# NANO-SciTech 2013
## PROGRAMME TABLE

### MARCH 1, 2013 (Friday)

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:00-17:00</td>
<td><strong>MoA (LIAISON OFFICE) SIGNING CEREMONY</strong>&lt;br&gt;Between UiTM and NiTech&lt;br&gt;(Universiti Teknologi MARA (UiTM), Shah Alam)</td>
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<tr>
<td>15:00-18:00</td>
<td><strong>PRE-REGISTRATION</strong>&lt;br&gt;(Perdana Hall)</td>
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### MARCH 2, 2013 (Saturday)

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<tr>
<td>07:30-08:30</td>
<td><strong>REGISTRATION</strong>&lt;br&gt;(Perdana Hall)</td>
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<tr>
<td>08:30-09:00</td>
<td><strong>PRAYER RECITAL &amp; WELCOME ADDRESS</strong>&lt;br&gt;(Perdana Hall)</td>
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<tr>
<td></td>
<td>Prof. Dr. Ahmad Sazali Hamzah&lt;br&gt;Director of The Institute of Science</td>
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<tr>
<td>09:00-09:45</td>
<td><strong>KEYNOTE LECTURE</strong>&lt;br&gt;(Perdana Hall)</td>
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<tr>
<td></td>
<td>Prof. Dr. Yuji Iwamoto&lt;br&gt;Nagoya Institute of Technology, Japan&lt;br&gt;“Microporous Amorphous Ceramic-Based Membranes for Gas Separation”</td>
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<tr>
<td>09:45-10:05</td>
<td><strong>INDUSTRIAL TALK 1</strong>&lt;br&gt;(Perdana Hall)</td>
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<td></td>
<td>Mr. Kenneth Way&lt;br&gt;Perkin Elmer Sdn Bhd&lt;br&gt;“Perkin Elmer Latest Advancement in Spectroscopy (2D-IR), Thermal and Hyphenation Techniques (TGA-FTIR-GCMS) in Complex Material and Nanomaterial Applications”</td>
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<td>10:05-10:25</td>
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**BREAK UP SESSION**

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<tr>
<th>Perdana Hall</th>
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<tbody>
<tr>
<td>Chairperson: Dr. Suriani Abu Bakar</td>
<td>Chairperson: Dr. Mohd Zainizan Sahdan</td>
<td>Chairperson: Dr. Mohd Khairul Ahmad</td>
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<tr>
<td>10:25-10:55</td>
<td><strong>INVITED LECTURE</strong>&lt;br&gt;Prof. Dr. Tetsuo Soga&lt;br&gt;(Nagoya Institute of Technology, Japan)&lt;br&gt;“Nanocarbons for Organic Solar Cells”</td>
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<tr>
<td>10:25-10:55</td>
<td><strong>INVITED LECTURE</strong>&lt;br&gt;Prof. Dr. Uda Hashim&lt;br&gt;(Universiti Malaysia Perlis, Malaysia)&lt;br&gt;“Fabrication and Characterization of the Nanogap Electrode using Size Reduction Technique for DNA Hybridization Detection”</td>
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<td>10:25-10:55</td>
<td><strong>INVITED LECTURE</strong>&lt;br&gt;Prof. Engr. Dr. Mohamad Rusop Mahmood&lt;br&gt;(Universiti Teknologi MARA, Malaysia)&lt;br&gt;“Fabrication of N-Type Semiconductive Nano-Structured Zinc Oxide Based Opto-Electronic Devices by Sol-Gel Deposition Method”</td>
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<td>Chairperson: Dr. Azira Abd Aziz</td>
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<td>14:00-14:30</td>
<td>INVITED LECTURE</td>
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<td>Prof. Dato’ Dr. Burhanuddin Yeop Majlis</td>
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<td></td>
<td>(Universiti Kebangsaan Malaysia, Malaysia)</td>
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<td>“Lab on Chip for Biomedical Applications”</td>
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<td>16:30-16:50</td>
<td>P37 Husam S. Al-Salman (Universiti Sains Malaysia, Malaysia) “Fabrication and Characterization of Undoped Zno Based on UV Photodetector Prepared by RF-Sputtering”</td>
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<td></td>
<td>P38 Hani Shazwani Mohd Suhaimi (Universiti Sains Malaysia, Malaysia) “Preparation and Characterization of Polysulfone Mixed Matrix Membrane Incorporated with Thermodynamically Stable Nano-Palladium For Hydrogen Separation”</td>
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<td>P39 Zurita Zulkifli (Nagoya Institute of Technology, Japan) “Effects of Hydrogen Annealing on ZnO Thin Films”</td>
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<td>16:50-17:00</td>
<td>BREAK</td>
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<td>17:00-18:30</td>
<td>POSTER SESSION 1 PO01 – PO80, PO132, PO133, PO142-PO148, PO175 (Perdana Hall)</td>
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<td>19:45-23:00</td>
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<td>07:30-09:00</td>
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<td>KEYNOTE LECTURE</td>
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<td>Dr. Abdul Kadir Masrom</td>
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<td>“Nanotechnology – Next Growth Driver for Malaysia towards 2020”</td>
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<td>09:45-10:05</td>
<td>INDUSTRIAL TALK 2</td>
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<td>10:05-10:25</td>
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<td>PERDANA HALL</td>
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<td>10:25-10:55</td>
<td>INVITED LECTURE</td>
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<td>Prof. Dr. Tanemura Masaki (Nagoya Institute of Technology, Japan) “Synthesis of Carbon Nanotube and Graphene by Solid Phase Reaction”</td>
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<td>10:55-11:15</td>
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<td>Dr. Suriati Paiman (Universiti Putra Malaysia, Malaysia) “MOCVD-grown indium phosphide nanowires for optoelectronics”</td>
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<td>10:55-11:15</td>
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<td>11:15-11:35</td>
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<td>Noor Syazwani Bt Mansor (Universiti Sains Malaysia, Malaysia) “A Comparative Study Of Dielectric Strength Between SiR/EPDM And PP/EPDM Blends With Various Type Of Nanofillers”</td>
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<td>11:15-11:35</td>
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<td>Sheikh Khaleduzzaman Shah (Universiti Malaya, Malaysia) “Thermal Performance Improvement of Electronics using Nanofluids”</td>
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<td>Md. Shahrul Islam (Universiti Malaya, Malaysia) Ocular Tissue “Global Effects Of Mwcnt-Water Nanofluid In A Shell And Tube Heat Exchanger”</td>
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<td>11:35-11:55</td>
<td>P46 Amin Kamyar (Universiti Malaya, Malaysia) “Influence of Nanoparticle Type, Size And Weight on Migration Properties of Nanorefrigerant”</td>
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<td>P47 Prof. Dr. Shoichiro Ikeda (Universiti Teknologi Malaysia, Malaysia) “Preparation and Applications of Hydrophilic Nano-Carbon Particles”</td>
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<td>P48 M.M. Elias (Universiti Malaya, Malaysia) “Effect of Chevron Angle on Performance Investigation of Plate Heat Exchanger using Nanofluid”</td>
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<td>11:55-12:15</td>
<td>P49 Nur Ameera Bt Anuar (Universiti Malaya, Malaysia) “Effects of Growth Temperature on Electrical Properties of Nanocolumnar Zinc Oxide Film Deposited by RF Magnetron Sputtering”</td>
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<td>P50 Omid Akbarzadeh (Universiti Teknologi PETRONAS, Malaysia) “Influence of Acid and Thermal Treatments on Properties of Carbon Nanotubes”</td>
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<td>P51 V.Vasudeva Rao (Sreenidhi Institute of Science and Technology, India) “Experimental Investigation of Relative Performance of Water Based TiO2 and ZnO Nanofluids in A Double Pipe Heat Exchanger”</td>
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<td>P53 Mohammad Abdul Alim (Universiti Malaya, Malaysia) “Analysis of Heat Transfer Performance of a Flat Plate Solar Collector Using Different Nanofluids”</td>
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<td>P54 Yanuar Zulardiansyah Arief (Universiti Teknologi Malaysia, Malaysia) “Electrical Treeing and Morphological Analysis of Epoxy Nanocomposites with Different Concentrations of Silica Nanofillers”</td>
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<td>12:35-12:55</td>
<td>P55 Nurul Amal Nadhirah Mohamad (Universiti Teknologi MARA, Malaysia) “Plant Extract as Reducing Agent in Synthesis of Metallic Nanoparticles”</td>
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<td>P56 Saeed Rahmanian (Universiti Putra Malaysia, Malaysia) “Synthesis of Carbon Nanotubes on Carbon Fiber Through Coating of Nano-Iron Oxide Particles”</td>
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<td>P57 Najwa Surani (Universiti Malaya, Malaysia) “Influence of RF Magnetron Sputtering Pressure on the Optical, Electrical and Structural Properties of Indium Tin Oxide Nanorods”</td>
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<td>14:00-14:30</td>
<td><strong>INVITED LECTURE</strong>&lt;br&gt;Prof. Datin Dr. Saadah Abdul Rahman (Universiti Malaya, Malaysia)&lt;br&gt;“Integration of Zinc Oxide Nanostructures on Silicon Nanowires”</td>
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<td>14:30-14:50</td>
<td>P58 Rafidah Ahmad (University of Southampton, Malaysia Campus)&lt;br&gt;“Characterization of MgZnO Thin Film for 1 GHz MMIC Applications”</td>
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<td>14:50-15:10</td>
<td>P61 Md. Shamimul Haque Choudhury (Bangladesh University of Engineering &amp; Technology)&lt;br&gt;“Effect of Dispersion Time on The Removal of Escherichia coli Using Multiwall Carbon Nanotube”</td>
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<td>15:10-15:30</td>
<td>P64 Nor Aina Che Manaf (University Teknologi MARA, Malaysia)&lt;br&gt;“Optimized Nano-slot Silicon Waveguide Structures for Optical Sensing Applications”</td>
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<td>09:00</td>
<td>Depart from Shah Alam (UiTM &amp; Grand Bluewave Hotel)</td>
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<td>11:00</td>
<td>Arrived at Menara Kuala Lumpur</td>
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<td>End of Programme</td>
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