

IEEE-RSM2015 CONFERENCE SCHEDULE
DAY 1: AUGUST 19, 2015 (WEDNESDAY)

0800-0900	Conference Registration at <i>Foyer of Gamelan 3</i>
0900-0920	Welcoming Address by IEEE-RSM2015 Chair, Assoc. Prof. Dr. Mohd Nizar Hamidon, <i>Gamelan 3</i>

SESSION 1

Session	Session 1(A) (<i>Gamelan 3</i>) Chair: Assoc. Prof. Dr. Wan Zuha Wan Hasan	Session 1(B) (<i>Rebana 3</i>) Chair: Assoc. Prof. Dr. Suhaidi Shafie	Session 1(C) (<i>Rebana 4</i>) Chair: Dr. Jahariah Sampe
Scope	MEMS & Microsensors (I)	Materials & Process (I)	Nanotechnology (I)
0930-0945	RSM2015 – 41195 The Vertical Strained Impact Ionization MOSFET (VESIMOS) for Ultra-Sensitive Biosensor Application Ismail Saad, Andee Hazwani B., Mohd. Zuhir H., Bun Seng C., N. Bolong MALAYSIA	RSM2015 – 97685 Verification of the Thin Film Metal Layer Thickness by Energy Dispersive X-ray Lai Chin Yung, Cheong Choke Fei MALAYSIA	RSM2015 – 56135 A Computational Study on Transport Properties of Square Graphene Nanoconstriction Sakina Shamim Husain and Zaharah Johari MALAYSIA
0945-1000	RSM2015 – 46629 Development of a Read-Out Circuitry for Piezoresistive Microcantilever Electrical Properties Measurement A.F.M. Anuar, S. Johari, Y. Wahab, M.Z. Zainol, H. Fazmir, M. Mazalan, M.K. Md Arshad MALAYSIA	RSM2015 – 56775 Influence of Laser Wavelength Variation on the Laser Annealed CdTe Thin Films Grown by Thermal Evaporation N. A. Khan, K. S. Rahman, T. H. Chowdhury, K. Sopian, A. M. Ali, M. M. Alam, N. Amin MALAYSIA	RSM2015 – 59771 Performance Benchmarking of Graphene Nanoscroll Transistor with 22nm MOSFET Model Afiq Hamzah, Adila Syaidatul Azman, Razali Ismail, Zaharah Johari MALAYSIA
1000-1015	RSM2015 – 46773 PDMS Young's Modulus Calibration for Micropillar Force Sensor Application S. Johari, H. Fazmir, A.F.M. Anuar, M.Z. Zainol, V. Nock and W. Wang MALAYSIA	RSM2015 – 56799 Investigation of the Annealing Time Effects on Cu Deposited CdTe Thin Films for Photovoltaic Application K. S. Rahman, N. A. Khan, M. N. Imamzai, M. Akhtaruzzaman, K. Sopian, Z. A. Alothman, N. Amin MALAYSIA	RSM2015 – 56259 Towards High Performance Graphene Nanoribbon Transistors (GNR-FETs) Aishah Khalid, Takuo Chikuba, Takuya Iwasaki, Jahariah Sampe, Burhanuddin Yeop Majlis, Hiroshi Mizuta, Mohd Ambri Mohamed MALAYSIA

1015-1030	BREAK AND NETWORKING		
1030-1045	RSM2015 – 46817 Towards Improving the Etch Performance of KrF Excimer Laser Micromachining on Silicon Material M.Z. Zainol, S. Johari, H. Fazmir, A.F.M. Anuar, Y. Wahab and M. Mazalan MALAYSIA	RSM2015 – 41351 Impact of Stress-induced Heating on PLR and WLR HCI Testing Ng Hong Seng, Amy Voo Mei Mei MALAYSIA	RSM2015 – 75483 Improved Growth Quality of the ZnO Thin Films on Au Nano-particles/p-Si Emre Gür*, Ali Baltakesmez, Sebahattin Tüzemen, Adem Yenisooy TURKEY
1045-1100	RSM2015 – 50703 Modelling of Microfluidics Network using Electric Circuits N. Zaidon, A. N. Nordin, A.F. Ismail MALAYSIA	RSM2015 – 46617 Effect of Isopropyl Alcohol (IPA) on Etching Rate and Surface Roughness of Silicon Etched in KOH Solution Norhafizah Burham*, Azrul Azlan Hamzah (MIEE), Burhanuddin Yeop Majlis (SMIEE) MALAYSIA	RSM2015 – 56761 Physical Properties of Hydrothermal Growth Nanostructure Metal Titanium Dioxide M. R. Zakaria, N.Farahin, Rozana. A. M. Osman, Sh. Nadzirah, A. H. Azman, U. Hashim, M.K. Md Arshad MALAYSIA
1100-1115	RSM2015 – 56647 Simulation of an Hybrid Blood Cells Micro-Separator Foughalia Aissa, Rosminazuin Abdul Rahim, Anis Nurashikin Nordin and S. Noorjannah Ibrahim MALAYSIA	RSM2015 – 50699 Ag, Pd/Ag, and Au Thick Films Growth Using Screen Printing Method for Microstrip Band Pass Filter Application I D.P. Hermida, G. Wiranto, D.Mahmudin, Deni Permana K, Listya Utari, Andhy Setiawan INDONESIA	RSM2015 – 47595 Preparation, Deposition and Characterization of Zinc Oxide Thin Film for Field-effect Transistor-Based Biosensors Application M.F.M. Fathil, M.K. Md Arshad, U. Hashim, A.R Ruslinda, R.M. Ayub, Subash C.B. Gopinath, C.H. Voon, K.L Foo, R. Adzhri, M. Nuzaihan M.N., A.H. Azman, M. Zaki MALAYSIA
1115-1130	RSM2015 – 40655 Characterization of R_{OFF}/R_{ON} Ratio of Fluidic Based Memristor Sensor for pH Detection Nor Shahanim Mohamad Hadis, Asrulnizam Abd Manaf, Sukreen Hana Herman MALAYSIA	RSM2015 – 56389 Photoresist residue defect by etch byproduct on PIP Etch Process Sim Ming Dau, Oh Sang Hun, Chai Chin Chin, Lee Eng Eng, You Hyuk Joon, And Lee Boon Chun MALAYSIA	RSM2015 – 54033 The Effect of Aluminum Nanoparticle on the Seebeck Coefficient of Biomedical Thermoelectric Devices A.H. Azaddin, R.M. Ayub, A.H. Azman, M. K. Md Arshad, M.F.M. Fathil, U. Hashim, A.R Ruslinda, Subash C.B. Gopinath, C.H. Voon, K.L Foo MALAYSIA

END OF SESSION 1

KEYNOTE SESSION

1140-1210	Keynote Paper Speaker I: Dr. Meyya Meyyappan Title: Nanotechnology- Development of Practical Systems and Nano-Micro-Macro Integration Venue: Gamelan 3 <i>Chair: Prof. Dr. Ibrahim Ahmad</i>
1210-1240	Keynote Paper Speaker II: Prof. Dr. Sahbudin Shaari Title: Parallel Injection Current Modulation of Mach-Zehnder Interferometer Modulator on Silicon on Insulator Venue: Gamelan 3 <i>Chair: Prof. Dr. Ibrahim Ahmad</i>
1240-1300	Photo Session
1300-1430	Lunch Break at Bayu Restaurant

SESSION 2

Session	Session 2(A) <i>(Gamelan 3)</i> <i>Chair: Assoc. Prof. Dr. Norhayati Soin</i>	Session 2(B) <i>(Rebana 3)</i> <i>Chair: Assoc. Prof. Dr. Mohd Nizar Hamidon</i>	Session 2(C) <i>(Rebana 4)</i> <i>Chair: Ir. Hazian Mamat</i>
Scope	Circuit, VLSI & Microwave (I)	Materials & Devices	Photonics
1430-1445	RSM2015 – 44195 Physics-Based Modelling of Vertical Strained Impact Ionization MOSFET (VESIMOS) Ismail Saad, Bun Seng C., Mohd. Zuhir H., Andee Hazwani B., N. Bolong MALAYSIA	RSM2015 – 58771 Electrical Simulation of Ni/4H-SiC Schottky Diodes Before and After Low Energy Electron Radiation Sabuhi Ganiyev, Norasmahan Muridan, Nurul Fadzlin Hasbullah, Yusof Abdullah MALAYSIA	RSM2015 – 54717 On the SPR-Based Optical Biosensors M.A. Baqir and P.K. Choudhury MALAYSIA
1445-1500	RSM2015 – 46801 Effect of Zeta Potential Variation in Single Phase Flow Characteristics of a Rectangular Nanochannel Tuan Norjihhan Tuan Yaakub*, Jumril Yunas, Burhanuddin Yeop Majlis MALAYSIA	RSM2015 – 47121 Trajectory of Microparticles Actuated with Standing Surface Acoustic Waves in Microfluidic Devices Bobby Mathew, Anas Alazzam, Saud Khashan, Ghulam Destgeer, Hyung J Sung Abu Dhabi, UAE	RSM2015 – 56185 The Effect of Growth Conditions to the Optical Quality of GaAsBi Alloy A. R. Mohmad, B. Y. Majlis, F. Bastiman, R. D. Richards, J. P. R. David MALAYSIA

1500-1515	RSM2015 – 48095 FPGA-Based Hardware-in-the-Loop Verification of Dual-Stage HDD Head Position Control Kiattisak Sengchuai, Pruittikorn Smithmaitrie, Warit Wichakool, Nattha Jindapetch THAILAND	RSM2015 – 51579 Modeling Microparticles' Path in DEP-FFF Microfluidic Devices Bobby Mathew, Anas Alazzam, Mohammad Abutayeh, Ion Stiharu Abu Dhabi, UAE	RSM2015 – 59847 Sensitivity Improvement of Multipath Optical Ring Resonators Using Silicon-On-Insulator Technology D.Mahmudin, T.T Estu, P.Daud, I.D.P. Hermida, G. Sugandi, Y.N. Wijayanto, P. Sushitha Menon and Sahbudin Shaari INDONESIA
1515-1530	RSM2015 – 47001 Designing a Boost Converter of Micro Energy Harvester Using Thermal and Vibration Input for Biomedical Devices Nor Afidatul Asni Semsudin, Jahariah Sampe, Md Shabiul Islam, Ahmad Rifqi Md Zain, Dilla Duryha Berhanuddin MALAYSIA	RSM2015 – 46453 Synthesis and Characterization of Neodymium and Nickel Particles in Polymer Base Actuator Muzalifah Mohd Said, Jumril Yunas, Burhanuddin Yeop Majlis, Badariah Bais MALAYSIA	RSM2015 – 56551 Numerical Simulation of One Dimensional (1D) Photonic Crystal Multiple Cavities Based on Silicon on Insulator (SOI) Jamilah Husna, Mohd Ambri Mohamed, Jahariah Sampe, Ahmad Rifqi Md. Zain MALAYSIA
1530-1545	BREAK AND NETWORKING		
1545-1600	RSM2015 – 53831 Optimization of RF- DC Converter in Micro Energy Harvester Using Voltage Boosting Network and Bulk Modulation Technique for BioMedical Devices Farah Fatin Zulkifli, Jahariah Sampe, Mohd Shabiul Islam, Mohd Ambri Mohamed and Shafii A. Wahab MALAYSIA	RSM2015 – 55183 Reactive Ion Etching of TiO2 Thin Film: The Impact of Different Gaseous R. Adzhri, M.K. Md Arshad, M.F.M. Fathil, U. Hashim, A.R Ruslinda, R.M. Ayub, Subash C.B. Gopinath, C.H. Voon, K.L Foo, M. Nuzaihan M.N., A.H. Azman, M. Zaki MALAYSIA	RSM2015 – 54027 Reproducibility and Free Spectral Range (FSR) Control of a High Quality Factor - 1D Photonic Crystal (PhC) Extended Cavity Ahmad Rifqi Md Zain, Burhanuddin Y.Majlis and Richard.M.De La Rue MALAYSIA
1600-1615	RSM2015 – 75215 Fabrication of Superconducting YBCO Microwave Microstrip Resonators Mehmet Ertugrul, Gonca Aras, Ugur Cem Hasar, M. Tolga Yurtcan, Erdal Sönmez, Önder Şimşek TURKEY	RSM2015 – 55199 Characteristics of TiO2 Thin Film with Back-Gate Biasing for FET-Based Biosensors Application R. Adzhri, M.K. Md Arshad, M.F.M. Fathil, U. Hashim, A.R Ruslinda, R.M. Ayub, Subash C.B. Gopinath, C.H. Voon, K.L Foo, M. Nuzaihan M.N., A.H. Azman, M. Zaki MALAYSIA	RSM2015 – 55405 FDTD Analysis of Structured Metallic Nanohole Films for LSPR-Based Biosensor Fairus Atida Said, P. Susthitha Menon, Sahbudin Shaari, Burhanuddin Yeop Majlis, Mohd Ambri Mohamed MALAYSIA

1615-1630	RSM2015 – 49127 Electrical Performances Based on Two Different Structured of Micro Supercapacitor Electrodes Hafzaliza Erny Zainal Abidin, Azrul Azlan Hamzah, Mohd Ambri Mohamed, Burhanuddin Yeop Majlis MALAYSIA	RSM2015 – 50363 Real-Time Detection by Properties of Tin Dioxide for Formaldehyde Gas Sensor M. Zaki, U. Hashim, M.K. Md Arshad, M.F.M. Fathil, A.R Ruslinda, R.M. Ayub, Subash C.B. Gopinath, C.H. Voon, K.L Foo, R. Adzhri, A.H. Azman MALAYSIA	RSM2015 – 59801 Design of Optical Single Mode Splitter using Ion Exchange Method for Ammonia Biosensor M. Ariannejad, P. S. Menon, S. Shaari, A. R. Md Zain, M. Al-Tarawni, A. A. Ehsan, and A. Abedini MALAYSIA
1630-1645	RSM2015 – 16301 A 3-Stage 40 GHz CMOS Power Amplifier Driver for Radio-Over-Fiber Technology Nazif Emran Farid, Siti Maisurah Mohd Hassan, Rasidah Sanusi, Ahmad Ismat Abdul Rahim MALAYSIA	RSM2015 – 58279 Fabrication and Electrical Characterization of Graphene Oxide as Transducing Channel for Biosensor Application Saeed S. Ba Hashwan, A.Rahim Ruslinda, M. F. Fatin, V. Thivina, V. C. S Tony, M. Munirah, M. K. Md Arshad, Voon C.H, R.M. Ayub, Subash C.B. Gopinath, M.R.Muda, Muhammad M.Ramli, U. Hashim MALAYSIA	RSM2015 – 59891 On The Performance of Mach-Zehnder-Interferometer (MZI) Optical Modulator on Silicon-On-Insulator (SOI) Hanim Abdul Razak, P. Suthitha Menon, Sahbudin Shaari, Hazura Haroon, Anis Suhaila Mohd Zain MALAYSIA
1645-1700	RSM2015 – 56605 The Design of Ground Shield Spiral Inductor using 0.13 μm CMOS Technology for Millimeter-Wave Radio over Fiber Applications Rasidah S., Siti Maisurah M.H., Nazif E.F., Norhapizin K., A.I.A. Rahim MALAYSIA	RSM2015 – 60025 Laser Micromachining of Circular Transmission Line Model (CTL M) of Al Contacts on n-type SiC/Si Chips N.F. Mohd Nasir, Y. Wahab, M. Mazalan, K.A. Hassan, P.W. Leech, G.K. Reeves, P. Tanner and A.S. Holland MALAYSIA	RSM2015 – 46619 Fabrication of Gold Strip Thin Film on Glass Substrate for Plasmonic Demodulation Application Wan Maisarah Mukhtar, Sahbudin Shaari, P.Suthitha Menon, Hanim Abdul Razak MALAYSIA

END OF SESSION 2

OPENING CEREMONY & CONFERENCE DINNER at *Beach Front*

1930-1945	Arrival of guests/participants
2000-2015	Welcoming speech
2015-2230	Dinner, Cultural Performance and music

DAY 2: AUGUST 20, 2015 (THURSDAY)

SESSION 3

Session	<p align="center">Session 3(A) (Gamelan 3) <i>Chair: Dr. Sharifah Fatmadiana Wan Muhamad Hatta</i></p>	<p align="center">Session 3(B) (Rebana 3) <i>Chair: Dr. Siti Noorjannah Ibrahim</i></p>	<p align="center">Session 3(C) (Rebana 4) <i>Chair: Dr. Mohd Khairuddin Md Arshad</i></p>
Scope	Circuit, VLSI & Microwave (II)	MEMS & Microsensors (II)	Nanotechnology (II)
0900-0915	<p>RSM2015 – 46671 Investigation on Optical Interconnect(OI) Link Performances using External Modulator Siti Sarah Binti Md Sallah, Sawal Hamid Md Ali, P. Susthitha Menon, Md. Shabiul Islam, Siti Anom Ahmad MALAYSIA</p>	<p>RSM2015 – 51409 Modeling and Simulation of Polysilicon Piezoresistors in a CMOS-MEMS Resonator for Mass Detection Mawahib Gafare, J. O. Dennis, M. H. Md Khir, Almur Rabih, Abdelaziz Ahmed MALAYSIA</p>	<p>RSM2015 – 52891 Surface Properties of Modified Nanodiamond on Silicon via a Spray Method J. Nurismaliza, A.R. Ruslinda, M.K. Md Arshad, Subash C.B. Gopinath, M.F. Fatin, C.H. Voon, K.L. Foo, U. Hashim, R.M. Ayub MALAYSIA</p>
0915-0930	<p>RSM2015 – 38435 High Frequency CNTFET-based Logic Gate Soheli Farhana, AHM Zahirul Alam and Sheroz Khan MALAYSIA</p>	<p>RSM2015 – 55579 CMOS-MEMS Thermoelectric Generator for Low Power Medical Devices Z. H. A. Rahman, M. H. Md. Khir, Z. A. Burhanudin MALAYSIA</p>	<p>RSM2015 – 53083 Study on Chemically Modified Graphene Platforms for Biosensor Applications M. Fadhlina, A.R. Ruslinda, M.K. Md Arshad, Subash C.B. Gopinath, M.F. Fatin, C.H. Voon, K.L. Foo, U. Hashim, R.M. Ayub MALAYSIA</p>
0930-0945	<p>RSM2015 – 53885 Electron Concentration Behavior in Junctionless vs Junction SOI n-MOSFET Transistor A.R.N. Huda, M.K.Md Arshad, Noraini Othman, C.H. Voon, R.M. Ayub, Subash C.B. Gopinath, K.L. Foo, A.R. Ruslinda, U.Hashim, H.Cheun Lee, P.Y.P.Adelyn, and S.M.Kahar MALAYSIA</p>	<p>RSM2015 – 53959 Low Temperature Bonding Techniques for MEMS Devices Anuroop, Deepak Bansal, Prem Kumar, Maninder Kaur and Kamaljit Rangra INDIA</p>	<p>RSM2015 – 54531 Integrated of IDEs with TiO2 Nanoparticles Thin Films for pH Sensor A.K.M. Muaz, U. Hashim, N. Azizah, M.K. Md Arshad, K.L Foo, A.R Ruslinda, R.M. Ayub, Subash C.B. Gopinath, C.H. Voon MALAYSIA</p>

0945-1000	<p>RSM2015 – 53899 Impact of Size Variation in Junctionless vs Junction Planar SOI n-MOSFET Transistor A.R.N. Huda, M.K.Md Arshad, Noraini Othman, C.H. Voon, R.M. Ayub, Subash C.B. Gopinath, K.L. Foo, A.R. Ruslinda, U.Hashim, H.Cheun Lee, P.Y.P.Adelyn, and S.M.Kahar MALAYSIA</p>	<p>RSM2015 – 62813 A Comparative Study of Photocurable Sensing Membrane for Potassium ChemFET Sensor Nora'zah Abdul Rashid, Mohd Adam Mohd Noor, Zalhan Md Yusof MALAYSIA</p>	<p>RSM2015 – 54693 TiO2 Anatase Phase Structure Growth, Morphological Optical and Electrical Characterization by Different Alcoholic Solvents A.K.M. Muaz, U. Hashim, N. Azizah, M.K. Md Arshad, K.L Foo, A.R Ruslinda, R.M. Ayub, Subash C.B. Gopinath, C.H. Voon MALAYSIA</p>
1000-1015	BREAK AND NETWORKING		
1015-1030	<p>RSM2015 – 54553 Impact of High-k Dielectric on the Digital and Analog Performance on Emulation of Double-Gate UTBB SOI MOSFETs with Different Ground Plane Structures Noraini Othman, M.K. Md Arshad, S.N. Sabki and U. Hashim MALAYSIA</p>	<p>RSM2015 – 55481 Fabrication and Characterization of SAW IDT Biosensor for Biomolecule Detection M. R. Zakaria, Mohd Firdaus Omar, A. H. Azman, U. Hashim, M.K. Md Arshad MALAYSIA</p>	<p>RSM2015 – 61415 Synthesis of Carbon Nanotubes using Microwave Oven Nicodemus Kure, Mohd Nizar Hamidon, Saman Azhari and Kamilu Iman Usman MALAYSIA</p>
1030-1045	<p>RSM2015 – 59997 Impact of Silicon-Body Thickness on Emulation of Double-Gate UTBB SOI MOSFETs with Different Ground Plane Structures Noraini Othman, M.K. Md Arshad, S.N. Sabki and U. Hashim MALAYSIA</p>	<p>RSM2015 – 67621 Real Time Motorcycle Image Detections on Field Programmable Gate Array Mohd Ali Mat Nong*, Roslina Sidek, Rosiah Osman and Juraina Md Yusof MALAYSIA</p>	<p>RSM2015 – 63713 Silicon Nanowire Interface Circuit for Biosensing Applications Kamilu Iman Usman, Mohd Nizar Hamidon, Nor Azah Yusof, Saman Azhari, Kure Nicodemus, Siti Fatimah Abd Rahman MALAYSIA</p>
1045-1100	<p>RSM2015 – 57101 A Low Power Bandgap Voltage Reference for Low-Dropout Regulator Chu-Liang Lee, Roslina Mohd Sidek, Fakhrul Zaman Rokhani, Nasri Sulaiman MALAYSIA</p>	<p>RSM2015 – 41841 3C-SiC-on-Si Based MEMS Packaged Capacitive Pressure Sensor Operating up to 500 °C and 5 MPa Noraini Marsi, Burhanuddin Yeop Majlis, Azrul Azlan Hamzah, Hafzaliza Erny Zainal Abidin, Faisal Mohd-Yasin MALAYSIA</p>	<p>RSM2015 – 61397 Effect of Aggregation on Dielectric Property of MWCNT/PDMS Nanocomposite Saman Azhari, Mohd Nizar Hamidon, Kamilu Iman Usman, Ismayadi Ismail, Intan Helina Hasan, Kure Nicodemus MALAYSIA</p>

1100-1115	RSM2015 – 66329 Comparison of Seven Cantilever Designs for Piezoelectric Energy Harvester Based On Mo/AlN/3C-SiC Faisal Mohd-Yasin, Abid Iqbal AUSTRALIA	RSM2015 – 52123 CMOS-MEMS Multiple Resonant Vibration Energy Harvester for Wireless Sensor Network Imran Ali, M.H. Md Khir, Z. Baharudin, K.Ashraf MALAYSIA	RSM2015 – 47513 Reduction of Graphene Oxide by Sodium Borohydride Muhammad M. Ramli, Siti S. Mat Isa, M.R. Muda, K.N. Hanim, Z. Norhanisah, Shazlina Johari, U. Hashim MALAYSIA
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END OF SESSION 3

KEYNOTE SESSION

1130-1200	Keynote Paper Speaker III : Prof. Dr. Hirofumi Tanaka Title: Brain-like Signal Generating Electric Devices Made of Single-walled Carbon Nanotube and Nanoparticle Complex Venue: Gamelan 3 <i>Chair: Prof. Dr. AHM Zahirul Alam</i>
1200-1230	Keynote Paper Speaker IV: Dr. Hin Tze Yang Title: The Future of Optoelectronics Packaging in High Data Rates Application Venue: Gamelan 3 <i>Chair: Prof. Dr. AHM Zahirul Alam</i>
1230-1400	Lunch Break at Bayu Restaurant

SESSION 4

Session	Session 4(A) <i>(Gamelan 3)</i> <i>Chair: Assoc. Prof. Dr. Badariah Bais</i>	Session 4(B) <i>(Rebana 3)</i> <i>Chair: Assoc. Prof. Dr. Roslina Mohd Sidek</i>	Session 4(C) <i>(Rebana 4)</i> <i>Chair: Assoc. Prof. Dr. Susthitha Menon</i>
Scope	MEMS & Microsensors (III)	Circuit, VLSI & Microwave (III)	Materials & Process (II)
1400-1415	RSM2015 – 62867 Relation of Parallel Resistance to the Passive Double SAW Resonator Sim Guan Ling, Mohd Nizar Hamidon, Zainab Yunusa MALAYSIA	RSM2015 – 59843 Modeling of 14 nm Gate Length n-Type MOSFET Noor Faizah Z. A.1, I. Ahmad1, P.J.Ker1, P.S.Akmaa Roslan1, Afifah Maheran A.H MALAYSIA	RSM2015 – 35339 Effect of Harum Manis Mango as Natural Photosensitizer at Different Extracting Temperature on Performance of Dye-Sensitized Solar Cells (DSSCs) S. Suhaimi, M.M. Shahimin, S.Z.M. Siddick, M.H.C. Mat, B. Man MALAYSIA

1415-1430	RSM2015 – 56687 Characterization of CMOS-MEMS Device for Acetone Vapor Detection in Exhaled Breath A. A. S. Rabih, J. O. Dennis, M. H. Md Khir, A. Y. Ahmed, M. G. A. Ahmed MALAYSIA	RSM2015 – 59845 Statistical Optimization of Process Parameters for Threshold Voltage in 22 nm p-Type MOSFET using Taguchi Method Afifah Maheran A.H., Menon, P.S., I. Ahmad, S. Shaari, Noor Faizah Z.A. MALAYSIA	RSM2015 – 47187 Impacts of Dye Extracting Solvents and pH on the Stability of the Oxalis Triangularis as Dye Sensitizer by Time-Varying on DSSCs A.A Kamarudin, N.A. Zaidi, S. Suriati, M.M Shahimin MALAYSIA
1430-1445	RSM2015 – 89291 Fundamental References over Insole Plantar Pressure in terms of Human Body Weight Percentage O. Hussein, W.Z. Wan Hasan, A. Che Soh, H. Jafaar MALAYSIA	RSM2015 – 58115 Scaling Impact on Design Performance Metric of Sub-Micron CMOS Devices Incorporated with Halo Fazliyatul Azwa Md Rezali, Sharifah Fatmadiana Wan Muhamad Hatta, Norhayati Soin MALAYSIA	RSM2015 – 55353 Microwave Irradiation Assisted Synthesis of Silicon Carbide Nanowhiskers S.M.Kahar, C.H.Voon, C.C.Lee, U.Hashim, M. K. Md Arshad, Wei-Wen Liu, A.R. Ruslinda, B.Y.Lim, P.Y.P Adelyn, A. R. N. Huda, H. Cheun Lee, W. Rahman MALAYSIA
1445-1500	RSM2015 – 89293 Investigation On Self Energized Automated Multi levels Car Parking System Yasir Mahmood Al Kubaisi, Hasan W.Z.W., S.B. Mohd Noor, Norhafiz Azis, Ahmed H. Sabry MALAYSIA	RSM2015 – 59861 Comparison of DC and Pulse Train Analysis on Submicrometer pMOSFETs Lifetime Prediction using On-The-Fly Method I.N. Abdullah Khafita, A.F. Muhammad Alimin, S.F. Wan Muhamad Hatta, N. Soin MALAYSIA	RSM2015 – 50303 Transparent Mask Design and Fabrication of Interdigitated Electrodes P.Y.P Adelyn, U. Hashim, Y.P. Ha, M.K. Md Arshad, A.R Ruslinda, R.M. Ayub, Subash C.B. Gopinath, C.H. Voon and K.L Foo MALAYSIA
1500-1515	RSM2015 – 91857 Investigation on Developing of a Piezoresistive Pressure Sensor for Foot Plantar Measurement System Fairuz Rizal Mohamad Rashidi, Omar Hussein, Hasan W.Z.W. MALAYSIA	RSM2015 – 75207 A Study of the States Kinetics in NBTI Degradation by Two-Stage NBTI Model Implementation A. F. Muhammad Alimin, S. F. Wan Muhamad Hatta, and N. Soin MALAYSIA	RSM2015 – 55399 Wet Chemical Cleaning Effect on the formation of Ultrathin Interfacial Layer between Germanium (Ge) and High-k Dielectric Siti Kudnie Sahari, Nik Amni Fathi bt Nik Zaini Fathi, Azrul Azlan b Hamzah, Burhanuddin Yeop Majlis, Norsuzailina Mohammad Sutan, Rohana Sapawi MALAYSIA
1515-1530	BREAK AND NETWORKING		

1530-1545	RSM2015 – 91863 Power Consumption and Size Minimization of a Wireless Sensor Node in Automation System Application Ahmad H. Sabry, Hasan W.Z.W. Kadir. M.Z.A, Radzi M.A.M, Shafie.S MALAYSIA	RSM2015 – 53819 Tag for UWB Chipless RFID: A Single Antenna Approach A.K.M.Z Hossain, M.I. Ibrahimy, S.M.A. Motakabber MALAYSIA	RSM2015 – 77707 Effect of Acid Concentration and Time of Sulphate Process on Synthesizing the Titanium Dioxide from Synthetic Rutile Waste Ahmad Mukifza, Shahril Yusof, Clarence Ongkudon, Eddy Mohd Farid, Huzaikha Awang MALAYSIA
1545-1600	RSM2015 – 50877 The Design of Ultra Low Noise and Low Power Amplifier in Nanometer Technology at 2.4GHz IEEE 802.15.4 Applications Kavyashree P; Siva Yellampalli INDIA	RSM2015 – 60217 A Low Power Multiplexer Based Pass Transistor Logic Full Adder Noor Ain Kamsani, Veeraiyah Thangasamy, Muhammad Faiz Bukhori, Mohd Nizar Hamidon, Shaiful Jahari Hashim, Zubaida Yusoff MALAYSIA	RSM2015 – 62071 Printability and Structural Analysis of Yttrium Iron Garnet Thick Film with Low Firing Temperature Intan Helina Hasan, Mohd Nizar Hamidon, Ismayadi Ismail, Rosiah Osman, Saman Azhari MALAYSIA
1600-1615	RSM2015 – 47675 Design and Simulation of High Flow Rate Serial Connection Multi-Chamber Piezoelectric Micropump Erry Dwi Kurniawan, Widhya Budiawan, Mochtar Chandra TAIWAN	RSM2015 – 54483 Performance of Electrical Characteristics for HfO₂/TiSi₂ 18nm PMOS Device Norani Bte Atan, Ibrahim Bin Ahmad, Badiul Alam, Burhanuddin Yeop Majlis MALAYSIA	RSM2015 – 45341 RF Sputtered PZT Thin Film at MPB for piezoelectric power harvester devices Mohd H.S Alrashdan, Azrul Azlan Hamzah, Burhanuddin Yeop Majlis MALAYSIA
1615-1630			

END OF SESSION 4

1630-1700

Award Presentation & Closing Ceremony (*Gamelan 3*)

END OF IEEE-RSM2015

DAY 3: AUGUST 21, 2015 (FRIDAY)

0900-1200

NETWORKING