

ICSIMA 2014

MAIN MENU

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 Organizing Committee
 IMS Malaysia Chapter
 Call for Papers
[Technical Program](#)
 ICSIMA 2014 photo
 Keynote Speech &
 Professional Talk

SUBMISSION

Submission
 Important Dates
 Registration Fees

EVENTS CALENDAR

December 2014						
S	M	T	W	T	F	S
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ICSIMA 2014: 2014 IEEE International Conference on Smart Instrumentation, Measurement and Applications

R: Registration

Session time	Tuesday, 08:15 until 09:00
Location	Registration Desk



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O: Opening Ceremony

Session time	Tuesday, 09:00 until 09:30
Location	Ball Room



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O: Keynote Speech -1 : Advanced Photonic Sensors for Power and Energy Industries

Session time	Tuesday, 09:30 until 10:30
Location	Ball Room

T: Tea break

Session time	Tuesday, 10:30 until 11:00
Location	Open Area

Program Summary	
Day 1: Tuesday 25th November 2014	
Venue: Berjaya Hotel & Resort Hotel Ball Room	
8:15 am - 9:00 am	Registration
9:00 am - 9:30 am	Opening
9:30 am - 10:30 am	Keynote 1
10:30 am - 11:00 am	Tea Break
11:00 am - 12:00 pm	Keynote 2
12:00 pm - 2:00 pm	Lunch and Networking
2:00 pm - 3:30 pm	Parallel session 1A, 1B and 1C
3:30 pm - 4:00 pm	Tea Break
4:00 pm - 5:30 pm	Parallel session 2A, 2B and 2C
Day 2: Wednesday 26th November 2014	
Venue: University Kuala Lumpur, BMI, 0230 pm TTL1 Lecture Theatre	
Professional talk on "Carbon Nanotubes-Based Nanopackaging Dedicated to Innovative High Frequency Interconnections"	
Day 3: Thursday 27th November 2014	
Social visit and networking	



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O: Keynote Speech -2 : Evolution of the Electronic Display Systems

Session time	Tuesday, 11:00 until 12:00
Location	Ball Room

Lunch Break and Networking

Session time	Tuesday, 12:00 until 14:00
Location	Cafeteria



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1A: Session 1A

Session time	Tuesday, 14:00 until 15:30
Location	Room 1
Talk time	15

14:00: High Efficiency Motors - Energy Conservation Using Experimental Design Approach

Anandhi Govindarajan (East Point College of Engineering and Technology & VTU Belgaum, India)

14:15: Voltage Generation Behaviour of a Thermoelectric Module Under Different Configurations

Azdiana Md. Yusop (Universiti Kebangsaan Malaysia, Malaysia); Ramizi Mohamed (UKM, Malaysia); Azah Mohamed (Universiti Kebangsaan Malaysia, Malaysia)

14:30: Performance Characterization of Wireless Devices in Controlled Environments

Pradnya Gaonkar (ABB Research, India); Deepaknath Tandur (ABB, India); Gulzaib Rafiq (ABB, Norway)

14:45: A Modularized Battery Charge Equalizer in the Application of Electric Vehicle/Hybrid electric vehicle

Sheroz Khan (International Islamic University Malaysia, Malaysia); Zeeshan Shahid (IIUM, Malaysia); Md Mizanur Rahman (International Islamic University Malaysia, Malaysia)

15:00: Advanced Frequency Identification Power Metering System for Energy Usage

Kok Wai Chan (UCSI University, Malaysia); Rozita Teymourzadeh, CEng. (Neonode Technology, USA); Ahmed Abueida (UCSI University, Malaysia); Mahmud Iwan Solihin (UCSI University, Malaysia); Jimmy Vee Hoong Mok (UCSI University, Malaysia)

15:15: Smart Inertial Sensor-based Navigation System for Flexible Snake Robot

Md. Masum Billah (International Islamic University Malaysia, Malaysia); Raisuddin Khan (International Islamic University Malaysia, Malaysia)



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1B: Session 1B

Session time	Tuesday, 14:00 until 15:30
Location	Room 2
Talk time	15

14:00: Innovative Nearfield Electromagnetic Imaging System

Muhammad Naveed Tabassum (King Saud University, Saudi Arabia); Ibrahim Elshafiey (King Saud University, Saudi Arabia); Mubashir Alam (KSU, Saudi Arabia)

14:15: Volumetric Index for Non-Invasive Vascular Characterization Based on the Finger Pulse Response to Flow Mediated Dilatation

Edmond Zahedi (Universiti Kebangsaan Malaysia & SHARIF University of Technology, Malaysia); Rosmina Jaafar (Universiti Kebangsaan Malaysia, Malaysia); Mohd Alauddin Mohd Ali (Universiti Kebangsaan Malaysia, Malaysia)

14:30: Oscillation Compensator using A new Controller PI-Fuzzy Control for Pneumatic Stiction Valve

Omer Elagemi (King Fahd University Petroleum and Mineral, Saudi Arabia)

14:45: Discriminating the Different Human Brain States with EEG Signals using Fractal Dimension: A Nonlinear Approach

Rana Fayyaz Ahmad (Universiti Teknologi Petronas, Malaysia); Aamir S Malik (Senior Lecturer, Malaysia); Nidal Kamel (Technical University of Petronas, Malaysia); Hafeez Ullah Amin (University Technology PETRONAS, Malaysia); Faruque Reza (Hospital Universiti Sains Malaysia, Malaysia); Raheel Zafar (UTP, Malaysia); Abdul Qayyum (UTP, Malaysia)

15:00: Assessing the Effect of Error in Modelling on Accuracy of EIT Image Reconstruction

Renee Ka Yin Chin (Universiti Malaysia Sabah, Malaysia); Kenneth Tze Kin Teo (Universiti Malaysia Sabah & Modelling, Simulation & Computing Laboratory, Malaysia); Debrianty Aziz (University Malaysia Sabah, Malaysia)

15:15: Power Spectrum Density Based Analysis of Photolythsmographic signal for different physiological Conditions

Mansoor Hussain Shah (IIUM, Malaysia); Syed Absar Kazmi (IIUM, Malaysia); Khairul Sidek (International Islamic University Malaysia, Malaysia); Sheroz Khan (International Islamic University Malaysia, Malaysia); Fatema-tuz-Zohra Iqbal (International Islamic University Malaysia, Malaysia)



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1C: Session 1C

Session time	Tuesday, 14:00 until 15:30
Location	Room3
Talk time	15

14:00: A Comparative Review of Blood Pressure Measurement Methods Using Pulse Wave Velocity

Samaneh Mazaheri (Sharif University of Technology, Iran); Edmond Zahedi (Universiti Kebangsaan Malaysia & SHARIF University of Technology, Malaysia)

14:15: A Comparative Analysis of QRS and Cardioid Graph Based ECG Biometric Recognition in Different Physiological Conditions

Fatema-tuz-Zohra Iqbal (International Islamic University Malaysia, Malaysia); Khairul Sidek (International Islamic University Malaysia, Malaysia); Nor Afifah Noah (International Islamic University Malaysia, Malaysia); Teddy Surya Gunawan (International Islamic University Malaysia, Malaysia)

14:30: Process Controllability for Flow Control System Using Ziegler-Nichols (ZN), Cohen-Coon (CC) and Chien-Hrones-Reswick (CHR) Tuning Method

Najidah Hambali (Universiti Teknologi MARA, Malaysia); Afandi Masngut (Universiti Teknologi MARA, Malaysia); Abdul Aziz Ishak (Universiti Teknologi Mara, Malaysia); Zuriati Janin (Universiti Teknologi Mara, Malaysia)

14:45: Characterization of Indoor Propagation for Three Dimensional Femtocell Environment

Alhareth Zyoud (International Islamic University, Malaysia); Mohamed Hadi Habaebi (International Islamic University Malaysia (IIUM) & Faculty of Engineering, Malaysia); Md Rafiqul Islam (International Islamic University Malaysia, Malaysia); Jalel Chebil (University of Sousse, Tunisia); Ali Kadhim Lwas (IIUM, Malaysia); Mohammed Al-Shibly, M. (IIUM, Malaysia)

15:00: Nonlinear modeling and controlling of left ventricular assist device for heart failure patients

Mohsen Bakouri (The University of New South Wales, Australia)

15:15: Automated Person Tracking Using Proximity Capacitive Sensors

Atika Arshad (ECE. IIUM, Malaysia); Sheroz Khan (International Islamic University Malaysia, Malaysia); Ahm Zahirul Alam (International Islamic University Malaysia, Malaysia); Rumana Tasnim (IIUM, Malaysia)

T: Tea break

Session time	Tuesday, 15:30 until 16:00
Location	Open Area



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2A: Session 2A

Session time	Tuesday, 16:00 until 17:30
Location	Room 1
Talk time	15

16:00: Analysis of Phase Detection Circuit for Human Activity

[Atika Arshad](#) (ECE, IIUM, Malaysia); [Sheroz Khan](#) (International Islamic University Malaysia, Malaysia); [Ahm Zahirul Alam](#) (International Islamic University Malaysia, Malaysia); [Rumana Tasnim](#) (IIUM, Malaysia)

16:15: A Battery Charge Balancing System with Reducing Inrush High Spike Current for Electric Vehicle

[Sheroz Khan](#) (International Islamic University Malaysia, Malaysia); [Md Mizanur Rahman](#) (International Islamic University Malaysia, Malaysia)

16:30: Characterization of Inductive Changes by Resonant Circuit Technique

[Atika Arshad](#) (ECE, IIUM, Malaysia); [Nur athirah Awang Ngah](#) (International Islamic University Malaysia, Malaysia); [Sheroz Khan](#) (International Islamic University Malaysia, Malaysia)

16:45: Development of Robust Quantitative Feedback Theory Controller For Quanser Bench-Top Helicopter

[Hasmah Mansor](#) (International Islamic University Malaysia (IIUM), Malaysia); [Siti Aishah Saiful Yazan](#) (International Islamic University Malaysia (IIUM), Malaysia); [Teddy Surya Gunawan](#) (International Islamic University Malaysia, Malaysia); [Sheroz Khan](#) (International Islamic University Malaysia, Malaysia)

17:00: Single phase Inverter for Small Voltage Supplies in Distributed Measurement Systems

[Zeeshan Shahid](#) (IIUM, Malaysia); [Sheroz Khan](#) (International Islamic University Malaysia, Malaysia); [Zahirul Alam](#) (Prof, Malaysia); [Musse Mohamud Ahmed, Dr](#) (International Islamic University & Faculty of Engineering, Malaysia); [Md Mizanur Rahman](#) (International Islamic University Malaysia, Malaysia)

17:15: Robust Adaptive LQR Control of Nonlinear System Application to 3-DoF Flight Control System

[Rounaqul Islam Boby](#) (International Islamic University Malaysia, Malaysia); [Hasmah Mansor](#) (International Islamic University Malaysia (IIUM), Malaysia); [Teddy Surya Gunawan](#) (International Islamic University Malaysia, Malaysia); [Sheroz Khan](#) (International Islamic University Malaysia, Malaysia)



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2B: Session 2B

Session time	Tuesday, 16:00 until 17:45
Location	Room 2
Talk time	15

16:00: A Complete Quantitative Analysis of Self-Potential Anomaly Using Singular Value Decomposition Algorithm

[Arya Dwi Candra](#) (Institut Teknologi Sepuluh Nopember, Indonesia); [Wahyu Srigutomo](#) (Institut Teknologi Bandung, Indonesia); [Sungkono Sungkono](#) (Institut Teknologi Sepuluh Nopember, Indonesia); [Bagus Santosa](#) (Institut Teknologi Sepuluh Nopember, Indonesia)

16:15: Optimizing Engineering Survey Data Towards Geographical Information System Enable Format

[Mohd Amry Johan Mohd Ali](#) (Universiti Teknologi MARA, Malaysia)

16:30: Power Lines Vegetation Encroachment Monitoring Based on Satellite Stereo Images using Stereo Matching

[Abdul Qayyum](#) (UTP, Malaysia); [Aamir S Malik](#) (Senior Lecturer, Malaysia); [Mohamad Saad](#) (UTP, Malaysia); [Mahboob Iqbal](#) (UTP, Malaysia); [Mohd Faris Abdullah](#) (Universiti Teknologi PETRONAS, Malaysia); [TuanAbRashid TuanAbdullah](#) (Universiti Tenaga Nasional, Malaysia); [Ahmad Ramli](#) (Universiti Tenaga Nasional, Malaysia)

16:45: Monitoring of Vegetation Near Power Lines Based on Dynamic Programming using Satellite Stereo Images

Abdul Qayyum (UTP, Malaysia); Amir S Malik (Senior Lecturer, Malaysia); Mohamad Saad (UTP, Malaysia); Mahboob Iqbal (UTP, Malaysia); TuanAbRashid TuanAbdullah (Universiti Tenaga Nasional, Malaysia); Ahmad Ramli (Universiti Tenga Nasional, Malaysia); Rana Fayyaz Ahmad (Universiti Teknologi Petronas, Malaysia)

17:00: *Improvement of Wiener Filter based Speech Enhancement using Compressive Sensing*

Amart Sulong (International Islamic University Malaysia & IIUM, Malaysia); Kushsairy Kadir (Universiti Kuala Lumpur British Malaysian Institute, Malaysia); Teddy Surya Gunawan (International Islamic University Malaysia, Malaysia); Othman Omeran Khalifa (International Islamic University Malaysia, Kulliyah of Engineering, ECE Dept, Malaysia)

17:15: *Evaluation Of The Effect Of Walking Speeds On Human Gait Recognition*

Kushsairy Kadir (Universiti Kuala Lumpur British Malaysian Institute, Malaysia); Nahid Ameer Makhdoomi (International Islamic University Malaysia, Malaysia); Teddy Surya Gunawan (International Islamic University Malaysia, Malaysia); Mohamed Hadi Habaebi (Co-supervisor, Malaysia); Hasmah Mansor (International Islamic University Malaysia (IIUM), Malaysia)

17:30: *Hidden Nodes of Neural Network: Useful Application in Traffic Sign Recognition*

Nursabilillah Binti Mohd Ali (Universiti Teknikal Malaysia Melaka, Malaysia); Mohd Safirin Karis (Universiti Teknikal Malaysia Melaka, Malaysia)



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2C: Session 2C

Session time	Tuesday, 16:00 until 17:45
Location	Room3
Talk time	15

16:00: *Characterization of Aircraft Electro Hydrostatic Actuator Using Virtual Instrumentation*

Karthik SP (National Institute Of Technology, Karnataka, Surthkal & Moog Inc, India); Desai Vijay (National Institute Of Technology, Karnataka, Surthkal, India); Yogananda Jeppu (Moog India Technology Center, India)

16:15: *Comparative Investigation Using GaAs(950nm), GaAIAs (940nm) and InGaAsP (1450nm) Sensors for Development of Non-Invasive Optical Blood Glucose Measurement System*

Nina Madzhi (Universiti Teknologi MARA, Shah Alam, Malaysia); Mohd Firdaus Abdullah (Universiti Teknologi MARA, Cawangan Pulau Pinang, Malaysia); Sarah Addyani Shamsuddin (Universiti Teknologi MARA, Shah Alam, Malaysia)

16:30: *CPW-fed to CPS Dipole Antenna with a Inversed Triangular Loop Director*

Hyeonjin Lee (Dongkang College University, Korea)

16:45: *CNTFET Inverter: A High Voltage Gain Logic Gate*

Soheli Farhana (International Islamic University Malaysia, Malaysia); Ahm Zahirul Alam (International Islamic University Malaysia, Malaysia); Sheraz Khan (International Islamic University Malaysia, Malaysia)

17:00: *Spectrum Sensing in order to Achieve Efficient Frequency Allocation and Building of a Software Defined Radio Using USRP Ettus-N200*

Arya Tah (National Institute of Technology, Durgapur, India)

17:15: *Micro-Mechanical Bending (M2B) Method for Carbon Nanotube (CNT) Based Sensor Fabrication*

Mohd Asyraf Mohd Razib (International Islamic University Malaysia, Malaysia); Tanveer Saleh, Saleh (International Islamic University Malaysia, Malaysia); Azmi Hassan (International Islamic University Malaysia, Malaysia)

17:30: *Various PID Controller Tuning for Air Temperature Oven System*

Najidah Hambali (Universiti Teknologi MARA, Malaysia); Abdul Aziz Ishak (Universiti Teknologi Mara, Malaysia); Zuriati Janin (Universiti Teknologi Mara, Malaysia)

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Closing ceremony

Session time	Tuesday, 17:30 until 17:45
Location	Ball Room

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