



## Master Program

**Venue: IRAMA 6 7 8, The Everly, Putrajaya**

### Opening Ceremony, 15 August 2018

0800 - 0900	Registration
0900 - 0910	Arrival of VIP and Guests
0910 - 0925	National Anthem of Malaysia, Negaraku Putra Gemilang Song Doa recital
0925 - 0930	Welcoming address by <i>i-SAMN</i> 2018 Chairman Assoc. Prof. Dr. Suraya Abdul Rashid
0930 - 0940	Officiating speech by Deputy Vice Chancellor, Universiti Putra Malaysia Y. Bhg. Prof. Dr. Zulkifli Idrus
0940 - 0945	Photography Session
0945 - 1000	Morning break

### Day 1, 15 August 2018

	Chairperson of Session: Prof. Dr. Mehmet Ertugrul
1000 - 1100	Keynote Address I by Prof. Dr. Endo Morinobu Shinshu University, Japan
1100 - 1300	Parallel Session I Parallel Session II
1300 - 1400	Lunch
	Chairperson of Session: Assoc. Prof. Dr. Abdul Halim Abdullah
1400 - 1430	Plenary Speaker I: Prof. Dr. Abdul Rahman Mohamed Universiti Sains Malaysia (USM)
1430 - 1500	Plenary Speaker II: Prof. Dr. Yousheng Tao Chinese Academy of Sciences, China
1500 - 1645	Parallel Session III Parallel Session IV
1645- 1715	Refreshments



## Master Program

### Day 2, 16 August 2018

Chairperson of Session: Assoc. Prof. Dr. Janet Lim Hong Ngee

0900 - 0945 Keynote Address II by Prof. Dr. Noorhana Yahya  
Universiti Teknologi Petronas (UTP), Malaysia

0945 - 1000 Morning break

1000 - 1030 Plenary Speaker III: Prof. Dr. Shaobin Wang  
Curtin University, Australia

1030 - 1100 Plenary Speaker IV: Prof. Dr. Ishak Ahmad  
Universiti Kebangsaan Malaysia (UKM)

1100 - 1245 Parallel Session V  
Parallel Session VI

1245 - 1400 Lunch

1400 - 1630 Parallel Session VII  
Parallel Session VIII

1630 - 1700 Closing ceremony  
Lucky Draw  
Best Presenter Awards  
Closing speech by *i*-SAMN 2018 Chairman  
Certificates Distribution  
Refreshments



## Parallel Sessions Program

**Day 1, 15 August 2018 | Venue: IRAMA 6 7 8, The Everly, Putrajaya**

### Parallel Session I

**Topic : Materials from Green Sources**

**Chairperson of Session: Dr. Umer Rashid**

- 1100 - 1120 Invited paper: A facile method for preparing TiO<sub>2</sub> hollow spheres  
*Matthana Khangkhamano, Prince of Songkla University (PSU), Thailand*
- 1120 - 1140 Invited paper: Oil Palm Biomass as a Resource for Sustainable Production of Cellulose Nanofiber  
*Hidayah Arifin, Universiti Putra Malaysia (UPM)*
- 1140 - 1200 A Facile Hydrothermal Method for the Preparation of Carbon Dots from Empty Fruit Bunch Biochar  
*Norhanisah Jamaludin, Universiti Putra Malaysia (UPM)*
- 1200 - 1220 Coconut Husk as Potential Source for Silica Production  
*Fahmi Anuar, Universiti Putra Malaysia (UPM)*
- 1220 - 1240 Comprehensive Study on Structural Properties of Zn<sub>2</sub>SiO<sub>4</sub> Glass Formation Derived from Waste Rice Husks  
*Rahayu Emilia Mohamed Khaidir, Universiti Putra Malaysia (UPM)*
- 1240 - 1300 Synthesis of metal organic framework (MOF-199) coated with cellulose nanocrystal  
*Ferial Ghaemi, Universiti Putra Malaysia (UPM)*

### Parallel Session III

**Topic : Nanomaterials for Energy Storage**

**Chairperson of Session: Dr. Dayang Radiah Awang Biak**

- 1500 - 1520 Invited paper: Exploring 2D Materials for Novel Applications from First-Principles  
*Oguz Gulseren, Bilkent University, Turkey*
- 1520 - 1540 Synthesis and comparison of various metal oxide electrode materials for supercapacitors  
*Mehmet Ertugrul, Ataturk University, Turkey*
- 1540 - 1600 Facile synthesis of Co<sub>3</sub>O<sub>4</sub> nanowires on nickel foam for supercapacitors electrodes  
*Mehmet Ertugrul, Ataturk University, Turkey*
- 1600 - 1620 Electrochemical Performances of Flexible Solid-State Fibre Supercapacitor based on Polypyrrole/ Reduced Graphene Oxide  
*Hamra Assyaima Abdul Bashid, Universiti Putra Malaysia (UPM)*
- 1620 - 1640 Mesoporous carbon film via spin coating soft templating method for supercapacitor electrode  
*Mahanim Sarif @ Mohd Ali, Universiti Putra Malaysia (UPM)*



## Parallel Sessions Program

**Day 1, 15 August 2018 | Venue: IRAMA 5, The Everly, Putrajaya**

### Parallel Session II

**Topic : Micro. and Nanoelectronics**

**Chairperson of Session: Assoc. Prof. Dr. Suhaidi Shafie**

- 1100 - 1120 Invited paper: Study on Geometrical Variation Effects to the Performance of Silicon Split Gate Flash Memory with Tapered Floating Gate Structure  
*Muhammad Amin Sulthoni, Institute of Technology, Bandung, Indonesia.*
- 1120 - 1140 Invited paper: Silicon Nanowires Based Photodetector  
*Akhmadi Surawijaya, Institute of Technology, Ganesha 10, Bandung, Indonesia.*
- 1140 - 1200 Motorcycle Image Analysis with Nanoelectronics Platform  
*Mohd Ali Mat Nong, Universiti Putra Malaysia (UPM)*
- 1200 - 1220 Enhancement of Piezoelectric Coefficient ( $d_{33}$ ) towards Rice Husk Silica Ceramics with BaTiO<sub>3</sub> Addition  
*Rosiah Osman, Universiti Putra Malaysia (UPM)*
- 1220 - 1240 Synthesis of Carbon Nanotube from Waste Cooking Oil Catalysed by Mill Scale Waste for Development of Flexible Microstrip Patch Antenna  
*Ismayadi Ismail, Universiti Putra Malaysia (UPM)*
- 1240 - 1300 Fabrications of Hybrid Zinc Oxide Nanorods –Carbon Nanotubes Cotton  
*Juraina Md Yusof, Universiti Putra Malaysia (UPM)*

### Parallel Session IV

**Topic : Nanodelivery, Nanosensors & Biosensors**

**Chairperson of Session: Dr. Mohd Nazim Mohtar**

- 1500 - 1520 Targeted delivery of doxorubicin-loaded cockle shell-derived CaCO<sub>3</sub> aragonite nanoparticles on dog bearing tumour  
*Abubakar Danmaigoro, Universiti Putra Malaysia (UPM)*
- 1520 - 1540 The Phytotoxicity Effect of Fungicide-Zinc/Aluminium-Layered Double Hydroxide Nanocomposite on Germinated Palm Oil Seeds  
*Isshadiba Faikah Mustafa, Universiti Putra Malaysia (UPM)*
- 1540 - 1600 Development of Cadmium Sulfide Quantum Dots-Polyamidoamine Dendrimer Thin Films for Detection of Dengue Virus E-protein Antigens  
*Nur Alia Sheh Omar, Universiti Putra Malaysia (UPM)*
- 1600 - 1620 A Sandwich Electrochemical Immunosensor for Early Detection of Tuberculosis Based on Graphene/Polyaniline-Modified SPGE.  
*Umi Zulaikha Mohd Azmi, Universiti Putra Malaysia (UPM)*
- 1620 - 1640 Lateral Flow Immunoassay For Ultrasensitive and Naked Eye Detection of Tuberculosis  
*Nazifah Ariffin, Universiti Putra Malaysia (UPM)*



## Parallel Sessions Program

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### Parallel Session V

**Topic : Processing and Applications of Green Materials**

**Chairperson of Session: Dr. Che Azurahanim Che Abdullah**

- 1100 - 1120 Invited paper: Production and characterization of biodiesel from Tamarind seed oil  
*Muhammad Asif Hanif, University of Agriculture, Pakistan*
- 1120 - 1140 Effect of Firing Temperature to Surface Morphology of Nanosized YIG Based Thick Film with Linseed Oil as Organic Vehicle  
*Intan Helina Hassan, Universiti Putra Malaysia (UPM)*
- 1140 - 1200 Separation of palm mesocarp fiber and nut by air classifier using air disturbance system  
*Ahmad Hafizuddin Zakaria, Universiti Putra Malaysia (UPM)*
- 1200 - 1220 Blunt Trauma Performance of Green Natural Rubber Composites  
*Mazliah Mazlan, Universiti Teknikal Malaysia (UTeM)*
- 1220 - 1240 Shape-stabilized phase change material preparation for Thermal Energy Storage Application  
*Ahmad Fariz Nicholas, Universiti Putra Malaysia (UPM)*

### Parallel Session VII

**Topic : Properties and behaviour of Nanomaterials Chairperson of Session: Dr. Siti Hajar Othman**

- 1400 - 1420 Invited paper: Versatile Water Soluble Graphene Nanoplatelets for Water-Based Polymers  
*Lim Hong Ngee, Universiti Putra Malaysia (UPM)*
- 1420 - 1440 Effect of Morphology of MWCNT on Stability Enhancement of Nanofluids by using PVA Surfactant  
*Saba Rashidi, Universiti Putra Malaysia (UPM)*
- 1440 - 1500 Effect of Initial Concentration of Chitosan on the Particle Size of Chitosan Nanoparticle  
*Ruzanna Ahmad Shapi'i, Universiti Putra Malaysia (UPM)*
- 1500 - 1520 Study on Bioactivity of Hydroxyapatite/Montmorillonite Clay Nanocomposite  
*Rosnah Nawang, Universiti Putra Malaysia (UPM)*
- 1520 - 1540 Kinetics of Magnetite Nanoparticles Formation in a Co-precipitation Process Using Avrami Model  
*Ahmad Fadli, Riau University, Indonesia*
- 1540 - 1600 Investigation of the effect of PH environment on the properties of magnetite nanoparticles used in Nano drug delivery production prepared by co-precipitation method  
*Mona Ebadi, Universiti Putra Malaysia (UPM)*
- 1600 - 1620 Low Energy Electron Microscopy Study of Tiered 'Wedding-cake' Island Formation of Bi-layer Graphene by using Chemical Vapor Deposition Technique  
*Syed Muhammad Hafiz Bin Syed Mohd Jaafar, Universiti Putra Malaysia (UPM)*



## Parallel Sessions Program

**Day 2, 16 August 2018 | Venue: IRAMA 5, The Everly, Putrajaya**

### Parallel Session VI

**Topic : Sensors and Nanosensors**

**Chairperson of Session: Dr. Amir Reza Sadrolhosseini**

- 1100 - 1120 Invited paper: Model Based Design Approach for Temperature Dependent Sensors Compensation  
*Nattha Jindapetch, Prince of Songkla University (PSU), Thailand*
- 1120 - 1140 A High Potential Optical Method for Sensitive and Selective Detection of Essential Elements  
*Yap Wing Fen, Universiti Putra Malaysia (UPM)*
- 1140 - 1200 Modification of Gold Active Layer For Detection Cobalt Ion Via Surface Plasmon Resonance Spectroscopy  
*Silvan Saleviter, Universiti Putra Malaysia (UPM)*
- 1200 - 1220 Hexadecyltrimethylammonium Bromide Modified Nanocrystalline Cellulose/ Graphene Oxide Composite Thin Film Incorporated with Surface Plasmon Resonance Spectroscopy for Sensing Copper ion  
*Wan Mohd Ebtisyam Mustaqim Mohd Daniyal, Universiti Putra Malaysia (UPM)*
- 1220 - 1240 Ammonia Sensing Using Multilayer Graphene Grown On Co-Ni/Al<sub>2</sub>O<sub>3</sub> Substrate  
*May Alsaffar, University of Technology, Iraq*

### Parallel Session VIII

**Topic : Composites and Nanomaterials for Photonics and Catalysis**

**Chairperson of Session: Dr. Faizah Mohd Yasin**

- 1400 - 1420 Invited paper: Graphene based photonics: from visible to microwave  
*Coskun Kocabas, University of Manchester, United Kingdom*
- 1420 - 1440 Effect of BiFeO<sub>3</sub>/epoxy resin composite thickness on gigahertz microwave absorption properties  
*Siti Nor Ain Rusly, Universiti Putra Malaysia (UPM)*
- 1440 - 1500 Preparation of TiO<sub>2</sub> Photoanode on Flexible ITO Coated PET for Dye Sensitized Solar Cell  
*Suraya Shaban, Universiti Putra Malaysia (UPM)*
- 1500 - 1520 Visible-Light-Prompt Photoelectrochemical Sensor of Copper(II) Ions based on CdS Nanorods Modified with Au Nanoparticles and Graphene Quantum Dots  
*Izwaharyanie Ibrahim, Universiti Putra Malaysia (UPM)*
- 1520 - 1540 Fabrication of Visible-Light Responsive CQDs/Cu<sub>2</sub>O nanocomposite for CO<sub>2</sub> photoreduction  
*Tharani Kulandaivalu, Universiti Putra Malaysia (UPM)*
- 1540 - 1600 Fabrication of Ag<sub>3</sub>PO<sub>4</sub> /g-C<sub>3</sub>N<sub>4</sub> composite: Enhanced charge separation and outstanding photoactivity under very low intensity visible light irradiation  
*Hayati Mohamad Mukhair, Universiti Putra Malaysia (UPM)*
- 1600 - 1620 Palladium Nanoparticles Supported on Metal Oxide as an Efficient and Reusable Heterogeneous Catalyst for Suzuki-Miyaura Cross Coupling Reaction  
*Mak Sek Yin, Universiti Kebangsaan Malaysia (UKM)*