humayun Mirza
- 2B6 Molecular Dynamics Folding Simulation Of B-Hairpins From Protein G**  
Presenter : Fatahiya Mohamed Tap
- 2B7 Production And Characterization Of Tissue Engineering Scaffolds Based On Polyhydroxybutyrate- Co-Hydroxyvalerate Polymers.**  
Presenter : Dr. Naznin Sultana
- 2B8 Release Of Excessive Iron Concentration From Human Blood And Urine Of Cigarette Smokers By Using Cystus-Sud.**  
Presenter : Wan Mohd Azhar Bin Ibrahim

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 2C : Computational Intelligence 1 (CI 1)

Date & Time : 27 February 2012, 2.15 p.m

Venue : ICoBE 3 (Dahlia Room)

Session Chair: Prof Dr Mohd Yusoff Mashor

- 2C1 Online Sequential Extreme Learning Machine for Classification of Mycobacterium tuberculosis in Ziehl-Neelsen Stained Tissue**  
Presenter : Muhammad Khusairi Osman
- 2C2 Early detection of cancer by regression analysis and computer simulation of gene regulatory rules**  
Presenter : Farhad Azadivar
- 2C3 Hybrid Multilayered Perceptron Network for Classification of Bundle Branch Blocks**  
Presenter : Ahmad Nasrul Norali
- 2C4 Neural Network Based Phylogenetic Analysis**  
Presenter : Ajantha S. Atukorale
- 2C5 Control System for Autonomous Medical Nanorobots**  
Presenter : S.M. Masudur Rahman Al-Arif
- 2C6 Parallel Implementation of Genomic Sequences Classification Using Modified Gabor Wavelet Transform on Multicore Systems**  
Presenter : Teddy Surya Gunawan
- 2C7 Measurement System to Study the Relationship between Forearm EMG Signals and Wrist Position at Varied Hand Grip Force**  
Presenter : Shahrul Naim Sidek
- 2C8 EMG Motion Pattern Classification through Design and Optimization of Neural Network**  
Presenter : Md. Rezwanul Ahsan

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 3A : Biosignal and Image Processing 3 (BSIP 3)

Date & Time : 27 February 2012, 4.30 p.m

Venue : ICoBE 1 (Crystal Ballroom III)

Session Chair: Dr. U.S. RAGUPATHY

- 3A1 Gait Recognition for Human Identification Using Ensemble of LVQ Neural Networks**  
Presenter : Neda Kordjazi
  
- 3A2 Modeling the heart defect of transposition of the great arteries using the PHYSBE model**  
Presenter : Mohamad Amin Bakhshali
  
- 3A3 ECG Classification Using Wavelet Transform and Discriminant Analysis**  
Presenter : Farah Nur Atiqah Abdullah
  
- 3A4 Review Of Various Approaches Towards Speech Recognition**  
Presenter : Aarti Jadhav



## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 3B : Biosignal and Image Processing 4 (BSIP 4)

Date & Time : 28 February 2012, 4.30 p.m

Venue : ICoBE 2 (Jasmine Room)

Session Chair: Dr. M. Murugappan

**3B1 DWT and MFCC Based Human Emotional Speech Classification Using LDA**

Presenter : M Murugappan

**3B2 Hemodynamic Study On Upper Extremity: Simulation On Straight Reverse Saphenous Vein Graft**

Presenter : M.N. Rahman Y

**3B3 Development of Discrete Wavelet Transform (DWT) Toolbox for Signal Processing Applications**

Presenter : Mousa K. Wali

**3B4 Human Affective (Emotion) Behaviour Analysis using Speech Signals: A Review**

Presenter : M.N. Hasrul

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 3C : Biomedical Devices 2 (BD 2)

Date & Time : 27 February 2012, 4.30 p.m

Venue : ICoBE 3 (Dahlia Room)

Session Chair: Dr Shahrul Naim Sidek

**3C1 Study of ZnO Thin Film on Silicon Substrate by Sol–Gel Spin Coating Method for Bio-Medical Application**

Presenter : Foo Kai Loong

**3C2 Microstructure and polymer choice in microfluidic interfacing for nanoscale biosensing**

Presenter : Tijjani Adam

**3C3 Designing an Artificial Neural Network Model for the Prediction of Kidney problems symptom through patient's mental behaviour for pre- clinical medical diagnostic**

Presenter : Tijjani Adam

**3C4 Photodynamic damage in liver carcinoma HepG2 cells**

Presenter : Mohammad Kashif

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 4A : Biosignal and Image Processing 5 (BSIP 5)

Date & Time : 28 February 2012, 8.30 a.m

Venue : ICoBE 1 (Crystal Ballroom III)

Session Chair: Dr K. Thangavel

- 4A1 Fundus Image Analysis for the Detection of Diabetic Eye Diseases - A Review**  
Presenter : Dr K Prabhakar Nayak
  
- 4A2 Detection of cortical activation and effective connectivity using Dynamic Causal Modelling through functional magnetic resonance imaging**  
Presenter : Vandhana Narayanan Ragini B
  
- 4A3 Identification of Retina Image Size in Relation to Electrooculography Signal**  
Presenter : Siti Zubaidah Mohd Tumari
  
- 4A4 Red Blood Cell Segmentation Using Masking and Watershed Algorithm: A Preliminary Study**  
Presenter : Johan bin Mohamad Sharif
  
- 4A5 Spectral Analysis of HRV in the Assessment of Autonomic Function on Normal Subject**  
Presenter : Noor Aimie Salleh
  
- 4A6 Projection image inpainting in X-ray CT using Relevant Neighbor Area (RNA) and Intersection of Confidence Intervals (ICI)**  
Presenter : Hyukjoon Kwon
  
- 4A7 Sleep Apnea Detection Using Wavelet Analysis of ECG Derived Respiratory Signal**  
Presenter : Ahmet Akbaş
  
- 4A8 Mucous Layer Effects towards Nasal Airflow**  
Presenter : Lee Chih Fang

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 4B : Biomechanics and Rehabilitation 2 (BR 2)

Date & Time : 28 February 2012, 8.30 a.m

Venue : ICoBE 2 (Jasmine Room)

Session Chair: Dr Shuhaida Yahud

- 4B1 Human Postures Modeling using Motion Analysis: A Review**  
Presenter : Ku Nor Syamimi Bt. Ku Ismail
  
- 4B2 Estimation of falling risk based on acceleration signals during initial gait**  
Presenter : Sawa Fuke
  
- 4B3 Computational analysis of hemodynamic effects on aneurysm coil bundle**  
Presenter : Woowon Jeong
  
- 4B4 Real-Time Control of Active Ankle Foot Orthosis Using LabVIEW & Compact-RIO**  
Presenter : Kanthi Hegde
  
- 4B5 Artificial Hand Gripper Controller via Smart Glove for Rehabilitation Process**  
Presenter : Muhammad Mahadi
  
- 4B6 A surgical drill guide for pedicle screw placement**  
Presenter : Jamal Kashani
  
- 4B7 A Biomechanical Analysis of Walking and Running on a Treadmill in Different Level of Inclined Surfaces**  
Presenter : Muhamad Shahril Salim
  
- 4B8 Evaluation of a Lumbosacral Orthosis in Flexion and Extension Movements of Lumbar Spine Using Cobb Method**  
Presenter : Norazian Abd Razak

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 4C : Health Informatics and Bioinformatics 1 (HIB 1)

Date & Time : 28 February 2012, 8.30 a.m

Venue : ICoBE 3 (Dahlia Room)

Session Chair: Dr Wan Khairunizam Wan Ahmad

- 4C1 Dimensional Microarray Data Classification Using Correlation Based Feature Selection**  
Presenter : Md. Akhtaruzzaman Adnan
- 4C2 A Conceptual Framework for Digital Pre-operative Planning in Total Hip Replacement**  
Presenter : Azrulhizam Shapi'i
- 4C3 Influenza Virus Vaccine Efficacy Based On Conserved Sequence Alignment**  
Presenter : Baby Jerald A
- 4C4 A Comparative Study of Simple Geometrical Head Phantoms on Specific Absorption Rates for Simulations and Measurements at 900MHz**  
Presenter : M. H. Mat
- 4C5 Study of Malaysian-sized hand phantom for GSM900/1800 Application**  
Presenter : S.H. Ronald
- 4C6 Computational Fluid Dynamics Study of Middle Turbinectomy**  
Presenter : Mohammed Zuber
- 4C7 A Study of Frequency Radiation of Human Torso for Gender Classification**  
Presenter : Siti Zura A. Jalil
- 4C8 Functional Enrichment Analysis of miR-203 Apoptosis-Implicated Target Genes**  
Presenter : Sim-Hui Tee

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 5A : Biosignal and Image Processing 6 (BSIP 6)

Date & Time : 28 February 2012, 11.00 a.m

Venue : ICoBE 1 (Crystal Ballroom III)

Session Chair: Dr Ahmet Akbaş

- 5A1 Information Retrieval Technique Using Tag-Info Method for Digital DICOM X-ray Images**  
Presenter : Azrulhizam Shapi'i
- 5A2 White Blood Cell Segmentation on Acute Leukemia Bone Marrow Images**  
Presenter : Lim Huey Nee
- 5A3 Robust Finger Motion Classification using Frequency Characteristics of Surface Electromyogram Signals**  
Presenter : Keisuke Ishikawa
- 5A4 Medical Image Registration by Maximizing Mutual Information Based on Combination of Intensity and Gradient Information**  
Presenter : Tan Chye Cheah
- 5A5 Wavelet Based Distortion Measurement and Enhancement of ECG signal**  
Presenter : Mohiuddin Ahmad
- 5A6 Analysis of Image Quality based on Dentists'perception Cognitive Analysis and Statistical Measurements of Intra-oral Dental Radiographs**  
Presenter : Siti Arpah Bt Ahmad
- 5A7 Extracting fetal electrocardiogram signal using ANFIS trained by Genetic Algorithm**  
Presenter : Maryam Nasiri
- 5A8 Best Pulse Selection of Photoplethysmography Signal Through Comparative Method**  
Presenter : Nurhafizah Mahri

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 5B : Biomechanics and Rehabilitation 3 (BR 3)

Date & Time : 28 February 2012, 11.00 a.m

Venue : ICoBE 2 (Jasmine Room)

Session Chair: Dr Khaled Mohamed Helmy Abd El Aziz

**5B1 A Study of Human Emotional: Review**

Presenter : Nur Nadia

**5B2 Performance of a Passive Device in Improving Tremor Patients' Handwriting Capability**

Presenter : Zulkifli Bin Mohd Yusop

**5B3 Bus Seat Suspension Modification for Pregnant Women**

Presenter : Mohammad Gohari

**5B4 Kinetics and EMG Analysis of Double – Legged Landing Among Reserve Officer Training Unit (ROTU) Trainee**

Presenter : Hamzah Sakeran

**5B5 Emg Analysis of Upper and Lower Rectus Abdominis during Exercises Performed On and Off a Swiss Ball**

Presenter : Hamzah Sakeran

**5B6 Development of Physical 3D Model of Maternal-Fetal to Study Light Interaction through Tissue**

Presenter : Nur Anida Jumadi

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 5C : Biomedical Devices 2 (BD 2)

Date & Time : 28 February 2012, 11.00 a.m

Venue : ICoBE 3 (Dahlia Room)

Session Chair: Dr Rammohan Maikala

- 5C1 Low Cost Solar ECG with Bluetooth transmitter**  
Presenter : Parin Dedhia
  
- 5C2 Multi-sensor Arm Rehabilitation Monitoring Device**  
Presenter : Radzi Ambar
  
- 5C3 Pressure Mapping Bandage Prototype: Development and Testing**  
Presenter : Jawad al-Khaburi
  
- 5C4 Development of Biomedical Data Acquisition System in Hard Real-Time Linux Environment**  
Presenter : Marzia Alam
  
- 5C5 XBee Wireless Sensor Network for Heart Rate Monitoring in Sport Training**  
Presenter : Nor Saradatul Akmar
  
- 5C6 Efficient Class-E Design for Inductive Powering Wireless Biotelemetry Applications**  
Presenter : Saad Mustashar Abbas
  
- 5C7 Thermal Conduction and Perfusion of Ring-Slot Microwave Antenna for treatment Liver Tumor**  
Presenter : Montree Chaichanyut
  
- 5C8 A Compact Peanut-Shape Printed Antenna for Bio-telemetric Tablet System**  
Presenter : Muhammad Solihin



## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 6A : Biosignal and Image Processing 7 (BSIP 7)

Date & Time : 28 February 2012, 2.15 p.m

Venue : ICoBE 1 (Crystal Ballroom III)

Session Chair: Dr. Mohiuddin Ahmad

**6A1 Bone Marrow Image Segmentation Based on Multilevel Thresholding**

Presenter : Robiyanti Binti Adollah

**6A2 Development of EEG-Based Stress Index**

Presenter : Norizam Bin Sulaiman

**6A3 Evaluation of Weight Factor Mode and EEMD Performance on Measuring Heart Rate Activity in the Presence of Cardiac Arrhythmia**

Presenter : Mohamed Kharrat

**6A4 Determination of Vigilance-bound Learning Style based on EEG**

Presenter : Nazre bin Abdul Rashid

**6A5 Simulink Model of Mel Frequency Cepstral Coefficient Analysis for Extracting Asphyxiated Infant Cry Features**

Presenter : M.Z. Mohd Ali

**6A6 A Review: Malay Speech Recognition and Audio Visual Speech Recognition**

Presenter: Chong Yen Fook

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 6B : Biomedical Devices 3 (BD 3)

Date & Time : 28 February 2012, 2.15 p.m

Venue : ICoBE 2 (Jasmine Room)

Session Chair: Dr. Osama al-Bataineh

**6B1 Design and Simulation of High Sensitive Capacitive Pressure Sensor with Slotted Diaphragm**

Presenter : Mannaneh Shahiri Tabarestani

**6B2 Compact Surface Charge Diagnostic Device**

Presenter : Fong Yong Sheng

**6B3 Electrical Discharge Machining Pulse Power Generator to Machine Micropits of Hip Implant**

Presenter : Nazriah Mahmud

**6B4 Biomechanical evaluation of the dorsal double plating angle-stable fixator versus conventional volar plating for the fixation of intra-articular fracture of the distal radius**

Presenter : Arash Nasrollahi Shirazi

**6B5 Development of High Voltage Pulse Inducement Method for Biological Cell**

Presenter : Mohamad Nazib Adon

**6B6 In vivo Evaluation of Ultrasound Transducers for Noninvasive Transdermal Delivery of Insulin Using Temporarily Hyperglycemic Rabbits and Mice**

Presenter : Osama al-Bataineh

**6B7 Use of Near-infrared Spectroscopy in evaluating Upper Extremity Muscle Hemodynamics during an Eight-hour Exposure to Repetitive Hand-Wrist Motions**

Presenter : Rammohan Maikala

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 6C : Biosignal and Image Processing 8 (BSIP 8)

Date & Time : 28 February 2012, 2.15 p.m

Venue : ICoBE 3 (Dahlia Room)

Session Chair: Dr Haniza Yazid

- 6C1    Signal Analysis with Zetasizer on the Effect of Poly Ethylene Glycol (PEG) to Stabilize and Unify Colloidal Gold Nanoparticles**  
Presenter : Chin Guo Feng
  
- 6C2    Review Article: A perspective of Myelodysplastic Syndrome (MDS)**  
Presenter : Norsima Nazirah Sidek
  
- 6C3    Objective Analysis of Vision Impairments Using Single Trial VEPs**  
Presenter : Vikneswaran Vijean
  
- 6C4    Enhancement Techniques for Tuberculosis Slide Images: A Review**  
Presenter : Wan Nurul Wahidah Wan Mustaffa Fikri
  
- 6C5    An Overview of Thalassaemia Disease**  
Presenter : Nurul Zhafikha Binti Noor Rashid
  
- 6C6    Assimilate the Auditory Scale with Wavelet Packet Filters for Multistyle Classification of Speech Under Stress**  
Presenter : Nurul Aida Amira Johari
  
- 6C7    Automatic Classification of Infant Cry: A Review**  
Presenter : J. Saraswathy

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 7A : Health Informatics and Bioinformatics 2 (HIB 2)

Date & Time : 28 February 2012, 4.30 p.m

Venue : ICoBE 1 (Crystal Ballroom III)

Session Chair: Prof Dr Sazali Yaakob

**7A1 Identification of the overexpressed genes in hepatocellular carcinoma using Expressed Sequence Tags**

Presenter : Sim-Hui Tee

**7A2 Health Monitoring of Elderly in Independent and Assisted Living**

Presenter : Dr. Grantham Pang

**7A3 Computational Investigation of Effects of UP State on EPSP in Striatal Medium Spiny Neurons**

Presenter : Mrunal Rane

**7A4 Improvement of Medical Imaging Equipment Management in Public Hospitals of Bangladesh**

Presenter : Md. Anwar Hossain

**7A5 A Patient-Centric Framework for Multisourced Actionable Health Solution**

Presenter : Chee Ping

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)  
Session 7B : Biomedical Devices 4 (BD 4)  
Date & Time : 28 February 2012, 4.30 p.m  
Venue : ICoBE 2 (Jasmine Room)  
Session Chair: Dr Cheng Ee Meng

- 7B1 Study of Environment based Condition of Electromagnetic Interference during ECG Acquisition**  
Presenter : Noraini Abdul Samad
  
- 7B2 Delayed Auditory Feedback for speech disorders**  
Presenter : Argahvan Bahadorinejad
  
- 7B3 Fabrication of 3C-Silicon Carbide Membranes: Towards Development of Novel Microdevices for Biomedical Applications**  
Presenter: Nashrul Fazli Mohd Nasir
  
- 7B4 Development of a low cost precision blood resistivity measurement device based on Thompson Lampard Theorem**  
Presenter : Anas Mohd Noor

## TECHNICAL SESSION

2012 International Conference on Biomedical Engineering (ICoBE)

Session 7C : Biosignal and Image Processing 9 (BSIP 9)

Date & Time : 28 February 2012, 4.30 p.m

Venue : ICoBE 3 (Dahlia Room)

Session Chair: Dr M. Hariharan

- 7C1     Simulation of Electromagnetic Field (EM) Focusing Capability on Biological Tissue through the Application of C-type Excitation Coil Screen**  
Presenter : Zulkarnay Zakaria
  
- 7C2     Simulation Study on Size and Location Identification of Tumors in Liver Tissue through Eddy Current Distribution Analysis**  
Presenter : Zulkarnay Zakaria
  
- 7C3     Development of EEG-based Epileptic Detection using Artificial Neural Network**  
Presenter : Azian Azamimi Abdullah
  
- 7C4     Implementation of An Improved Cellular Neural Network Algorithm For Brain Tumor Detection**  
Presenter : Azian Azamimi Abdullah