

## TUESDAY POSTER PROGRAM, Venue: M1 and M2, 16:30-18:30

TU1	<b>Growth of GaN Quantum Dots Using [(CH<sub>3</sub>)<sub>4</sub>Si as a Wetting Layer by Plasma Assisted MOCVD;</b> <u>Pepe Arifin</u> ; ITB
TU2	<b>Preparation and characterisation of nano gold particles containing novel micro and macro porous catalytic materials;</b> <u>Suresh Bhargava</u> ; RMIT University
TU3	<b>Crystallization of hard sphere colloids - deviations from classical nucleation theory.;</b> <u>Gary Bryant</u> ; RMIT University
TU4	<b>Nanocrystalline Nickel Hydroxide in Pasted Nickel Electrodes for Rechargeable Nickel Batteries;</b> <u>S L Chan</u> ; University of New South Wales
TU5	<b>Implantation-induced nanocavities and Au nanoparticles in Si and SiO<sub>2</sub>;</b> <u>Supakit Charnvanichborikarn</u> ; Australian National University
TU6	<b>Synthesis and optical properties of mullite (Al<sub>5</sub>.65Si<sub>0.35</sub>O<sub>9</sub>.175) nanowires;</b> <u>Yong Jun Chen</u> ; Australian National University
TU7	<b>Growth of Indium Oxide Nanostructures by Thermal Evaporation;</b> <u>Alexandru Fechete</u> ; RMIT University
TU8	<b>Synthesis of ZnO, TiO<sub>2</sub> and V<sub>2</sub>O<sub>5</sub> nanowires using ball-milling and annealing method;</b> <u>Alexey Glushenkov</u> ; Australian National University
TU9	<b>Charge Injection into 2D Nanocrystal Arrays;</b> <u>Ann Gooding</u> ; University of Melbourne
TU10	<b>Computational modelling of nanorod growth;</b> <u>Gregory Grochola</u> ; RMIT University
TU11	<b>Preparation and characterization of mesoporous Ni/Zr-laponite for the catalytic deoxygenation of vegetable oils into liquid hydrocarbons;</b> <u>Siswati Lestari</u> ; ARC Centre for Functional Nanomaterials
TU12	<b>Photocatalysts for the Destruction of Styrene as an Air Pollutant;</b> <u>Melvin Lim</u> ; Australian Research Council Centre for Functional Nanomaterials
TU13	<b>Preparing Catalytic Substrates with Ordered Size of Iron Nanoparticles for Production Carbon Nanotubes;</b> <u>Igor Nerush</u> ; Flinders University
TU14	<b>Expansion-limited nanocluster growth in a plume formed by MHz-pulse-rate laser ablation;</b> <u>Andrei Rode</u> ; Australian National University
TU15	<b>Polymer nanocomposites based on P3OT, TPU and SWNT: preparation and thermal characterization;</b> <u>Glaura G Silva</u> ; Universidade Federal De Minas Gerais
TU16	<b>Cadmium selenide and zinc sulfide nanoparticles "Challenges in synthesis revealed through optical properties;</b> <u>Jinjun Sun</u> ; Macquarie University
TU17	<b>The effect of size of Au-core Ag-shell nanoparticles on their enhancement of fluorescence;</b> <u>Fang Xie</u> ; Macquarie University
TU18	<b>Carbon nanotubes enhanced hydrogen absorption in Magnesium-based nanocomposites;</b> <u>Xiangdong Yao</u> ; University of Canterbury
TU19	<b>Biocompatible polypeptide microcapsules via templating mesoporous silica particles;</b> <u>Aimin Yu</u> ; University of Queensland
TU20	<b>Peptide Modified Sensors for the Multicomponent Analysis of Heavy Metal Ions;</b> <u>Edith Chow</u> ; CSIRO
TU21	<b>Degeneration of Magnetic States of the Order Parameter Relative to the Boundary Conditions and Discrete Energy Spectrum in Ferromagnetic and Antiferromagnetic Nanotubes;</b> <u>O. Yu. Gorobets</u> ; Institute for Magnetism NAS of Ukraine
TU22	<b>Bio-process simulated peptide production;</b> <u>Belinda Hartmann</u> ; University of Queensland
TU23	<b>Solid state AC electroosmosis micro pump : a demonstrator for cell and nanoparticle trapping;</b> <u>Florian L'Hostis</u> ; University of Canterbury
TU24	<b>Synthetic lipopeptides formulated in liposomes: effect on their immune stimulatory capacity in vitro;</b> <u>Ming Tao Liang</u> ; University of Queensland
TU25	<b>Chiral recognition dynamics of adsorbed dipeptides observed by scanning tunnelling microscopy;</b> <u>Miss Magalí Lingenfelder</u> ; Max Planck Institute
TU26	<b>Operating Mechanism and Dynamics of the F<sub>1</sub>-ATPase Molecular Motor;</b> <u>Ming S. Liu</u> ; Swinburne University
TU27	<b>Decoration of carbon nanotubes with biological entities for electronic device applications;</b> <u>Andrew Minett</u> ; University of Wollongong
TU28	<b>Bioimprint;</b> <u>James Muys</u> ; (presented by Florian L'Hostis) MacDiarmid Institute for Advance Materials & Nanotechnology
TU29	<b>Anionic eudragit nanoparticles as carriers for oral administration of peptidomimetic drugs: effect of</b>

	<b>adding surfactants on nanoparticle stabilization;</b> <a href="#">Rosa Pereira</a> ; Nanopharmacy Research Unit, Faculty of Pharmacy, Universiti Teknologi MARA
TU30	<b>Characterization of sulfate and phosphate containing plasma polymers;</b> <a href="#">Kim Shyong Siow</a> ; Ian Wark Research Institute
TU31	<b>Co-Doped TiO<sub>2</sub> Rutile Thin Films Deposited by MOCVD Method;</b> <a href="#">Pepen Arifin</a> ; ITB
TU32	<b>Electronic states of disordered and ordered bulk and thin film Co<sub>2</sub>MnSi for spintronic applications.;</b> <a href="#">Antoine Bittar</a> ; Industrial Research
TU33	<b>Multiferroic nano thin film with enhanced ferroelectric and ferromagnetic properties;</b> <a href="#">Zhenxiang Cheng</a> ; University of Wollongong
TU34	<b>Encapsulation of magnetic nanoparticles with biopolymer for biomedical application;</b> <a href="#">Suk Fun Chin</a> ; University of Western Australia
TU35	<b>Magnetometers made from superconducting nanobridges for the detection of small-spin systems;</b> <a href="#">Simon Lam</a> ; CIP, CSIRO
TU36	<b>Performance Analysis of MISiFET;</b> <a href="#">Angik Sarkar</a> ; Indian Institute of Technology Kharagpur
TU37	<b>Electronic Raman spectroscopy of interacting phosphorus donors for silicon QC devices;</b> <a href="#">Nikolas Stavrias</a> ; Centre of Excellence for Quantum Computer Technology
TU38	<b>Magnetization studies on Co:GaN Dilute Magnetic Semiconductor;</b> <a href="#">Venkata Chandrasekhar-Rao Turumella</a> ; University of Western Australia
TU39	<b>Resonant Cavity Enhanced HgCdTe Detectors;</b> <a href="#">Justin Wehner</a> ; University of Western Australia
TU40	<b>Magnetoresistance and Magnetic Properties of Doped Sr<sub>2</sub>CoO<sub>4</sub> for Spintronics;</b> <a href="#">Qiwen Yao</a> ; University of Wollongong
TU41	<b>Sub-wavelength Texturing for Solar Cells using Interferometric Lithography;</b> <a href="#">Wei-Lun Chiu</a> ; University of Canterbury <b>Nanosphere lithography using thermal evaporation of gold;</b> <a href="#">Ben Flavel</a> ; Flinders University
TU43	<b>Magnetic Signals from Proton Implanted Microstructures in Graphite;</b> <a href="#">David Jamieson</a> ; University of Melbourne
TU44	<b>Self assembled functional nanomaterials: from ionic capsules to nanoporous molecular framework;</b> <a href="#">Mohamed Makha</a> ; University of Western Australia
TU45	<b>Electrospinning of nanofibres for construction of vital organ replacements;</b> <a href="#">Amal Owida</a> ; Swinburne University of Technology
TU46	<b>Creating diamond-like-carbon (DLC) templates using atomic force microscopy;</b> <a href="#">Gregory Watson</a> ; Griffith University
TU47	<b>Polymeric surface alteration via scanning probe microscopy;</b> <a href="#">Jolanta Watson</a> ; Griffith University
TU48	withdrawn
TU49	<b>Spatially resolved nanocrystal luminescence using maximum entropy analysis of cathodoluminescence;</b> <a href="#">Annette Dowd</a> ; University of Technology Sydney
TU50	<b>Characterization of turbostratic carbons synthesized by catalytic decomposition of acetylene;</b> <a href="#">Xiang Li</a> ; University of Queensland
TU51	<b>Characterisation of hybrid gold-polymer nanoparticles for use in bioassays;</b> <a href="#">Tara Schiller</a> ; Queensland University of Technology
TU52	<b>Streaming zeta potential measurements of surface-bound molecular species;</b> <a href="#">Daniel Wright</a> ; Flinders University
TU53	<b>Density Functional ab-initio study of passivated non-polar wurtzite CdSe surfaces;</b> <a href="#">Istvan Csik</a> ; RMIT University
TU54	<b>Synthesis and properties of cross-linked recombinant pro-resilin: an insect rubber-like biomaterial;</b> <a href="#">Chris Elvin</a> ; CSIRO Livestock Industries

## THURSDAY POSTER PROGRAM, Venue M1 and M2, 16:30-18:30

TH1	<b>Preparation of 2-dimensional metallic and semi-conductive nanoparticle arrays using nanoparticle/poly(methyl methacrylate) nanocomposites;</b> <a href="#">Adrian Fuchs</a> ; Queensland University of Technology
TH2	<b>The influence of silica nanoparticles on the preparation and stability of o/w emulsions;</b> <a href="#">Nasrin Ghouchi Eskandar</a> ; Ian Wark Research Institute
TH3	<b>Scaled-up production of multi-walled carbon nanotubes using catalytic chemical vapour deposition;</b> <a href="#">Barry Halstead</a> ; La Trobe University
TH4	<b>Synthesis of high density 4 A single-walled carbon nanotubes in AIPO4-5 zeolites;</b> <a href="#">Xijun Hu</a> ; Hong Kong University of Science And Technology
TH5	<b>A nano-sized catalytic architecture composed of SiO<sub>2</sub>-TiO<sub>2</sub> particle and carbon nanofibers;</b> <a href="#">Xijun Hu</a> ; Hong Kong University of Science And Technology
TH6	<b>X-ray diffraction and photocatalytic reaction of titanium dioxide prepared by hydrolysis of titanium alkoxide;</b> <a href="#">Yasuro Ikuma</a> ; Kanagawa Institute of Technology
TH7	<b>Hydrogen uptake in ball milled TiMgNi;</b> <a href="#">Marc Jenke</a> ; Curtin University of Technology
TH8	<b>Novel Nanocomposite of Polyaniline/Poly(2-methoxy-aniline-5-sulfonic acid);</b> <a href="#">Fatemeh Masdarolomoor</a> ; ARC Centre of Excellence for Electromaterials Science
TH9	<b>Micro-structural evolution in processed graphite;</b> <a href="#">Adriyan Milev</a> ; University of Western Sydney
TH10	<b>Photocatalytic Activities and Sintering Mechanism of TiO<sub>2</sub> Nano Particles Coated on Glass;</b> <a href="#">Koichi Niwa</a> ; Kanagawa Institute of Technology
TH11	<b>; Preparation of Nanoparticles of Some Metal Oxides by the Simple Solution Process;</b> <a href="#">Kiyoshi Ozawa</a> ; National Institute for Materials Science
TH12	<b>Preparation of Gold Nanoparticles in Lecithin Vesicles;</b> <a href="#">Damyanti Sharma</a> ; Ian Wark Research Institute
TH13	<b>Pyrosol generation of ZnO nanoparticles and structured thin films;</b> <a href="#">Denis Sweatman</a> ; Griffith University
TH14	<b>Silica plates as precursor for nano-structured materials;</b> <a href="#">Nguyen Tran</a> ; University of Western Sydney, School of Natural Sciences
TH15	<b>Dendritic gold substrates for surface-enhanced Raman spectroscopy;</b> <a href="#">Kym Watling</a> ; Griffith University
TH16	<b>The Preparation of Rare Earth Nanorods via a Hydrothermal Route in Alkaline Solution;</b> <a href="#">Gao Xueping</a> ; Nankai University
TH17	<b>Synthesis and characterisation of iron doped boehmite nanofibres;</b> <a href="#">Yanyan Zhao</a> ; Queensland University of Technology
TH18	<b>An Improved Process for Fabricating High-Mobility Organic Molecular Crystal Field-Effect Transistors;</b> <a href="#">Laurence Bell</a> ; University of New South Wales
TH19	<b>Complexes of carbon nanotubes and conjugated polymer;</b> <a href="#">Roland Goh</a> ; Queensland University of Technology
TH20	<b>Polyimide/carbon nanotubes composite films: A potential for FPCB;</b> <a href="#">Ji-Heung Kim</a> ; Sungkyunkwan University
TH21	<b>Lead sulphide nanocrystal/conducting polymer solar cells;</b> <a href="#">Paul Schwenn</a> ; University of Queensland
TH22	<b>PTMS alignment on aluminium oxide;</b> <a href="#">Lars Thomsen</a> ; University of Newcastle
TH23	<b>Gold Nanoparticle Array With Anisotropic Optical Properties;</b> <a href="#">Burak Cankurtaran</a> ; University of Technology Sydney
TH24	<b>InGaAsN Quantum Dots for Long Wavelength Lasers;</b> <a href="#">Qiang Gao</a> ; Australian National University
TH25	<b>Magnetoplasma in THz driven semiconductor heterostructures;</b> <a href="#">M Saeid Hessami Pilehrood</a> ; University of Wollongong
TH26	<b>Optimisation of nanostructured porous silicon surface chemistry towards biophotonic sensors;</b> <a href="#">Kristopher Kilian</a> ; University of New South Wales
TH27	<b>Two-photon induced optical recording in quantum-dot based photorefractive materials;</b> <a href="#">Xiangping Li</a> ; Swinburne University of Technology
TH28	<b>Thermal annealing study on InGaAs/GaAs quantum dot infrared photodetectors;</b> <a href="#">Ian McKerracher</a> ; Australian National University
TH29	<b>High Accuracy Measurement of Relaxation Oscillation Frequency in Heavily Damped Quantum Well Lasers;</b> <a href="#">Christopher McMahon</a> ; Macquarie University
TH30	<b>Coupled surface electromagnetic waves supported by subwavelength nano conducting layers;</b>

	<u>Bizhan Rashidian</u> ; Sharif University of Technology
TH31	<b>Growth and characterization of InAs/GaAs quantum dots and diode lasers</b> ; <u>Kallista Sears</u> ; Australian National University
TH32	<b>Microcavity Resonances from Spheres and Spheroids</b> ; <u>Adam Trevitt</u> ; University of Melbourne
TH33	<b>Fluorescence of Quantum Dots stored in a Quadrupole Ion Trap</b> ; <u>Philip Wearne</u> ; University of Melbourne
TH34	<b>Electroless deposition of Ag thin films</b> ; <u>Fionnuala Buckley</u> ; Griffith University
TH35	<b>Multi-layered silica-carbon molecular sieve membranes for CO2 capture</b> ; <u>Mikel Duke</u> ; ARC Centre for Functional Nanomaterials
TH36	<b>Electrochemical Growth of Nickel Arborescences under Magnetic Field</b> ; <u>O. Yu. Gorobets</u> ; Institute for Magnetism NAS of Ukraine
TH37	<b>Characterisation and ion transport behaviour of ion gels</b> ; <u>Anita Hill</u> ; CSIRO
TH38	<b>Porous silicon - a nanostructured delivery system</b> ; <u>Karyn Jarvis</u> ; University of South Australia
TH39	<b>Proton conduction of ordered mesoporous silica-methanesulfonic acid hybrids</b> ; <u>Yonggang Jin</u> ; ARC Centre for Functional Nanomaterials
TH40	<b>Effect of Promoter on Mesoporous Supports for Increased H2 Production from Sugar Reforming</b> ; <u>Akshat Tanksale</u> ; ARC Centre for Functional Nanomaterials
TH41	<b>Field emission resonances from self-assembled silicon nanostructures</b> ; <u>Bill Trompetter</u> ; GNS Science
TH42	<b>Synthesis and characterisation of hybrid polymer-gold nanoparticles: towards novel biosensors</b> ; <u>Zul Merican</u> ; University of Queensland
TH43	<b>Force distribution for double-walled carbon nanotubes</b> ; <u>Duangkamon Baowan</u> ; University of Wollongong
TH44	<b>Determining the Interaction of Fluids with Nanostructured Carbons</b> ; <u>Benjamin Cunning</u> ; Griffith University
TH45	<b>Water molecule adsorption properties and electronic structures of metal oxide photo-catalysts designed for water decomposition</b> ; <u>Mitsutake Oshikiri</u> ; National Institute for Materials Science
TH46	<b>Identification of asymmetric current fluctuations in small systems</b> ; <u>Carlo Paneni</u> ; Griffith University
TH47	<b>Theory of the Long-Ranged Interaction between a Graphene Plane and Various Substrates</b> ; <u>Kenneth Simpkins</u> ; Griffith University
TH48	<b>Simulation Model for Reforming Methane through Photoreduction of Carbon Dioxide with Water Vapor</b> ; <u>Seng Sing Tan</u> ; Deakin University
TH49	<b>Exploring the structure of nanoparticles through metadynamics</b> ; <u>Zoe Taylor</u> ; Curtin University of Technology
TH50	<b>Development of carbon nanotube-based sensors</b> ; <u>Lee Hubble</u> ; University of Western Australia
TH51	<b>Hydrogen gas sensor with polyaniline nanofiber layer on 64° YX LiNbO3 SAW transducer</b> ; <u>Abu Zafar Sadek</u> ; RMIT University
TH52	<b>Photophysical studies of functionalized PAMAM dendrimer based sensors</b> ; <u>Adrian Trinchi</u> ; CSIRO
TH53	<b>Corrosion Resistance of Nanostructured Alloys</b> ; <u>Raman Singh</u> ; Monash University