

NanoSym 2019 SYMPOSIUM SCHEDULE

DAY 1: AUGUST 21, 2019 (WEDNESDAY)

0815	Symposium Registration				
0800-1045	Opening Ceremony				
1045-1110	Break				
SESSION 1					
Session	Session 1(A) Penang Room Chair: AP Ir. Dr. Mohd Asyadi 'Azam Mohd Abid	Session 1(B) Kelantan Room Chair: Dr. Muhamad Ramdzan Buyong	Session 1(C) Perak Room Chair: AP Dr. Huda Abdullah	Session 1(D) Pahang Room Chair: AP Dr. Zainovia Lockman	Session 1(E) Johor Room Chair: AP Dr. Jumril Yunas
Theme	Energy	Wellness, Medical & Healthcare	Nanoelectronics, Nanodevices & Nanosystems	Environment	Agriculture and Food Science
1110-1130 (Invited)	INVITED NanoSym 2019 – 012 Second Generation Catalytic Pyrolysis Conversion of Palm Oil EFB Biomass to Jet Fuel Rozzeta Dolah, and Halimaton Hamdan	INVITED NanoSym 2019 – 001 Automated Smoking Machine Effahriza H, Norrima M, and Amer Siddiq AN	INVITED NanoSym 2019 – 010 Towards ultra-low power device applications utilizing graphene nanoribbons Mohd Ambri Mohamed and Burhanuddin Yeop Majlis	INVITED NanoSym 2019 – 011 Novel Polymeric Photoactivated Nanomaterials for CO₂ Photoreduction with CH₄ to Renewable Hydrocarbon Fuels Nor Aishah Saidina Amin	INVITED NanoSym 2019 – 84663 Online Monitoring of Soil Properties in Detection of Ganoderma Boninense Siti Khairuniza Bejo
1130-1145	NanoSym 2019 – 69340 Surface Orientation Effects on Graphene Growth in Chemical Vapor Deposition (CVD)	NanoSym 2019 – 56202 Optimization of nanoemulsion containing gemcitabine and their cytotoxicity evaluation	NanoSym 2019 – 63310 Raman Study on Functional Group of Carbon Nanotube in Dispersion of Organic	NanoSym 2019 – 57192 Adsorption Isotherms of Tungsten Trioxide Nanoparticles Asep Nandiyanto, Risti Ragadhita, Roer Eka	NanoSym 2019 – 53658 Effects of Artificial Night Lighting on The Loose Head Lettuce Growth in Hydroponic System

	Mohamad Shukri Sirat, Mohd Hanafi Ani, and Mohd Ambri Mohamed	towards human fetal lung fibroblast (MRC5) and human lung carcinoma (A549) cells Nadiatul Atiqah Wahgiman, Norazlinaliza Salim, Mohd Basyaruddin Abdul Rahman and Siti Efliza Ashari	Solvent as The Preparation of Conductive Nano-Ink Nur Haziqah Abd Aziz, H. Jaafar, M. N. Hamidon, S. Shafie, and R. M. Sidek	Pawinanto, Lilik Hasanah, Ida Hamidah, Ana Ana, Jumril Yunas, and Budi Mulyanti	Lai Siew Wei, H.S. Chua, Sivajothi Paramasivam, T.T.Goh, and Gee Chia Chen
1145-1200	NanoSym 2019 – 64887 Fabrication of Flexible Nanogenerator Based on 2D-Material Nanocomposite for Energy Harvesting Kong Eng Ng, Chang Fu Dee, Mohd Ambri Mohamed, and Poh Choon Ooi	NanoSym 2019 – 63073 Polysaccharides-Based Nanoparticles as Controlled Release Carriers for Drugs Suk Fun Chin, and Boon Kui Ho	NanoSym 2019 – 65212 Gas phase dynamics on inclined copper substrate of APCVD growth of graphene Fatin Bazilah Fauzi	NanoSym 2019 – 64751 Preliminary Study on Silica-Graphene Nanocomposite: Eco-friendly Nano-approach to Subside Accumulation of Arsenic in Paddy Grains M. N.A. Uda	NanoSym 2019 – 59771 In Vitro and In Vivo Evaluation of Chitosan-Fungicide Nanoparticles as a Potent Antifungal Agent for Basal Stem Rot Disease Farhatun Najat Maluin, Mohd Zobir Hussein, and Idris Abu Seman
1200-1215	NanoSym 2019 – 65250 Depth and Vacancy Profiling of the Carbon Implantation and High Energy Proton Irradiation on Silicon for the Formation of Optically Active Point-Defect G-centre N. E. A. Razak, C. F. Dee, D. D. Berhanuddin, and B. Y. Majlis	NanoSym 2019 – 65211 Development of Aerosolized Niosome Formulation Containing Gemcitabine and Cisplatin for Lung Cancer Treatment Norfatin Izzatie Mohamad Saimi, Norazlinaliza Salim, Mohd Basyaruddin Abdul Rahman, and Noraini Ahmad	NanoSym 2019 – 65287 Effect of operating parameter on electrophoretic deposition of carbon nanotube based thermal interface materials Raihana Bahru, Mohd Ambri Mohamed, and Abdul Rahman Mohamed	NanoSym 2019 – 65062 Identification of Leptospira in Water by Fe-Pd Doped Polyaniline (PANI) Nanocomposite Thin Film Jamal Jurait, Huda Binti Abdullah, Siti Khairani Bejo, and Brian Yulianto	NanoSym 2019 – 64706 The Potential of Hexaconazole Micelle as Fungicide Nanoemulsion in Controlling Basal Stem Rot Disease I. F. Mustafa, M.Z. Hussein, S. Fakurazi, A.S. Idris, and N. H. Z. Hilmi
1215-1230	NanoSym 2019 – 66330 Substrate Placement Inside CVD Tube for Graphene Production Naqib Osman	NanoSym 2019 – 65572 Nanomaterials Mediated siRNA Delivery System for Gene Therapy in Lung Cancer Nur Khalida Rahayu Zainon, Che Azurahaman Che Abdullah, Mohd Basyaruddin Abdul Rahman, and Mas Masarudin	NanoSym 2019 – 65413 Characterization of ZnO Doped Ag Synthesized by Low-Temperature Aqueous Chemical Bath Method Hammam Abdurabu Thabit, Norlaili Kabir, and Naser Ahmed	NanoSym 2019 – 67707 Biochar Produce via Liquid Hot Water (LHW) Pretreatment and Pyrolysis for CO₂ Adsorption at Low Temperature Nurul Azrin Zubbri, and Abdul Rahman Mohamed	NanoSym 2019 – 80194 Nano-Sized Tapioca Starch-Based Nano-Biocomposites in Agriculture Application Nur Athirah Huzaisham, and Noraini Marsi

1230-1235	Certificate	Certificate	Certificate	Certificate	certificate
1235-1400	Lunch				

PLENARY & KEYNOTE SESSION

1400-1440	Plenary Speaker 1 Prof. Dr. Jeremy Woods Imperial College London Title: The Role of Land Use and Land Use Change in A Dangerously Warming Planet				
1440-1500	Keynote 1 Speaker: Prof Dr. Noor Hayaty Binti Abu Kasim Universiti Malaya Title: Nano-Aerosol Technology for the Diagnosis and Treatment of Smoking-related Diseases				
1500-1520	Keynote 2 Speaker: Prof. Dr. Abdul Rahman Mohamed Universiti Sains Malaysia Title: Green Technology and Nanomaterial Applications for The Mitigation of Greenhouse Gases (GHGs)				
1520-1540	Technical Talk Speaker: Mr. Alex Wong Title: Latest EDX &EBSD Technologies in Nano Material Research				
1540-1600	Break				

SESSION 2

Session	Session 2(A) Penang Room Chair: AP Dr. Jumril Yunas	Session 2(B) Kelantan Room Chair: Dr. Tengku Hasnan Tengku Aziz	Session 2(C) Perak Room Chair: AP Dr. Hanafi Ani	Session 2(D) Pahang Room Chair: AP Dr. Dee Chang Fu	Session 2(E) Johor Room Chair: Dr. Sathiabama A/P T. Thirugnana
Theme	Energy	Wellness, Medical & Healthcare	Nanoelectronics, Nanodevices & Nanosystems	Environment	Agriculture and Food Science

1600-1620 (Invited)	<p>INVITED NanoSym 2019 - 002</p> <p>Low Magnetic-Field-Induced Aligned Polybenzimidazole Microstructures for Proton Exchange Membrane Fuel Cell Nor Arbani Sean, Haryani Mohd Yatim, Wai Loon Leaw, and Hadi Nur</p>	<p>INVITED NanoSym 2019 – 006</p> <p>Toxicity of Oxide Nanoparticles on Hatching and Survival Rates of Artemia Salina* CA Che Azurahaman, EL Albert, Mohd. Basyaruddin Abd. Rahman</p>	<p>INVITED NanoSym 2019 -</p> <p>Nano Lab-on-Chip Fabrication for Nanosensing and Control of Ganoderma Boninense Prof. Dr. Uda Hashim</p>	<p>INVITED NanoSym 2019 - 69234</p> <p>Dynamic insights into the role of nitrogen vacancies in boosting CO2 photoreduction activity of g-C3N4: experimental and computational studies Jie-Yinn Tang, Chen-Chen Er, Xin Ying Kong, Boon-Junn Ng, Yi-Hao Chew, Abdul Rahman Mohamed, and Siang-Piao Chai</p>	<p>INVITED NanoSym 2019 - 005</p> <p>Agronofungicides for Oil Palm Basal Stem Rot Disease Management Mohd. Zobir Hussein</p>
1620-1635	<p>NanoSym 2019 – 67241</p> <p>Graphene on Polymer for Variable MEMS Capacitor Norliana Yusof, Badariah Bais, Norhayati Soin, Jumril Yunas, and Burhanuddin Yeop Majlis</p>	<p>NanoSym 2019 – 68066</p> <p>Analysis of Electrical DNA Biosensor for Human Papillomavirus (HPV) Strain 18 Detection in Synthetic and Saliva Samples Nor Azizah Parmin, and Amirul Akhir</p>	<p>NanoSym 2019 – 66268</p> <p>Varied Layer Thickness Controlled Improved Structural Properties of YSZ Thin Film Nur Fathirah Mohd Rahimi</p>	<p>NanoSym 2019 – 67799</p> <p>Highly Sensitive pH Sensors Enabled by Interdigitated Electrode (IDE) with Gold Nanoparticles (AuNP) Doped Sensing Membrane V. Thivina, U. Hashim, 'A. Ayoib, and N. K. S. Nordin</p>	<p>NanoSym 2019 – 83863</p> <p>The Role of Positively Charge Poly-L-Lysine in the Formation of High Yield Gold Nanoplates on the Surface Marlia Morsin, Nur Liyana Razali, Suratun Nafisah, Akrajas Ali Umar, Nur Anida Jumadi, and Farhanahani Mahmud</p>
1635–1650	<p>NanoSym 2019 – 67267</p> <p>Composite Paper Based Disposable Electrode for Next Generation Flexible Devices Ateeq-ur-Rehman, Amir Razaq, and Naina Malik</p>	<p>NanoSym 2019 – 72597</p> <p>Lab-on-a-chip Dielectrophoresis Microelectrodes Muhamad Ramdzan Buyong, Farahdiana Yunus, Muhammad Izzuddin Abd Samad, Muhammad Khairulanwar Abdul Rahim, Nur Mas Ayu Jamaludin, Ahmad Ghadafi Ismail, Azrul A Hamzah, and Burhanuddin Majlis</p>	<p>NanoSym 2019 – 67351</p> <p>Semiconductor Devices Lifetime Prediction Methodology for Hot Carrier Injection Tests Faizah Abu Bakar, Norshahida Ismail, and Lau Yew Huang</p>	<p>NanoSym 2019 – 68567</p> <p>Growth Region Analysis of Carbon Nanotubes Synthesis in Flame with Water Additives Norikhwan Hamzah, and Mohd Fairus Mohd Yasin</p>	<p>NanoSym 2019 – 69615</p> <p>Formulation of Red Ginger Extract Nanoemulsion with Water Titration Applied on Chronic Kidney Disease Rats Nada Hanifah, Yusuf Achmad, Aida Humaira, and Siti Salasia</p>

1650-1705	NanoSym 2019 – 67639 Sol Gel Synthesis of In2O3/ZrO2 for CO2 Hydrogenation to Methanol: The Significant Effect of Gelling Agent M. Md Zain, and A.R. Mohamed	NanoSym 2019 – 74878 Photonic Crystal Cavity's Compact Model Creation and the Design of Tunable Sensing Circuit, a Photonic Integrated Circuit (PIC) Design Approach Mohd Hazwan Haron, Dilla Duryha, Burhanuddin Yeop Majlis, and Ahmad Rifqi Md Zain	NanoSym 2019 – 67629 Fabrication of 110 Silicon Nanowire Oriented with Direct Band Gap Tijjani Adam	NanoSym 2019 – 73803 TiO2/B2O3 Thick Film Gas Sensor for Monitoring Carbon Monoxide Siti Amaniah Mohd Chachuli	NanoSym 2019 – 84795 Development of Aluminium Interdigitated Electrode (IDE) Based Biosensor for E. coli 0157:H7 Detection M.N. Afnan Uda, Asral Bahari Jambek, Uda Hashim, M.N.A.Uda, N.A. Parmin and V. Thivina
1705-1710	Certificate	Certificate	Certificate	Certificate	Certificate

END OF SESSION 2

DAY 2: AUGUST 22, 2019 (THURSDAY)

0900-0940	Plenary 2 Speaker: Mdm Lihong (Wendy) Duan Massachusetts Institute of Technology, Cambridge Title: Integrating Asian Innovation with MIT's energy Research
0940-1000	Keynote 3 Speaker: Prof. Datuk Dr. Halimatun Hamdan Universiti Teknologi Malaysia Title: Nanotechnology Enabled Efficient Generation of Renewable Energy (Nano-RE)
1000-1020	Keynote 4 Speaker: Prof. Dr. Nor Azah Yusof Universiti Putra Malaysia Title: Nanotechnology in the Detection and Control of Ganoderma Boninense
1020-1040	Break
SESSION 3	

Session	Session 3(A) Penang Room Chair: AP Dr. Zainovia Lockman	Session 3(B) Kelantan Room Chair: Dr. Rozzeta Dolah	Session 3(C) Perak Room Chair: AP Dr. Ahmad Rifqi Md Zain	Session 3(D) Pahang Room Chair: AP Dr Mohd Yusri Abd Rahman	Session 3(E) Johor Room Chair: Prof. Dr. Mohamad Rusop Mahmood
Theme	Energy	Wellness, Medical & Healthcare	Nanoelectronics, Nanodevices & Nanosystems	Environment	Agriculture and Food Science
1040-1100 (Invited)	INVITED NanoSym 2019 – 58424 Graphene-based Composite Electrodes for Organic Light Emitting Devices Tengku Hasnan Tengku Aziz	INVITED NanoSym 2019 – 84390 Preparation, Characterization, In vitro and In vivo Study of poly-ε-caprolactone nanoparticles formulation for lung cancer treatment Faisalina Ahmad Fisol, and Habibah Abd. Wahab	INVITED NanoSym 2019 – 008 Direct synthesis of large area graphene for NEMS applications Mohd Hanafi Ani	INVITED NanoSym 2019 – 87181 Synthesis of g-C₃N₄/Montmorillonite Nanocomposite for Enhanced Photocatalytic Reduction of CO₂ to Fuels Under Visible Light Muhammad Tahir	INVITED NanoSym 2019 – 83959 Discrimination of Healthy and G. Boninense Infected Oil Palm Seedlings Using Prototype of Portable Electronic Nose Device Nor Azah Yusof, Ammar Zakaria, Jaafar Abdullah, Nor Ain Shahera Khairi, and Nalisha Ithnin
1100-1115	NanoSym 2019 – 79343 Electrospinning method to produce membrane electrolyte for Dye Sensitized Solar Cell Application Kamilah Ramly, Norani Muti Mohamed, and Fai Kait Chong	NanoSym 2019 – 72608 Applications of Plasma Technologies in Biomaterials from Selected Patents Filed in Last 20 years KS Siow	NanoSym 2019 – 68077 The Production of Graphene Oxide Via Electrochemical Exfoliation and Its Application as Conductive Electrodes M.D. Nurhafizaha, and A.B. Surianib A. Mohamedc	NanoSym 2019 – 75966 Effect of ZnO Nanoparticles coating on quality and shelf life of Mangifera indica N.F.Rosman, S.Abdullah, M.Rusop, and N.A.Asli	NanoSym 2019 – 75544 Deposition Of Graphene Oxide Thin Film For Field-Effect Transistor Biosensing Application Azrul Syafiq Zainol Abidin, and Ruslinda Abdul Rahim
1115-1130	NanoSym 2019 – 68122 Effects of Mo Vapor Concentration on the Morphology of Vertically Standing MoS₂ Nanoflakes Muhammad Hilmi Johari, Mohd Ambri Mohamed, and Abdul Rahman Mohmad	NanoSym 2019 – 76069 Fabrication of Electrolyte Gate Nanocrystalline Diamond Based Field Effect Transistor (NCD-EGFET) for HIV-1 Tat Protein Detection.	NanoSym 2019 – 68371 Super Growth of Highly Crystalline Zinc Oxide Nanorods Synthesized by Hydrothermal Method Siti Shafura A Karim, Mohd Ambri Mohamed, and Chang Fu Dee	NanoSym 2019 – 80188 Self-Cleaning Nanocoating as Water Repellent on Partition Panel Application Muhammad Haikal Mohd Fodzi, and Noraini Marsi	NanoSym 2019 – 74065 Formation of Gold Bone Nanorods shape using Copper (Cu) as Foreign Metal Ion Nurul Alia Fatin Redzoan, Marlia Morsin, Suratun Nafisah, Nur Liyana Razali,

		A. Nurul Atiqah, A. R. Ruslinda, I. Nur Syakimah, and B. Rezek			Farhanahani Mahmud, and Nur Zehan An nisa Md Shah
1130-1145	<p>NanoSym 2019 – 79314</p> <p>Performance of DSC Based on Polymer Electrolyte of Extracted Aloe Vera Gel Blending with Carboxymethyl-Cellulose (CMC) Nur Aminaton Sufia Yuharmon, Norani Muti Mohamed, Fai Kait Chong, and Kuan Yew Cheong</p>	<p>NanoSym 2019 – 73899</p> <p>In Silico Conformational Aptamer Development By Design (ICADD) Against Streptococcus Agalactiae Surface Protein & Its Application As An Aptasensor Samson Soon, Mun Kok Tang, and Nor Aina Nordin</p>	<p>NanoSym 2019 – 69151</p> <p>110 Silicon Nanowire Oriented with Direct Band Gap Uda Hashim</p>	<p>NanoSym 2019 – 80197</p> <p>Aqueous Emulsion C6-Fluorocarbon as Nano Coating for Textile Dyed Cotton Fabric Rupashinii Thana Singam, and Noraini Marsi</p>	<p>NanoSym 2019 – 74074</p> <p>Design and Fabrication of Uniform Pores for Silicon Based Planar Microfiltration System Kamarul 'Asyikin Mustafa, Burhanuddin Yeop Majlis, Jumril Yunas, Nur Aliyah Alwani Mohd Nazam and Azrul Azlan Hamzah</p>
1145-1200	<p>NanoSym 2019 – 69367</p> <p>A Combined Experimental and Theoretical Study of Carbon-Doped TiO₂ Structure for Photoreduction of Carbon Dioxide to Methanol Nur Umisyuhada Mohd Nor</p>	<p>NanoSym 2019 – 74006</p> <p>Determining ZnO Nanofilm effect on Bimetallic SPR Biosensing Signal using Taguchi Method Gan Siew Mei, Najmiah Radiah Mohamad, Nur Akmar Jamil, and P. Susthitha Menon</p>	<p>NanoSym 2019 – 69716</p> <p>Uniform Monolayer Carbon Nanotube Thin Film by Spray Pyrolysis Technique Muhamad Azuddin Hassan</p>	<p>NanoSym 2019 – 84023</p> <p>The Influence of Vaporization Temperature to the Graphene Layer Synthesized from Waste Engine Oil by Thermal Chemical Vapor Deposition Nurul Afaah Abdullah</p>	<p>NanoSym 2019 – 74822</p> <p>Synthesis and Magnetic Characterizations of Bismuth Doped Zinc Oxide Nanowires Syed Jamal Ahmed Kazmi, Mohd Farhanulhakim Mohd Razip Wee, and Mohd Ambri Mohamed</p>
1200-1215	<p>NanoSym 2019 – 73813</p> <p>Modelling and Experiment of Dye-Sensitized Solar Cells with In₂O₃-SWCNTs as a Photoanode Izamarlina Asshaari</p>	<p>NanoSym 2019 – 74051</p> <p>Utilization of Tapered Dielectrophoresis Microelectrode for Rapid Red Blood Cells Isolation Muhammad Izzuddin Abd Samad, Azrul A Hamzah, Burhanuddin Yeop Majlis, and Muhamad Ramdzan Buyong</p>	<p>NanoSym 2019 – 72260</p> <p>Synthesis and Characterization of Few-Layer Graphene Grown by Open Flame Deposition Technique Edhuan Ismail, Fatin Bazilah Fauzi, Mohd Ambri Mohamed, Mohd Asyadi 'Azam bin Mohd Abid, Mohd Hanafi Ani, Ahmad Faris Ismail, Suhaimi Bin Illias, Abd. Malek Abdul Hamid, and Hadi Purwanto</p>	<p>NanoSym 2019 – 85079</p> <p>Association of Nicotine Dependence and Biochemical Measures in Adolescent Smokers Nawwal Alwani Mohd Radzi</p>	<p>NanoSym 2019 – 74926</p> <p>Kretschmann-based SPR Sensor with Graphene Layer Nur Akmar Jamil, P. Susthitha Menon, Sahbudin Shaari, Burhanuddin Yeop Majlis, Gan Siew Mei, Ahmad Rifqi Md Zain, Daniel Hewak and Chung-Che Huang</p>

1215 - 1230	NanoSym 2019 – 74049 Conversion of Bio-Jet Fuel Range Hydrocarbons from Palm Oil over Zeolite Hybrid Catalyst Norsahika Mohd Basir	NanoSym 2019 – 74479 Mechanical Strength Enhancement of Titanium Dioxide (TiO₂) Coated Porous Nanocrystalline-Silicon (pnc-Si) Membrane Muhammad Fahmi Jaafar, Rhonira Latif, Mohd Faizal Aziz, and Burhanuddin Yeop Majlis	NanoSym 2019 – 72977 Dynamic Characteristics of Electromagnetic Microactuator Incorporating Micropillar on Flexible Membrane R.E. Pawinanto, S.N. Sabili, and A.M. Hashim	NanoSym 2019 – 015 Post-Annealing Effects on Graphitic Carbon Nitride, (g-C₃N₄) Tin Film by the Dispersion Method Nurul Aida Mohamed and Mohd Asri Mat Teridi	NanoSym 2019 – 74948 Rapid Fabrication Of PMMA-Based Microfluidic Chip Using Micromilling Method For Micro/Nanoparticle Detection Muhammad Syafiq Rahim, and Abang Annuar Ehsan
1230-1235	certificate	certificate	certificate	certificate	certificate

END OF SESSION 3

1235-1400

Lunch

SESSION 4

Session	Session 4(A) Penang Room Chair: AP Dr. Ahmad Rifqi	Session 4(B) Kelantan Room Chair: Dr. Meor Yusof Meor Sulaiman	Session 4(C) Perak Room Chair: AP Dr. Dee Chang Fu	Session 4(D) Pahang Room Chair: Prof. Dr. Mohamad Rusop Mahmood	Session 4(E) Johor Room Chair: AP Dr. Huda Abdullah
Theme	Energy	Wellness, Medical & Healthcare	Nanoelectronics, Nanodevices & Nanosystems	Environment	Agriculture and Food Science
1400-1420 (Invited)	INVITED NanoSym 2019 – 014 Flexible dye-sensitized solar cells (DSSCs): printed solar cells for an economically viable, clean renewable energy Norani Muti Mohamed	INVITED NanoSym 2019 – 013 Pulmonary Delivery Strategies of Nanocarrier of Therapeutics Wong Tin Wui	INVITED NanoSym 2019 – 009 Carbon Based Ultra Conductor Mohd Nizar Hamidon	INVITED NanoSym 2019 – Developing a Modular Platform for the Enhanced Therapeutic Delivery of Hydrophobic and Hydrophilic Compounds via Polymeric Chitosan Nanoparticle Systems for Pharmaceutical Applications M. J. Masarudin, N. B. Mohd Alitheen, and M. B. Abdul Rahman	INVITED NanoSym 2019 – 84987 Development of Fiber Optic pH (Power of Hydrogen) Sensors Using PMMA Multimode Optical Fiber Budi Mulyanti, Rizki Dwi Purnomo, Arjuni Pantjawati, Lilik Hasanah, Asep Nandiyanto, Roer Eka Pawinanto, and Gandhi Sugandi

1420-1435	<p>NanoSym 2019 – 79188</p> <p>Photoelectrode Film based on Composite Nanoparticles/Core-Shell Structures with Superior Photocurrent and Light Scattering in Dye-sensitized Solar Cell Siti Nur Azella Zaine, Norani Muti Mohamed, Mehboob Khatani, Adel Eskandar Samsudin and Muhamad Umair Saheed</p>	<p>NanoSym 2019 – 74814</p> <p>Dielectrophoresis Analytical Characterization for Detection and Manipulation of Exosomes Nur Mas Ayu Jamaludin, Azrul A Hamzah, Nadiah Abu, Burhanuddin Majlis, and Muhamad Ramdzan Buyong</p>	<p>NanoSym 2019 – 73554</p> <p>Investigation on Bottom-up Approach by Controlling the Process Parameters of Gold Nanoparticles Nur Liyana Razali, Marlia Morsin, Nur Zehan An nisa Md Shah, Suratun Nafisah, and Farhanahani Mahmud</p>	<p>NanoSym 2019 – 75190</p> <p>The Numerical Analysis of Photonic Crystal Nanocavities Waveguide Based on SOI for Sensor Application Using FDTD Method Jamilah Husna</p>	<p>NanoSym 2019 – 85080</p> <p>Structural, Optical, Electrical and Humidity Sensing Properties of Heat-treated NiO Thin Films Norfarariyanti Binti Parimon, and Mohamad Hafiz Mamat</p>
1435-1450	<p>NanoSym 2019 – 74245</p> <p>Conversion of Empty Fruit Bunch Biomass Using Catalytic Fast-Pyrolysis Process for the Production of Bio-Oil and Jet Bio-Fuel Haryanti Yahaya, and Rozzeta Dolah</p>	<p>NanoSym 2019 – 75254</p> <p>Effects of different surface coating on silver nanoparticles (AgNP) antibacterial activity Chai Ying S, and Yazmin B</p>	<p>NanoSym 2019 – 73757</p> <p>Feasibility Study on Microwave Welding of Thermoplastic using Multiwalled Carbon Nanotubes as Susceptor P. Y. Foong, C. H. Voon, B. Y. Lim, M. K. Md Arshad, Subash C. B. Gopinath, K. L. Foo, A. R. Ruslinda, and U. Hashim</p>	<p>NanoSym 2019 – 84009</p> <p>Highly Conductive Titanium Dioxide Nanotube Arrays Prepared Via Simple Single-Step Anodization N.E.A. Azhar, S.S. Shariffudin, S. Munirah, R. Abdul Rani, M.J. Salifairus, A. Shuhaimi, and M. Rusop</p>	<p>NanoSym 2019 – 003</p> <p>Fabrication of Flexible Piezoelectric Nanogenerator Device Using Nanocomposite of Graphene Quantum Dots and Molybdenum Disulfide in Polyvinylidene Fluoride Polymer Matrix Fatin Umaidah Ramli, Ng Kong Eng, Nur Idayu Ayob and Mohd Ambri Mohamed</p>
1450-1505	<p>NanoSym 2019 – 75555</p> <p>Promoting Dry Reforming of CH₄ via Bifunctional NiO/Dolomite Catalysts for Production of Hydrogen Rich Syngas Mohd Razali Shamsuddin</p>	<p>NanoSym 2019 – 84893</p> <p>Development of a Prototype for Smoking Initiation Prevention App Suhaila Azhar</p>	<p>NanoSym 2019 – 73772</p> <p>The Effect of Sintering Temperature and Synthesis Method on Raman Spectra and Magnetic Properties of Manganese Zinc Ferrite Poppy Puspitasari</p>	<p>NanoSym 2019 – 84017</p> <p>The Role of Deposition Temperature on Structural Growth of WS₂ Nanosheet Nurul Ain Abd Malek</p>	<p>NanoSym 2019 – 73998</p> <p>Multi-response Optimization of Gold SPR Sensor Based on FDTD Simulation using Taguchi Method Najmiah Mohamad, Gan Siew Mei, P. Susthitha Menon, Nur Akmar Jamil, Kalaivani Tarumaraja, and Azrul A Hamzah</p>

1505-1520	<p>NanoSym 2019 – 75568</p> <p>Synthesis and Characterization of Graphene Aerogel Via Hydrothermal and Freezing Approach for Fuel Cell Purpose Hasanah Osman, Sahriah Basri, Kartom Kamarudin, and Nabila Karim</p>	<p>NanoSym 2019 – 72979</p> <p>Detection of Enterobacter Aerogenes Using Dielectrophoresis Microelectrode Muhammad Khairulanwar Abdul Rahim, Azrul A Hamzah, Jacinta Santhanam, Burhanuddin Majlis, and Muhamad Ramdzan Buyong</p>	<p>NanoSym 2019 – 73821</p> <p>Graphene-PMMA Diaphragm Deflection Analysis for Acoustic Sensor Haslinawati Mohd Mustapha, Azrul Azlan Hamzah, M.F Mohd Razip Wee, Ahmad Rifqi Md. Zain, and Mohd Ambri Mohamed</p>	<p>NanoSym 2019 – 004</p> <p>Development of synthetic zeolites from bio-slag for cesium adsorption: kinetic, isotherm and thermodynamic studies Shahjalal Khandaker, Yusaku Toyohara, and Takahiro Kuba</p>	<p>NanoSym 2019 – 005</p> <p>Flexible graphene/PANI counter electrode for dye-sensitized solar cells Muhammad Umair Shahid, Norani Muti Mohamed, Ali Samer Muhsan, Chong Fai Kait, Balbir Singh Mahinder Singh, and Siti Nur Azella</p>
1520-1535	<p>NanoSym 2019 – 76976</p> <p>Deposition Time Dependent Growth Evolution of Magnetron Sputtered YSZ Thin Film: A Good Candidate for SOFC Rosnita Muhammad Muhammad, Sib Ghoshal, Nurhamizah Ahmad Rusli, and Nur Hadi</p>	<p>NanoSym 2019 – 77720</p> <p>A Novel Inhaled Docetaxel for Treatment of Lung Cancer Siti Aishah Binti Abdul Razak</p>	<p>NanoSym 2019 - 73961</p> <p>Simulation of Deformation for Peristaltic MEMS Electromagnetic Micropump Ayub Subandi</p>	<p>NanoSym 2019 – 84753</p> <p>Highly Sensitive pH Sensors Enabled by Interdigitated Electrode (IDE) with Gold Nanoparticles (AuNP) Doped Sensing Membrane Thivina Vijayakumaran, Uda Hashim, Adilah Ayoib, Nur Khairun Syahirah Nordin. M. N.A. Uda, and Muhammad Nur Afnan Bin Uda</p>	<p>NanoSym2019 – 86383</p> <p>Effect of Pandanus Amaryllifolius as Green Stabilizer to the Growth of ZnO Nanostructures Rabiatuladawiyah Md Akhir, Mohamad Rusop, and Zuraida Khusaimi</p>
1535-1540	certificate	certificate	certificate	certificate	certificate
END OF SESSION 4					
1540-1600	BREAK AND NETWORKING				
1600-1630	<p>Keynote 5 Speaker: Prof. Dato' Dr. Burhanuddin Yeop Majlis Universiti Kebangsaan Malaysia Title: Graphene-Enabled Devices for Tiny Electronics</p>				
1630 - 1700	Closing ceremony				
END OF NANOSYM 2019					

