

## IEEE-ICSE2014 CONFERENCE SCHEDULE

DAY 1: AUGUST 27, 2014 (WEDNESDAY)

0800-0850	Conference Registration, Foyer of Manhattan II Ballroom
0850-0910	Welcoming Address by EDS Chair, Assoc. Prof. Dr. Mohd Nizar Hamidon, Manhattan II Ballroom

### SESSION 1

Session	Session 1(A) Bronx III	Session 1(B) Bronx IV	Session 1(C) Bronx V
Scope	<b>CLUSTER 1</b> Device Physics & Characterization (I)	<b>CLUSTER 2</b> Opto-electronics and Photonics Technology, Microwave Devices and MMIC	<b>CLUSTER 4</b> Electronics Materials and Device Fabrication (I)
0910-0930	<b>Session Invited Paper - ICSE2014 - 58563</b> <b>Investigation of TMAI Prewall to the Properties of AlN and GaN Film Grown on Si(111) by MOCVD</b> Franky Lumbantoran, Yuan-Yee Wong, Yue-Han Wu, Wei-Ching Huang, Niraj Man Shrestha, Tung Tien Luong, Tran Binh Tinh, Edward Yi Chang TAIWAN	<b>Session Invited Paper - ICSE2014 - 88085</b> <b>Effect of Different Tunnel diodes on the Efficiency of Multi-junction III-V Solar Cells</b> Hung-Wei Yu, Hong-Quan Nguyen, Chen-Chen Chung, Ching-Hsiang Hsu, Chih-Jen Hsiao and Edward Yi Chang TAIWAN	<b>Session Invited Paper - ICSE2014 - 57085</b> <b>Growth Parameters Optimization of GaN High Electron Mobility Transistor Structure on Silicon Carbide Substrate</b> Yuen-Yee Wong, Shih-Che Huang, Wei-Ching Huang, Franky Lumbantoran, Yu-Sheng Chiu, Huan-Chun Wang, Edward Yi Chang TAIWAN
0930-0945	<b>ICSE2014 - 61351</b> <b>Process Development of 40 nm Silicon Nanogap for Sensor Application</b> M.S. Nur Humaira, U. Hashim, , T. Nazwa, S.T. Ten, S. Ahmad, N. A. Yusof MALAYSIA	<b>Session Invited Paper -ICSE2014 - 55653</b> <b>Dispersion Characteristics of Twisted Clad Chiral Nihility Fibers</b> N. Iqbal, M.A. Baqir and P.K. Choudhury MALAYSIA	<b>ICSE2014 - 60633</b> <b>A Field-Effect Device Based on an Exfoliated Thin Film of Few-Layer Graphene</b> Shahrir R. Kasjoo, and Muhammad M. Ramli MALAYSIA
0945-1000	<b>ICSE2014 - 47923</b> <b>Numerical estimation of Self-Sputtering Effect in Ionized Physical Vapor Deposition System</b> Jais Lias, Nafarizal Nayan, Mohd Zainizan Sahdan, Mohd Khairul Ahmad, Huey Sia Lim, Jia Wei Low, Ahmad Shuhaimi, Mohamad Rusop MALAYSIA	<b>ICSE2014 - 77503</b> <b>Gold Nanoplates as Sensing Material for Plasmonic Sensor of Formic Acid</b> Marlia Morsin, Muhamad Mat Salleh MALAYSIA	<b>ICSE2014 - 61399</b> <b>Surface Functionalization of Multiwalled Carbon Nanotube for Biosensor Device Application</b> M.F. Fatin, A. Rahim Ruslinda, M. K. Md Arshad, U. Hashim, S. Norhafizah, M. A. Farehanim MALAYSIA
1000-1015	<b>COFFEE BREAK</b>		
1015-1030	<b>ICSE2014 - 59077</b> <b>Correlation between the Microstructure of Copper Oxide Thin Film and its Gas Sensing Respond</b> Jia Wei Low, Nafarizal Nayan, Mohd Zainizan Sahdan, Mohd Khairul Ahmad, Ali Yeon Md Shakaff, Ammar Zakaria, Ahmad Faizal Mohd Zain MALAYSIA	<b>ICSE2014 - 96877</b> <b>Design and optimization of a Mach-Zehnder Interferometer (MZI) for Optical Modulators</b> Hanim Abdul Razak, Hazura Haroon , P. Susthitha Menon, Sahbudin Shaari, Norhana Arsad MALAYSIA	<b>ICSE2014 - 80349</b> <b>Effect of V/III Ratios on Surface Morphology in a GaSb Thin Film Grown on GaAs Substrate by MOCVD</b> Chih-Jen Hsiao, Chun-Kuan Liu, Sa-Hoang Huynh, Thien-Huu Ha Minh, Hung-Wei Yu, Hong-Quan Nguyen, Jer-Shen Ma, Shouu-Jinn Chang and Edward Yi Chang

			TAIWAN
1030-1045	<b>ICSE2014 - 60671</b> <b>Effect of Substrates Used to Grow by Thermal-CVD Method</b> F. S. Husairi, K. A. Eswar, Z. A. Zainurul, M. Rusop, S. Abdullah MALAYSIA	<b>ICSE2014 - 69821</b> <b>A 48GHz-78GHz MMIC Sub-Harmonic Pumped Image Rejection Mixer</b> Shengzhou Zhang, Lingling Sun, Jincai Wen, Jun Liu CHINA	<b>ICSE2014 - 88673</b> <b>The Effects of Growth Parameters on the Electrical Properties in InAlN/AlN/GaN High-Electron-Mobility Transistors (HEMTs)</b> Wei-Ching Huang, Yuen-Yee Wong, Kusan-Shin Liu, Chi-Feng Hsieh, Edward Yi Chang TAIWAN
1045-1100	<b>ICSE2014 - 60963</b> <b>Aluminum Nitride Thin Film Deposition Using DC Sputtering</b> Mohd Alrashdan, Azrul Hamzah, Burhanuddin Yeop Majlis, Mohd Aziz MALAYSIA	<b>ICSE2014 - 82359</b> <b>Design of 40GHz Multilayer End Coupled Band Pass Filter using LTCC Technology</b> Zulkifli Ambak, Azmi Ibrahim, Hizamel Mohd Hizan, Ahmad Ismat Abdul Rahim, Mohd Zulfadli Mohamed Yusoff, Razali Ngah and Young Chul Lee MALAYSIA	<b>ICSE2014 - 55545</b> <b>Photoluminescence from Localized States in GaAsBi Epilayers</b> A. R. Mohmad, B. Y. Majlis, F. Bastiman, C. J. Hunter, R. D. Richards, J. S. Ng, J. P. R. David MALAYSIA
<b>End of Session 1</b>			
1100-1130	<b>Keynote Paper Speaker I: Distinguished Prof. Dr. Asad M. Madni</b> <b>Title: Convergence of Emerging Technologies to Address the Challenges of the 21<sup>st</sup> Century</b> <b>Venue: Manhattan II Ballroom</b>		
1130-1200	<b>Keynote Paper Speaker II: Prof. Dr. Park Young June</b> <b>Title: There is Plenty of Room at the Silicon</b> <b>Venue: Manhattan II Ballroom</b>		
1200-1230	<b>Keynote Paper Speaker III: Prof. Dr. Edward Yi Chang</b> <b>Title: Realization of GaN-Based Technology for High Power and High Power Applications</b> <b>Venue: Manhattan II Ballroom</b>		
1230-1245	<b>Photo Session</b>		
1245-1400	<b>Lunch Break, Manhattan III Ballroom</b>		
<b>SESSION 2</b>			
Session	<b>Session 2(A)</b> <b>Bronx III</b>	<b>Session 2(B)</b> <b>Bronx IV</b>	<b>Session 2(C)</b> <b>Bronx V</b>
Scope	<b>CLUSTER 1</b> <b>MEMS, Nanoelectronics (I)</b>	<b>CLUSTER 3</b> <b>VLSI Design, Semiconductor Manufacturing and Process, IC Packaging &amp; Testing, Reliability and Failure Analysis</b>	<b>CLUSTER 4</b> <b>Electronics Materials and Device Fabrication (II)</b>
1400-1420	<b>Session Invited Paper - ICSE2014 - 60301</b> <b>Development of Silicon Carbide MEMS Capacitive Pressure Sensor Operating at 500°C</b> Noraini Marsi, Burhanuddin Yeop Majlis, Azrul	<b>Session Invited Paper - ICSE2014 - 58531</b> <b>Implementation of Low Power Compressed ROM for Direct Digital Frequency Synthesizer</b> Salah Hasan, Sawal Ali, Md. Shabiul Islam	<b>Session Invited Paper - ICSE2014 - 54257</b> <b>Epitaxial Lift-Off of Large-Area GaAs Multi-Junction Solar Cells For High Efficiency Clean and Portable Energy Power Generation</b>

	Azlan Hamzah, Ummikalsom Abidin, Faisal Mohd-Yasin MALAYSIA	MALAYSIA	Noren Pan USA
1420-1435	<b>ICSE2014 - 83567</b> <b>Characterization of MEMS Structure on Silicon Wafer using KrF Excimer Laser Micromachining</b> M. Mazalan, B. P. Ng, S. Johari and Y. Wahab MALAYSIA	<b>ICSE2014 - 56785</b> <b>An Ultra-low Power and Area Efficient 10 bit Digital to Analog Converter Architecture</b> Iffa Binti Sharuddin, L. Lee MALAYSIA	<b>ICSE2014 - 61741</b> <b>Controlling Growth Rate of Ultra-thin Silicon Dioxide layer by Incorporating Nitrogen Gas during Dry Thermal Oxidation</b> A.H. Azman, RM Ayub, M. K. Md Arshad, S. Norhafizah, M.F.M. Fathil, M.Z. Kamarudin, M. Nurfaiz, U. Hashim. MALAYSIA
1435-1450	<b>ICSE2014 - 60929</b> <b>I-V Characteristic Effects of Fluidic-based Memristor for Glucose Concentration Detection</b> Nor Shahanim Mohamad Hadis, Asrulnizam Abd Manaf, Nor Shahanim Mohamad Hadis, Sukreen Hana Herman MALAYSIA	<b>ICSE2014 - 82075</b> <b>A Low Power 0.18µm CMOS Technology Integrating Dual-Slope Analog-to Digital Converter</b> Ili Shairah Abdul Halim, Nor Syazwana Mohd Yusof, Siti Lailatul Mohd Hassan MALAYSIA	<b>ICSE2014 - 88733</b> <b>High Quality Ge Epitaxial Films Grown on In0.51Ga0.49P/GaAs and GaAs Substrates by Ultra High Vacuum Chemical Deposition</b> Yung-Hsuan Su, Shih-Hsuan Tang, Chi Lang Nguyen, Ching-Wen Kuan, Hung-Wei Yu and Edward Yi Chang TAIWAN
1450-1505	<b>ICSE2014 - 72981</b> <b>Experimental Analysis on SU-8 Micromolding Structure of PDMS Based Microfluidic Channel</b> Marianah Masrie, Burhanuddin Yeop Majlis and Jumril Yunas MALAYSIA	<b>ICSE2014 - 82559</b> <b>Comparative Study on 8T SRAM with Different Type of Sense Amplifier</b> Siti Lailatul Mohd Hassan, Ili Shairah Abdul Halim MALAYSIA	<b>ICSE2014 - 89927</b> <b>Hydrothermal growth of ZnO Nanotube on InGaP/GaAs/Ge Solar Cells</b> Chen-Chen Chung, Kung- Liang Lin, Hung-Wei Yu, Nguyen-Hong Quan and Edward Yi Chang TAIWAN
1505-1520	<b>ICSE2014 - 90959</b> <b>Corner Compensation Mask Design on MEMS Accelerometer Structure</b> Norliana Yusof , Abdullah C.W. Noorakma, Norhayati Soin MALAYSIA	<b>ICSE2014 - 93683</b> <b>On-Wafer Scattering Parameter Characterization of Differential Four-Port Networks LNA using Two-Port Vector Network Analyzer</b> Maizan Muhamad, Norhayati Soin, Harikrishnan Ramiah, Norlaili Mohd Noh, Chong Wee Keat MALAYSIA	<b>ICSE2014 - 60221</b> <b>Fabrication Anodic Aluminum Oxide Template by using One Step Anodization</b> Asma Fatehi, Chang Fu Dee, Burhan Majlis Azlan Hamzah MALAYSIA
1520-1535	<b>ICSE2014 - 93473</b> <b>Polydimethylsiloxane (PDMS) Microchannel with Trapping Chamber for BioMEMS Applications</b> Ummikalsom Abidin, Burhanuddin Yeop Majlis and Jumril Yunas MALAYSIA	<b>ICSE2014 - 82679</b> <b>Discrete Event Simulation Modeling for Semiconductor Fabrication Operation</b> Mohd Azizi Chik, Syahril Ridzuan AB Rahim Ahmad Zafir MD Rejab, Kader Ibrahim, U. Hashim MALAYSIA	<b>ICSE2014 - 60345</b> <b>Characterisation of Nickel Germanide formed on Amorphous and Crystalline Germanium</b> Fahid Algahtani, Anthony Holland, Elena Pirogova, Mark Blackford AUSTRALIA
1535-1550	<b>ICSE2014 - 60061</b> <b>The RF Power Effect on the Surface Morphology of Titanium Dioxide (TiO<sub>2</sub>) Film</b> S. Norhafiezah, RM Ayub, M. K. Md Arshad, A.H. Azman, M. F. Fatin, M.A. Farehanim and U. Hashim	<b>ICSE2014 - 82731</b> <b>Horrendous Capacity Cost of Semiconductor Wafer Manufacturing</b> Kader Ibrahim, Mohd Azizi Chik, Prof. Dr. Uda Hashim	<b>ICSE2014 - 60705</b> <b>Effects of Annealing Temperature on Dielectric Property of Nano-Films Lead Titanate Prepared on ITO Glass by Spin Coating Method</b> Z. Nurbaya, I.H.H. Affendi, N.A. Azhar, and M. Rusop

	MALAYSIA	MALAYSIA	MALAYSIA
1550-1605	<b>ICSE2014 - 60769</b> <b>Design of a 4-Bit Adder using Reversible Logic in Quantum-Dot Cellular Automata (QCA)</b> Darushini Kunalan, Chee Lee Cheong, Chien Fat Chau, Azrul Bin Ghazali MALAYSIA	<b>ICSE2014 - 88043</b> <b>Gold-Free Cu-Metallized III-V Solar Cell</b> Ching-Hsiang Hsu, Hsun-Jui Chang, Hung-Wei Yu, Hong-Quan Nguyen, Jer-Shen Ma and Edward Yi Chang TAIWAN	<b>ICSE2014 - 64755</b> <b>Annealing Temperature Effect on Nanostructured TiO2 Films</b> I.H.H. Affendi, M. N. Wahida, M.S.P. Sarah, M. Rusop MALAYSIA
1605-1615	<b>COFFEE BREAK</b>		
1615-1630	<b>ICSE2014 - 86391</b> <b>Investigation of the Inserted LT-AlGaN Interlayer in AlGaIn/GaN/AlGaIn DH-FET Structure on Si Substrate</b> Yu-Lin Hsiao, Chia-Ao Chang, and Edward Yi Chang TAIWAN	<b>ICSE2014 - 80581</b> <b>Adhesion Enhancement for Electroless Plating on Mold Compound for EMI Shielding with Industrial Test Compliance</b> Tai, Min Fee, Lee, Swee Kah, Goh, Soon Lock, Kok, Swee Leong, Kenichiroh.Mukai, Tafadwa Magaya MALAYSIA	<b>ICSE2014 - 65049</b> <b>Atomic Force Microscope base Nanolithography for Reproducible Micro and Nanofabrication</b> Arash Dehzangi, Farhad Larki, Burhanuddin Y. Majlis, Zainab Kazemi, MohammadMahdi Ariannejad, A Makarimi Abdullah, Mahmood Goodarz Nasery, Manizheh Navasery, Elias B Saion, Halimah Mohamed. K, Sabar D. Hutagalung MALAYSIA
1630-1645	<b>ICSE2014 - 82061</b> <b>The Annealing Temperature Effect on the Structure and Electrical Properties of Titanium Dioxide (TiO2) Film Deposited by Reactive RF Sputtering</b> S. Norhafiezah, RM Ayub, M. K. Md Arshad, A.H. Azman, M. F. Fatin, M.A. Farehanim and U. ashim MALAYSIA	<b>ICSE2014 - 00875</b> <b>Strain Rate Effect on Micromechanical Properties of Sn-Ag-Cu Solder Wire</b> Izhan Abdullah & Azman Jalar MALAYSIA	<b>ICSE2014 - 70673</b> <b>Performance of Inverted Organic Solar Cell using Different Metal Electrodes</b> M. S. Alias, S.A. Kamaruddin, N. Nafarizal, M.Z. Sahdan MALAYSIA
1645-1700	<b>ICSE2014 - 60895</b> <b>Top-down Fabrication of Silicon Nanowire Sensor Using Electron Beam and Optical Mixed Lithography</b> S.F.A. Rahman, N.A. Yusof, M.N. Hamidon, R.M. Zawawi, U. Hashim MALAYSIA	<b>ICSE2014 - 80945</b> <b>Bridge Defects Analysis for Resistive Random Access Memory Cell Array</b> Norsuhaidah Arshad, Nor Zaidi Haron, Fauziyah Salehuddin MALAYSIA	<b>ICSE2014 - 71653</b> <b>Properties of Boron Doped Carbon Films by Carbon Palm Oil for Carbon Based Solar Cell Applications</b> A. Ishak, M. F. Malek, and M. Rusop MALAYSIA
<b>End of Session 2</b>			
1700-1730	<b>POSTER SESSION I</b>		

**OPENING CEREMONY & CONFERENCE DINNER at Manhattan III Ballroom**

1930-2000

**Arrival of VIP and Invitees  
ICSE2014 Participant Registration**

2000-2010

**Speech by IEEE ICSE2014 Chair, Prof. Dato' Dr. Burhanuddin Yeop Majlis**

2010-2025	<b>Speech and officiating by Chairman of the UKM Board of Directors and Chairman NanoMalaysia Bhd, Prof. Emeritus Dato' Dr. M. Zawawi Ismail</b>
2025-2110	<b>Conference Dinner &amp; Cultural Show</b>
2110-2120	<b>MOU signing with University Saad Dahleb, Blida, Algeria Vice-Chancellor of UKM Prof. Datuk Dr. Noor Azlan Ghazali and President of University Saad Dahleb, Prof. Dr. Mohamed Tahar Abadlia</b>
2120-2145	<b>MOU signing with National Chiao Tung University Vice-Chancellor of UKM Prof. Datuk Dr. Noor Azlan Ghazali and National Chiao Tung University, Prof. Dr. Edward Yi Chang</b>
	<b>Speech and launching of IMEN's research prototype by Deputy Minister of Science and Technology YB Datuk Dr. Abu Bakar Mohamad Diah</b>

**DAY 2: AUGUST 28, 2014 (THURSDAY)**

**SESSION 3**

Session	Session 3(A) Bronx III	Session 3(B) Bronx IV	Session 3(C) Bronx V
Scope	<b>CLUSTER 1 Device Modeling &amp; Simulation (I)</b>	<b>CLUSTER 1 Device Physics &amp; Characterization (II)</b>	<b>CLUSTER 4 Electronics Materials and Device Fabrication (III), Process Technology (CMOS, bipolar, BiCMOS, GaAs, etc)</b>
0900-0915	<b>ICSE2014 - 58983 The Impact of Minority Carrier Lifetime and Carrier Concentration on the Efficiency of CIGS Solar Cell</b> M.F.M. Fathil, M.K. Md Arshad, U. Hashim, A.R Ruslinda, R.M. Ayub, A.H. Azman, M. Nurfaiz, M.Z.M. Kamarudin, M. Aminuddin, A.R Munir MALAYSIA	<b>ICSE2014 - 91703 Electronic State Transition in Cooperatively Interacting Point-defects in Semiconductor Crystals</b> Mohd Ambri Mohamed, B. Y. Majlis, M. H. Ani MALAYSIA	<b>ICSE2014 - 71439 Synthesis of Zinc Oxide Thin Film by Anodizing</b> C.H.Voon, N.Tukemon @ Tukiman, U.Hashim, S.T.Ten, M.N.Derman, K.L. Foo, M. K. Md Arshad, B.Y.Lim MALAYSIA
0915-0930	<b>ICSE2014 - 60983 Lower DIBL in Inverted Substrate of UTBB SOI n-MOSFETs</b> Noraini Othman, M.K. Md Arshad, U. Hashim MALAYSIA	<b>ICSE2014 - 96879 Influence of Gadolinium Doping on the Crystalline Structure and Optical Properties of Zinc Oxide Thin Films</b> Nurulnadia Sarip, Zainizan Sahdan, Farhanahani Mahmud, Siti Nooraya Mohd Tawil MALAYSIA	<b>ICSE2014 - 81295 The Effect of Softbaking Temperature on SU-8 Photoresist Performance</b> Shazlina Johari, Nithiyah Tamilchelvan, Mohammad Nuzaihan Md Nor, Muhammad Mahyiddin Ramli, Bibi Nadia Taib, Mazlee Mazalan and Yufridin Wahab MALAYSIA
0930-0945	<b>ICSE2014 - 54113 Two-Stage Small-Signal Amplifier with Darlington and Sziklai pairs</b>	<b>ICSE2014 - 61359 Synthesis and Characterization of Cupric Oxide Thin Films by Sol-Gel Method</b>	<b>ICSE2014 - 73803 Optical performance of MEH-PPV/ZnO Nanocomposite at Different Weight Percent for</b>

	Sachchidanand Shukla, Beena Pandey INDIA	M.F. Nurfazliana, S.A. Kamaruddin, N. Nafarizal, H. Saim, and M.Z. Sahdan Malaysia	<b>OLED Applications</b> N. E. A. Azhar, S. S. Shariffudin, I. H. H. Affendi, M. N. Wahida MALAYSIA
0945-1000	<b>ICSE2014 - 56313</b> <b>A 20 GHz Power Amplifier Design on Novel Nonlinear Model</b> Zonghua Zheng, Lingling Sun, Jun Liu CHINA	<b>ICSE2014 - 80007</b> <b>Comparative Study of Subthreshold Characteristics of Different Antimonide-based and Nitride-based Dual Material Gate (DMG) HEMTs</b> Arman-Ur-Rashid, Md. Aynal Hossain, Tanvir Rahman and Farseem M. Mohammedy BANGLADESH	<b>ICSE2014 - 78841</b> <b>Effect of Indium Concentration on Optical and Electrical Properties of In Doped ZnO Thin Films for Gas Sensing Application</b> M.Hannas, Azrif Manut, M.Rusop MALAYSIA
1000-1015	<b>COFFEE BREAK</b>		
1015-1030	<b>ICSE2014 - 59103</b> <b>Quantum Ballistic Simulation Study of InGaAs/InAs/InGaAs Quantum Well MOSFET: Effects of Doping and Physical Device Parameters</b> Sudipta Romen Biswas, Kanak Datta, Ehsanur Rahman, Abir Shadman, Quazi D. M. Khosru BANGLADESH	<b>ICSE2014 - 81005</b> <b>The Electrical and Surface Morphology Properties of ITO/P3HT/CdSe/ Al</b> C.H. Rosmani, M.Rusop, S. Abdullah MALAYSIA	<b>ICSE2014 - 80337</b> <b>Switching Behavior of Lateral-Structured Zinc Oxide-Based Memristive Device</b> Raudah Abu Bakar, Sukreen Hana Herman, Nur Syahirah Kamarozaman MALAYSIA
1030-1045	<b>ICSE2014 - 61817</b> <b>Retro-reflective Fiber Optic Displacement Sensor for Performance Optimization using Taguchi Method</b> Supriya S. Patil, Prakash Apte, A. D. Shaligram INDIA	<b>ICSE2014 - 83475</b> <b>Synthesization of Nickel Nanoparticles Embedded in SU8 Polymer for Electromagnetic Actuator Membrane</b> Muzalifah Mohd Said, Jumril Yunas, Roer Ekapawinto, Burhanuddin Yeop Majlis, Badariah Bais MALAYSIA	<b>ICSE2014 - 80339</b> <b>Annealing Temperature Dependence of Resistive Switching Behavior for Sol-gel Spin Coated Zinc Oxide Thin Films</b> Raudah Abu Bakar, Sukreen Hana Herman, Nur Syahirah Kamarozaman MALAYSIA
1045-1100	<b>ICSE2014 - 73663</b> <b>PCB Depanelling Stress Distribution Simulation Analysis Using Designated Thru Holes</b> Retnasamy, V., Sauli. Z., Vairavan, R. & Mamat, H. Malaysia	<b>ICSE2014 - 89671</b> <b>Dielectrophoretic Characterization of Array Type Microelectrodes</b> Muhamad Ramdzan Buyong, Norazreen Abd Aziz, Azrul Azlan Hamzah, Burhanuddin Yeop Majlis MALAYSIA	<b>ICSE2014 - 61649</b> <b>Fabrication of a CMOS-Compatible Surface Acoustic Wave Device for Application in Pathogen Sensing</b> S. T. Ten, U. Hashim, A. Sudin, F. Malek, W.W. Liu, K.L.Foo, C.H. Voon, F. H. Wee, Y.S. Lee, M.S. Nur Humaira, and H.Hisham MALAYSIA
1100-1115	<b>ICSE2014 - 61111</b> <b>Impact of Different Ground Planes of UTBB SOI MOSFETs under the Single-gate (SG) and Double-gate (DG) Operation Mode</b> Noraini Othman, M.K. Md Arshad, S.N. Sabki, and U. Hashim MALAYSIA	<b>ICSE2014 - 80921</b> <b>Impact of Implantation Methods on Speed and Accuracy Trade-off in Calibrated TCAD Tool</b> Muhamad Amri Ismail Malaysia	<b>ICSE2014 - 77959</b> <b>Fabrication of SONOS Flash Memory Device By Using Engineered Tunnel Barrier Technique</b> M. R. Zakaria, A. F. Mahyidin, R. Mat Ayub, U. Hashim MALAYSIA
<b>End of Session 3</b>			

1115-1145	<b>Keynote Paper Speaker IV: Prof. Dr. Arokia Nathan</b> <b>Title: Amorphous Oxide Electronics</b> <b>Venue: Manhattan II Ballroom</b>
1145-1215	<b>Keynote Paper Speaker V: Prof. Dr. Abdelkrim Khelif</b> <b>Title: Acoustic Metamaterials and Phononic Crystals: Towards the Total Control of the Wave Propagation</b> <b>Venue: Manhattan II Ballroom</b>
1215-1245	<b>Keynote Paper Speaker VI: Prof. Dr. Hiroshi Inokawa</b> <b>Title: SOI Photodiode with Surface Plasmon Antenna: From Sensitivity Enhancement to Refractive Index Measurement for Biosensing</b> <b>Venue: Manhattan II Ballroom</b>
1245-1400	<b>Lunch Break, Manhattan III Ballroom</b>

**SESSION 4**

Session	Session 4(A) Bronx III	Session 4(B) Bronx IV	Session 4(C) Bronx V
<b>Scope</b>	<b>CLUSTER 1</b> <b>Device Modeling &amp; Simulation (II)</b>	<b>CLUSTER 1</b> <b>Nanoelectronics (II)</b>	<b>CLUSTER 4</b> <b>Electronics Materials and Device Fabrication (IV)</b>
1400-1415	<b>ICSE2014 - 73655</b> <b>Bonding Stress Analysis on Palladium Bond Pad Between Cu and Au FAB</b> Sauli. Z., Retnasamy, V.& Mamat, H. Malaysia	<b>ICSE2014 - 59359</b> <b>Low Dimensional Simulator for Carbon-based Devices</b> Chin Lin Ng, Michael Loong Peng Tan MALAYSIA	<b>ICSE2014 - 89065</b> <b>Preparation and Characterization of MWCNT Dispersed in Various Solutions</b> M. A. Farehanim, U. Hashim, S. Norhafizah, M.F. Fatin, RM Ayub, Norhayati Soin, Fatimah Ibrahim MALAYSIA
1415-1430	<b>ICSE2014 - 61701</b> <b>Shear Horizontal Surface Acoustic Wave COMSOL Modeling on Lithium Niobate Piezoelectric Substrate</b> S. T. Ten, U. Hashim, A. Sudin, W.W. Liu, K.L.Foo, C.H. Voon, M.S. Nur Humaira, H.Hisham and T. Nazwa MALAYSIA	<b>ICSE2014 - 59367</b> <b>Design and Implementation of a 1-bit FinFET Full Adder Cell for ALU in Subthreshold Region</b> 'Aqilah binti Abdul Tahrir, Michael Loong Peng Tan MALAYSIA	<b>ICSE2014 - 80455</b> <b>Electrical and Optical Properties Characterization of MEH-PPV Thin Film using Sol-Gel Method</b> H. Hashim, S. S. Shariffudin, A. M. Khairuddin, M. S. P. Sarah and M. Rusop MALAYSIA
1430-1445	<b>ICSE2014 - 61017</b> <b>As Surface Channel Quantum Well MOSFET: Quantum Ballistic Simulation Using Mode Space Approach</b> Ehsanur Rahman, Abir Shadman, Sudipta Romen Biswas, Kanak datta, Quazi D. M. Khosru BANGLADESH	<b>ICSE2014 - 81731</b> <b>Dependency of Electrical Characteristics on Nano Gap Variation in Pinch off Lateral Gate Transistors</b> Farhad Larki, Arash Dehzangi , Sawal Ali ,Md. Shabiul Islam, Azman Jalar, Burhanuddin Yeop Majlis , Mohd Nizar Hamidon MALAYSIA	<b>ICSE2014 - 03285</b> <b>Effects of the Fin Width Variation on the Performance of 16nm FinFETs with Round Fin Corners and Tapered Fin Shape</b> S.Wan Muhamad Hatta, N.Soin, S.H.Abdul Rahman, Y.Abdul Wahab MALAYSIA
1445-1500	<b>ICSE2014 - 61053</b>	<b>ICSE2014 - 82393</b>	<b>ICSE2014 - 80965</b>

	<p><b>Condition Based Engine Oil Degradation Monitoring System, Synthesis and Realization on ASIC</b>          Mohd Faizul Md Idros, Md. Shabiul Islam, Sawal Ali          Malaysia</p>	<p><b>Effect of Process Parameter Variability on the Threshold Voltage of Downscaled 22nm PMOS using Taguchi Method</b>          Afifah Maheran A.H., Menon, P.S., I. Ahmad, Noor Faizah Zainul Abidin, Kalaivani T. , P.R. Apte          MALAYSIA</p>	<p><b>Dye-Sensitized Solar Cell Using Aligned ZnO Nanorod Grown on SZO Films at Different Solution Molarities</b>          I. Saurdi, , M.H. Mamat, and M. Rusop          MALAYSIA</p>
1500-1515	<p><b>ICSE2014 - 82501</b>  <b>An Efficient ROM compression Technique for Linear- Interpolated Direct Digital Frequency Synthesizer</b>          Qahtan Khalaf Omran, Mohammad Tariqul Islam, Misran, Member, Mohammad Rashed, Iqbal Faruque          MALAYSIA</p>	<p><b>ICSE2014 - 82577</b>  <b>Modeling the Velocity Saturation Region of Graphene Nanoribbon Transistor</b>          Mahdiar Hosseinghadiry, Farnaz Fotovvatikhah, Razali Ismail, Mohsen Khaledian, Mehdi Saeidmanesh          MALAYSIA</p>	<p><b>ICSE2014 - 82733</b>  <b>Temperature Dependence of Ga:Zno Film Deposited By RF Magnetron Sputtering</b>          Farah Lyana Shain, Saafie Salleh and Afishah Alias          MALAYSIA</p>
1515-1530	<p><b>ICSE2014 - 73091</b>  <b>Mechanical Characteristics of Pores Silicon Membrane for Filtration in Artificial Kidney</b>          Norhafizah Burham, Azrul Azlan Hamzah, Burhanudin Yeop Majlis, SMIEEE          MALAYSIA</p>	<p><b>ICSE2014 - 80195</b>  <b>Characterization of Vertical Strained SiGe Impact Ionization MOSFET for Ultra-Sensitive Biosensor Application</b>          Ismail Saad, Mohd. Zuhir H., Bun Seng C., Khairul A.M, Bablu Ghosh, N. Bolong, Razali Ismail          MALAYSIA</p>	<p><b>ICSE2014 - 83477</b>  <b>TiO<sub>2</sub>-based Extended Gate FET pH-sensor: Effect of Annealing Temperature on its Sensitivity, Hysteresis and Stability</b>          Khairul Aimi Yusof, Sukreen Hana Herman, Wan Fazlida Hanim Abdullah          MALAYSIA</p>
1530-1545	<p><b>ICSE2014 - 74905</b>  <b>Performance Evaluation of Dual-Channel Armchair Graphene Nanoribbon Field-Effect Transistor</b>          Adila Azman, Zaharah Johari, Razali Ismail          MALAYSIA</p>	<p><b>ICSE2014 - 61277</b>  <b>Physical and Optical Studies on ZnO Films by Sol-gel</b>          A. R. Nurulfadzilah, S. N. M. Tawil, C. A. Norhidayah, N. Nafarizal, M. Z. Sahdan          MALAYSIA</p>	<p><b>ICSE2014 - 87461</b>  <b>Modeling and FEM Simulation Using Fluid-Structures Interaction of Flexible Micro-Bridge Bending Within PDMS Micro-Channel</b>          Nadir Belgroune, Abdelkader Hassein-Bey, Burhanuddin Yeop Majlis, Mohamed El-Amine Benamar          ALGERIA</p>
1545-1600	<p><b>ICSE2014 - 76667</b>  <b>Novel Low-Voltage RF-MEMS Switch: Design and Simulation</b>          Ma Li Ya, Norhayati Soin, Anis Nurashikin Nordin          MALAYSIA</p>	<p><b>ICSE2014 - 80335</b>  <b>Investigation on Iodine Flow Rate in MEH-PPV: I-MWCNT Nanocomposite Thin Film</b>          M.S.P. Sarah, M. Mudasir, S.S. Shariffudin, H. Hashim, M.Rusop          MALAYSIA</p>	<p><b>ICSE2014 - 89781</b>  <b>Design Optimization and Finite Element Analysis of AlN/3C-SiC Piezoelectric Bio-Sensors</b>          Abid Iqbal, Faisal MOHD-YASIN, Sima Dimitrijevic          AUSTRALIA</p>
1600-1615	<b>COFFEE BREAK</b>		
1615-1630	<p><b>ICSE2014 - 78827</b>  <b>Three-Input Four-Output Voltage-Mode Multifunction Filter Using Two DDCCs</b>          Montree Kumngern          THAILAND</p>	<p><b>ICSE2014 - 82749</b>  <b>Fabrication of Interdigitated Microelectrodes for CuO Nanowires I-V Measurement</b>          Tiong Teck Yaw, Dee Chang Fu, Azrul Azlan Hamzah, Burhanuddin Yeop Majlis, Muhamad</p>	<p><b>ICSE2014 - 89887</b>  <b>Synthesizing SnAgCu Nanoparticles by Electrodeposition of Reverse Microemulsion Electrolyte</b>          S.P. Foo, K.S. Siow, A. Jalar</p>



		Mat Salleh, Mohd Faizal Aziz, Saadah Abdul Rahman MALAYSIA	MALAYSIA
1630-1645	<b>ICSE2014 - 81715</b> <b>FDCCTA: The Active Building Block for Analog Singal Processing Applications</b> Montree Kumngern THAILAND	<b>ICSE2014 - 66069</b> <b>A Study on the Role of Solvent on Properties of GdxZn1-xO films synthesized by Sol-gel Method</b> C.A Norhidayah, S.A Kamaruddin, N.Nafarizal, M.Z Sahdan, A.R Nurulfadzilah, S.N.M Tawil MALAYSIA	<b>ICSE2014 - 89983</b> <b>Effects of Thermal Cycling on the Mechanical Properties of Gold Wire Bonding</b> Wan Yusmawati Wan Yusoff, Azman Jalar, Norinsan Kamil Othman, Irman Abdul Rahman MALAYSIA
1645-1700	<b>ICSE2014 - 82699</b> <b>Transistor Sizing Methodology for Low Noise Charge Sensitive Amplifier With Input Transistor Working in Moderate Inversion</b> N. Aimaier, R. M. Sidek, M. N. Hamidon, N. Sulaiman MALAYSIA	<b>ICSE2014 - 06583</b> <b>Structural and Electronic Properties of Li doped Decahedral Ag12Li1 Bimetallic Nanoclusters</b> Shaikat Debnath, Suhana Mohd Said MALAYSIA	<b>ICSE2014 - 90053</b> <b>Nanostructured Al-doped ZnO-Based Gas Sensor Prepared Using Sol-Gel Spin-Coating Method</b> Siti Shafura A Karim MALAYSIA
1700-1730	<b>POSTER SESSION II</b>		

**DAY 3: AUGUST 29, 2014 (FRIDAY)**

<b>SESSION 5</b>			
Session	Session 5(A) Bronx III	Session 5(B) Bronx IV	Session 5(C) Bronx V
Scope	<b>CLUSTER 1</b> <b>Device Modeling &amp; Simulation (III)</b>	<b>CLUSTER 1</b> <b>Nanoelectronics (III)</b>	<b>CLUSTER 4</b> <b>Microelectronics Application in Product Development</b>
0900-0915	<b>ICSE2014 - 52575</b> <b>Contactor Characterization Methodology on Pin Inductance</b> Ling Li Ong, Chan Yee Kit, You Ah Heng MALAYSIA	<b>ICSE2014 - 90023</b> <b>Structural damage of Si-implanted in the In0.53Ga0.47As thin film</b> Muhammad Zulkhairi Roslan, , Dilla D. Berhanuddin, Mohd Ambri Mohamed, M.F. Mohd Razip Wee, Farhad Larki, Burhanuddin Yeop Majlis MALAYSIA	<b>ICSE2014 - 54573</b> <b>Memristor Applied In Delay Locked Loop For High Lock Speed And Wide Frequency Range</b> Siti Musliha Ajmal Binti Mokhtar , Wan Fazlida Hanim Abdullah MALAYSIA
0915-0930	<b>ICSE2014 - 59023</b> <b>Modelling of Hybrid Energy Harvester with DC-DC Boost Converter using Arbitrary Input Sources for Ultra-Low-Power Micro-devices</b> Michelle Lim, Md. Shabiul Islam, Sawal Ali, Jahariah Sampe	<b>ICSE2014 - 60637</b> <b>Effects of high-K Dielectric with Metal gate for Electrical Characteristics of 18nm NMOS Device</b> Norani Bte Atan, Burhanuddin Bin Yeop Majlis MALAYSIA	<b>ICSE2014 - 76273</b> <b>Glass Etching for Cost-effective Microchannels Fabrication</b> N.M Salih, N. Nafarizal, S.C. Fhong, M.Z Shahdan, A. Tajjani, U.Hashim MALAYSIA

	MALAYSIA		
0930-0945	<b>ICSE2014 - 83101</b> <b>Study of Interdigitated Electrode Sensor for Lab-on-Chip Applications</b> Mohammadmahdi Vakilian, Burhanuddin Yeop Majlis MALAYSIA	<b>ICSE2014 - 89563</b> <b>Statistical Process Modelling For 32nm High-K/Metal Gate PMOS Device</b> Afifah Maheran A.H., Noor Faizah Z. A., P. S. Menon, I. Ahmad, P.R. Apte, Kalaivani T., Salehuddin, F. MALAYSIA	<b>ICSE2014 - 78033</b> <b>Integrated Constant Voltage Constant Current Readout Interfacing Circuit for EGFET Electrochemical Sensing</b> H. Guliga, W. F. H. Abdullah, S. H. Herman MALAYSIA
0945-1000	<b>ICSE2014 - 83165</b> <b>Simulation of Temperature Dependent Characterization of Charge Transport in Organic Transistor</b> Khairul Anuar Mohamad, Umar Faruk Shuib MALAYSIA	<b>ICSE2014 - 93407</b> <b>Channel Length Effect on the Saturation Current and the Threshold Voltages of CNTFET</b> Abu Hanifah Muhamad Ali and M. H. Ani, Mohd Ambri Mohamed MALAYSIA	<b>ICSE2014 - 81857</b> <b>2.4GHz WLAN RF Energy Harvester for Passive Indoor Sensor Nodes</b> Fatima Alneyadi, Maitha Alkaabi, Salama Alketbi, Shamsa Hajraf, and Rashad Ramzan UAE
1000-1015	<b>COFFEE BREAK</b>		
1015-1030	<b>ICSE2014 - 83583</b> <b>A Study on the Gas Sensing Effect on Current-Voltage Characteristics of ZnO Nanostructures</b> W.H.Khoo and S.M.Sultan MALAYSIA	<b>ICSE2014 - 82869</b> <b>Spice Model Design for Carbon Nanotube Field Effect Transistor (CNTFET)</b> Soheli Farhana, AHM Zahirul Alam and Sheroz Khan MALAYSIA	<b>ICSE2014 - 82051</b> <b>Theoretical Study of On-Chip Meander Line Resistor to Improve Q-factor</b> Wong Goon Weng, Norhayati Binti Soin MALAYSIA
1030-1045	<b>ICSE2014 - 93127</b> <b>Performance Analysis of Zinc Oxide Piezoelectric MEMS Energy Harvester</b> Rosminazuin Ab Rahim, Umi Milhana Jamain, Nur Hidayah Ibrahim MALAYSIA	<b>ICSE2014 - 83323</b> <b>Process-induced NBTI-imbalance of High-k/metal-gate deep-submicron CMOS</b> Y. Abdul Wahab, N. Soin, H. Hussin MALAYSIA	<b>ICSE2014 - 82947</b> <b>Memristor to Control Delay of Delay Element</b> Siti Musliha Ajmal Binti Mokhtar, Wan Fazlida Hanim Abdullah MALAYSIA
1045-1100	<b>ICSE2014 - 89565</b> <b>Finite Element Modeling of Dielectrophoretic Microelectrodes Based on a Array and Ratchet Type</b> Muhamad Ramdzan Buyong , Norazreen Abd Aziz, Azrul Azlan Hamzah, M.F. Mohd Razip Wee, Burhanuddin Yeop Majlis MALAYSIA	<b>ICSE2014 - 83729</b> <b>Memristive Behavior of HF-Etched Sputtered Titania Thin Films</b> Z. Aznilinda, M. M. Ramly, NS Kamarozaman and S.H.Herman MALAYSIA	<b>ICSE2014 - 83407</b> <b>Design and Fabrication of PCB Based Planar Micro-coil For Magnetic MEMS Actuator</b> Roer Eka Pawinanto, Jumril Yunas, Muzalifah Mohd. Said, Mimiawaty Mohd. Noor, Burhanuddin Yeop Majlis MALAYSIA
1100-1200	<b>Award Presentation and Closing Ceremony at Manhattan II Ballroom</b>		
1200-1430	<b>Lunch Break, Manhattan III Ballroom</b>		
<b>END OF IEEE-ICSE2014</b>			

## POSTER PRESENTATION

DAY 1: AUGUST 27, 2014 (WEDNESDAY) - 1700-1730

Session	Title	Author
1700-1730	<b>ICSE2014 - 52435</b> <b>Synthesis and Characterization of Carbon Nano Structures on Gallium Phosphate</b>	Aishah Fauthan, Mohd Nizar Hamidon, Zainab Yunusa, Burhanuddin Yeop Majlis MALAYSIA
	<b>ICSE2014 - 70605</b> <b>The effect of Annealed Temperature to LaPO<sub>4</sub> Thin Films Prepared by sol-gel method</b>	A.Z.Zainurul ,M.N.Asiah , ,S.Abdullah, M.Rusop MALAYSIA
	<b>ICSE2014 - 72251</b> <b>The Impact of Channel Doping in Junctionless Field Effect Transistor</b>	B.S Lim, M.K. Md Arshad, Noraini Othman, U. Hashim MALAYSIA
	<b>ICSE2014 - 73667</b> <b>High Power LED Heat Dissipation Simulation Analysis via Heat Sink Fin Variation</b>	Retnasamy, V. ,Sauli. Z., Vairavan, R. ,Tanisellam, S. & Mamat, H. MALAYSIA
	<b>ICSE2014 - 73775</b> <b>The Impact of Scaled Channel Length in Tunneling Field Effect Transistors (TFETs)</b>	Nurul Huda Abdul Rahman, M. K. Md Arshad, Noraini Othman and U. Hashim MALAYSIA
	<b>ICSE2014 - 91901</b> <b>Effects of Material and Membrane Structure on Maximum Temperature of Microheater for Gas Sensor Applications</b>	Mimiwaty Mohd Noor, Gandi Sugandi, Mohd Faizal Aziz and Burhanuddin Yeop Majlis MALAYSIA
	<b>ICSE2014 - 93119</b> <b>FEM Analysis of Wavelength Effects in Piezoelectric Substrate</b>	Norazreen Abd Aziz, Badariah Bais, Muhamad Ramdzan Buyong and Burhanuddin Yeop Majlis, Anis Nurashikin Nordin MALAYSIA

**DAY 2: AUGUST 28, 2014 (THURSDAY) : 1700-1730**

Session	Title	Author
1700-1730	<b>ICSE2014 - 61581</b> <b>Fabrication of SAW Device by using ZnO Thin Film as a Sensing Area</b>	S.L.Lai, M.R. Zakaria, U. Hashim, K.L Foo MALAYSIA
	<b>ICSE2014 - 61657</b> <b>Preparation of Zinc Oxide Piezoelectric for Surface Acoustic Wave Biosensor Device</b>	M. R. Zakaria, F. Hamzah, M. F. Omar, U. Hashim, R. Mat Ayub MALAYSIA
	<b>ICSE2014 - 64615</b> <b>Fabrication and Characterization of Undoped Polysilicon Nanowire for pH sensor</b>	C.C. Yee, M. K. Md Arshad, M. Nuzaihan M. N, and U. Hashim MALAYSIA
	<b>ICSE2014 - 64849</b> <b>Fabrication and Characterization of Polysilicon for DNA Detection</b>	Y. M. Ang, M. K. Md Arshad, K. L. Foo, M.N. Md Noor, U. Hashim MALAYSIA
	<b>ICSE2014 - 70499</b> <b>Effects of Ethanol in Oxalic Acid on the Synthesis of Porous Anodic Alumina</b>	N.H.M. Saleh, C.H.Voon, B.Y.Lim, S.T.Ten, M.N.Derman, K.L. Foo, M. K. Md Arshad, U.Hashim MALAYSIA
	<b>ICSE2014 - 83311</b> <b>Low Power and Low Voltage SRAM Design for LDPC Codes Hardware Applications</b>	Rosalind Deena Kumari Selvam, C. Senthilpari, Lee Lini MALAYSIA
	<b>ICSE2014 - 90013</b> <b>Parametric Analysis of Boost Converter for Energy Harvesting using Piezoelectric for Micro Devices</b>	Shafii A. Wahab, Mohammad S. Bhuyan, Jahariah Sampe, Sawal H. Md. Ali MALAYSIA