

7:30	Registration Open Venue: Bayside Foyer					
8:00	Exhibition Open Venue: Bayside Gallery and Foyer					
8:30	CONFERENCE OPENING AND PLENARY SESSION 1 Venue: Bayside Auditorium A Chairs: Prof Calum Drummond, Prof Andrew Dzurak and Dr Cathy Foley Welcome to Country Welcome: The Hon Jodi McKay, NSW Minister for Science and Medical Research Opening Address: Prof Mary O'Kane, Chief Scientist and Scientific Engineer of NSW					
9:00	David Awschalom - University of California, Santa Barbara, USA <i>Manipulating single spins and coherence in semiconductors</i>					
9:45	Michael Roukes - Kavli Nanoscience Institute, Caltech, USA Presentation Title TBC					
10:30	Morning Tea					
11:00	PARALLEL SYMPOSIA - SESSION 1					
	SYMPOSIUM 1: Nanomaterials and the Environment (Bayside 105) Chair: Dr Graeme Batley	SYMPOSIUM 2A: Excitons & Plasmons (Bayside 103) Chair: TBC	SYMPOSIUM 2B: Meso/Nano silica (Bayside Auditorium) Chair: Prof Chengzhong Yu	SYMPOSIUM 3: Nanobiotech (Bayside 104) Chair: Prof Frank Caruso	SYMPOSIUM 4: Nanoelectronics (Bayside 102) Chair: Prof Lloyd Hollenberg	SYMPOSIUM 7: Nanoindustry (Bayside 106) Chair: Prof Abid Khan
11:00	<i>Invited Speaker</i> Prof Mark Wiesner Duke University, USA <i>Physical-chemical factors controlling nanoparticle exposure, transformation and reactivity</i>	<i>Invited Speaker</i> Prof Michael Cortie University of Technology Sydney <i>Beyond burgundy : Strategies to extend the colour gamut of plasmonic nanoparticles</i>	<i>Invited Speaker</i> Prof Hua Gui Yang East China University of Science and Technology, China <i>Anatase TiO2 with A Large Percentage of {001} Facets for Environment and Energy Applications</i>	<i>Invited Speaker</i> Prof Keiichi Torimitsu NTT Basic Research, Japan <i>Understanding the Structure and Functions of Receptor Protein</i>	<i>Invited Speaker</i> Prof Hans Hilgenkamp University of Twente, The Netherlands <i>Effects of interface conductance and magnetism between insulating, non-magnetic oxides</i>	<i>Invited Speaker</i> Prof Ian Boyd Melbourne Centre for Nanofabrication, VIC <i>Presentation title TBA</i>
11:30	Dr Nicola Rogers CSIRO Land & Water, NSW <i>Light-induced toxicity of nanoparticulate CeO2 to aquatic organisms</i>	Dr Daniel Gomez CSIRO Molecular & Health Technologies, VIC <i>Coherent Coupling of Excitons in Colloidal Quantum Dots and Surface Plasmons</i>	Dr Jian Liu ARC Centre of Excellence for Functional Nanomaterials, QLD <i>A Facile Vesicle Template Route to Mesoporous Silica Hollow Nanospheres with Tunable Size</i>	<i>Invited Speaker</i> Prof Alan Rowan University of Nijmegen, The Netherlands <i>Polyisocyanopeptide Nanoworms 'From solar cells to drug delivery'</i>	Dr Simon Lam CSIRO Materials Science and Engineering, NSW <i>Magnetisation measurement of ferritin nanoparticles using nanoSQUIDs</i>	Mr Charles Mire University of Wollongong, NSW <i>Printing Nanomaterials Using Non-Contact Printing</i>
11:45	Prof David Waite The University of New South Wales, NSW <i>Oxidative Contaminant Degradation by Nanoparticulate Zero Valent Iron in the Absence and Presence of Selected Redox Catalysts</i>	Mr George Lee Intelligent Polymer Research Institute, NSW <i>Photomorphic Silver Nanoparticles</i>	Dr Dehong Chen Melbourne University, VIC <i>Long chain alkyl amine templated synthesis of mesostructured titania-based oxide microspheres and their application</i>		Dr Mikhail Kostylev University of Western Australia, WA <i>Microwave collective dynamics of arrays of dipole coupled magnetic nanoelements</i>	Mr Gerald Kreindl EV Group, Austria <i>35 nm Half Pitch Step and Repeat Imprinting utilizing polymeric stamps from EUV-IL fabricated templates</i>
12:00	Ms Heather Pace Colorado School of Mines, USA <i>Advanced Methods to Characterize Inorganic Nanomaterials for Environmental Toxicity Studies</i>	Dr Kristy Vernon CSIRO Materials Science and Engineering, VIC <i>Effective Background Permittivity of nanoparticles on Substrates</i>	Mr Tae-Hyun Kim Australian National University, ACT <i>The synthesis and properties of silica and hybrid metal-silica nanostructures</i>	Prof Gordon Wallace University Of Wollongong, NSW <i>Organic Nanobionics - A New Capability</i>	Dr Karl-Heinz Muller CSIRO Materials Science and Engineering, NSW <i>Electron transport in nanoparticle assemblies</i>	Dr Takuya Tsuzuki Deakin University, VIC <i>Current Trend in the Commercial Production Methods of Inorganic Nanoparticles</i>
12:15	Dr Geert Cornelis University of Adelaide, SA <i>Dissolution and Partitioning of Manufactured Nanoparticles in the Terrestrial Environment</i>	Miss Julia Baldauf University of Melbourne, VIC <i>Exciton-Plasmon coupling between a single CdSe/CdS-nanocrystal and a single Au-particle</i>	Dr Jeremy Wu Industrial Research Limited, New Zealand <i>Template-assisted Fabrication of Nanomaterials and Their Applications</i>	Dr Marc In Het Panhuis University of Wollongong, NSW <i>Conducting hydrogel bio-materials</i>	Dr Timothy Duty University of Queensland, QLD <i>Phase-flip transitions and amplification in a parametric oscillator based upon a SQUID-tunable microwave resonator</i>	Mr Clive Davenport CSIRO Future Manufacturing Flagship, VIC <i>Plastic Banknotes to Printed Solar Cells: Printing a Sustainable Future</i>
12:30	Lunch					

13:30 PARALLEL SYMPOSIA - SESSION 2						
	SYMPOSIUM 1: Metrology and Modelling. (Bayside 105) Chairs: Dr Asa Jamting and Dr Maxine McCall	SYMPOSIUM 2A: Excitons & Plasmons (Bayside 103) Chair: TBC	SYMPOSIUM 2B: Meso Structures II (Bayside Auditorium) Chair: Prof Hua Gui Yang	SYMPOSIUM 3: Nanobiotech (Bayside 104) Chair: Prof Alan Rowan	SYMPOSIUM 4: Nanoelectronics (Bayside 102) Chair: Prof Andrew Dzurak	SYMPOSIUM 7: Nanoindustry (Bayside 106) Chair: Mr Clive Davenport
13:30	<i>Invited Speaker</i> Dr Michael Stintz University of Technology Dresden, Germany <i>Nanoparticle Characterization Techniques – Selection, Interpretation and some Pitfalls</i>	<i>Invited Speaker</i> Dr Marco Califano University of Leeds, UK <i>Excitation and De-Excitation Processes in Semiconductor Nanocrystals: Theory vs Experiment</i>	<i>Invited Speaker</i> Prof Chengzhong Yu Fudan University, China <i>Designed Siliceous Nanovehicles for Bio-applications</i>	<i>Invited Speaker</i> Prof Horst Vogel EPFL, Switzerland <i>Investigating cellular signalling at the nanometer and attoliter scale</i>	<i>Invited Speaker</i> Prof Gerhard Klimeck Purdue University, USA <i>Atomistic Electronic Structure and Transport Modeling of Realistically Extended Nanoelectronic Devices</i>	<i>Invited Speaker</i> Dr Kees Eijkel University of Twente, Enschede, The Netherlands <i>Building clusters from University research</i>
14:00	Dr Victoria Coleman National Measurement Institute, NSW <i>Characterization of engineered metal oxide nanoparticles in sunscreen: measurement challenges</i>	Ms Dana Morgan University of Melbourne, VIC <i>Designing porous nanostructures for solar cell applications</i>	Dr Matthew Hill CSIRO Materials Science and Engineering, VIC <i>Development of metal organic frameworks with exceptional gas storage capacity</i>	Dr Ozana Onaca University of Basel, Switzerland <i>Membrane proteins as gates to reactions inside nanocontainers</i>	Mr Jarryd Pla University of New South Wales, NSW <i>Single-shot readout of an electron spin in silicon</i>	Dr Russell Lyons CSIRO, QLD <i>Molecular approaches to manipulating properties of resilin-inspired proteins and biomaterials</i>
14:15	Mr Andre Nogowski TU Dresden, Institute Of Process Engineering And Environmental Technology, Germany <i>Methods to characterize concentrated suspensions of fumed silica</i>	Mr Hong Qiao University of New South Wales, NSW <i>Optical Properties of II-VI Colloidal Quantum Dot Doped Porous Silicon Microcavities</i>	Dr Dario Buso CSIRO Materials Science and Engineering <i>Towards colloidal ultraporous frameworks using SiO2 nanoparticles as nucleating agents</i>	Miss Rona Chandrawati University of Melbourne, VIC <i>Capsosome: Cargo-loaded Liposomes within Polymer Carrier Capsule</i>	Mr Kok Wai Chan Centre for Quantum Computer Technology, University of New South Wales, NSW <i>Tunnelling Spectroscopy of Individual Implanted Phosphorus Donors in Silicon</i>	Dr Paolo Falcaro CSIRO Materials Science and Engineering, VIC <i>X-rays and sol-gel: a strategy to tune nanomaterials properties</i>
14:30	<i>Invited Speaker</i> Dr Dave Winkler CSIRO Molecular & Health Technologies, VIC <i>Towards modelling nanoparticle toxicity</i>	Mr DongHan Seo University of Sydney, NSW <i>Ion-assisted self-organization of size-selected Si quantum dots on SiC : Fabrication approach for all-Si 3rd generation photovoltaics</i>	Dr Yao-Da Dong Monash Institute Of Pharmaceutical Sciences, VIC <i>Surface and interfacial properties of nanostructured liquid crystalline systems</i>	Dr Angus Johnston University of Melbourne, VIC <i>Targeted Delivery of Encapsulated Therapeutics using Bioinspired Capsules</i>	Mr Kuan Yen Tan Center for Quantum Computer Technology (CQCT) <i>Probe and control of the reservoir density of states in single-electron devices</i>	Dr Erol Harvey Minifab, VIC <i>Frogs and Princesses : Working in the no-man's land between Universities and Industry</i>
14:45		Mr Daniel Tune Flinders University, SA <i>Single Walled Carbon Nanotube Array as Working Electrode for Dye Solar Cells</i>	Dr Avi Shalav Department of Electronic Materials Engineering, ACT <i>Hierarchal silica nanowire growth via single step annealing</i>	Dr Aimin Yu Murdoch University, WA <i>Novel Mesoporous Silica based Biolabels for Amplified Fluorescent Immunoassays</i>	Dr Giuseppe Carlo Tettamanzi Kavli Institute For Nanoscience- Delft University Of Technology, The Netherlands <i>A Novel Kondo effect in single atom transistors</i>	Dr Chris Carter Davies Collison Cave, NSW <i>Effective patent protection for nanotechnology – including a case study from the University of Queensland</i>
15:00	Afternoon Tea					

15:30 PARALLEL SYMPOSIUM - SESSION 3						
	SYMPOSIUM 1: Societal Impact and Governance of Nanotechnologies (Bayside 105) Chair: Prof Susan Dodds	SYMPOSIUM 2A: Nanomaterials I (Bayside 103) Chair: Prof Paul Mulvaney	SYMPOSIUM 2B: CNTs etc (Bayside Auditorium) Chair: Prof Michael Cortie	SYMPOSIUM 3: Nanobiotech (Bayside 104) Chair: Prof Gordon Wallace	SYMPOSIUM 4: Nanoelectronics (Bayside 102) Chair: Prof David Jamieson	SYMPOSIUM 7: Nanoindustry (Bayside 106) Chair: Mr John Miles
15:30	<i>Invited Speaker</i> Prof Linda Nielson University of Copenhagen, Denmark <i>Nanotechnology and regulation – Challenges, dilemmas and the EU approach</i>	Mr Mark Bissett Flinders University, SA <i>Photocurrent Response from Vertically Aligned Single-walled Carbon Nanotube Arrays</i>	Dr Jeon-Kook Lee Korea Insitute of Science and Technology, Republic of Korea <i>Electrical Conductivity Improvement of Transparent Conductive Carbon Nanotube Films</i>	Dr Kumar Penmetcha AIST, JAPAN <i>A BioDVD platform for monitoring various biomolecular interactions and its application in molecular diagnosis</i>	<i>Invited Speaker</i> Prof Paul Meredith University of Queensland, QLD <i>New Materials for Next Generation Organic Solar Cells</i>	<i>Invited Speaker</i> Dr Jan Herrmann National Measurement Institute, NSW <i>Traceable Nanoscale Length Metrology at NMI: Scanning Probe Microscopy</i>
15:45		PRESENTER TBC	Dr Pascal Boulanger CEA Saclay, France <i>Nanomembranes made of Aligned Carbon Nanotubes carpets by aerosol assisted CCVD : growth, impregnation, functionalisation and</i>	Dr Yen Nee Tan Institute of Material Research and Engineering, Singapore <i>A Gold-Nanoparticles-Based Biosensing Assay for Protein-DNA Interactions</i>		
16:00	A/Prof Simon Brown University of Canterbury, New Zealand <i>Governance of Nanotechnologies: Avoiding the New Deficit Model</i>	Prof Marek Osinski University of New Mexico, USA <i>Synthesis and Characterization of Lanthanide Halide Scintillating Nanocrystals for Gamma Radiation Detection</i>	Dr Canh-Dung Tran CSIRO Materials Science and Engineering, VIC <i>Spinning CNT based Composite Yarns using a dry spinning process</i>	Mr Bastian Rapp Karlsruhe Insitut Of Technology KIT / Forschungszentrum Karlsruhe, Germany <i>An indirect diffusion free mircrofluidic flow injection analysis (FIA) system as fluidic platform for biosensor sensor systems as demonstrated with an 8-fold surface acoustic wave (SAW) biosensor</i>	Dr Yuri Pashkin Nano Electronics Research Laboratories NEC Corporation, Ibaraki, Japan <i>Conventional single-electron transistor as a detector of its nanomechanical motion</i>	Mr Malcolm Lawn National Measurement Institute, NSW <i>A Metrological Intercomparison of Atomic Force Microscopes</i>
16:15		Dr Joel van Embden Swinburne University Of Technology, VIC <i>Band-edge and Higher-order Electronic Transitions in Wurtzite CdSe/CdS Heterostructure Nanocrystals</i>	Mr Ludovic Dumeé CSIRO Materials Science and Engineering, VIC <i>Thermal properties of carbon nanotube macro structures</i>	Dr Bernhard Wolfrum Forschungszentrum Jülich, Germany <i>Chip-based nanogap sensors for localized electrochemical detection of neurotransmitters in real-time</i>	Mr Nadim Darwish University of New South Wales, NSW <i>Probing the Electrochemical Double Layer Using Norbornylogous Bridges with Ferrocene and Anthraquinone Head</i>	Dr Patrick Trimby Australian Key Centre For Microscopy And Microanalysis, NSW <i>Assessing the accuracy, precision and long-term stability of length measurements using electron microscopy</i>
16:30	Ms Georgia Miller Friends of the Earth Australia, TAS <i>Nanotechnology and governance: The need to address broader social dimensions</i>	Dr Qijin Cheng CSIRO Materials Science and Engineering, NSW <i>Silicon quantum dots embedded in an amorphous silicon carbon matrix preparad by high-density inductively coupled plasmas</i>	Dr Duangkamon Baowan Mahidol University, Thailand <i>Encapsulation of TiO2 nanoparticles into carbon nanotubes</i>	Dr Vinay Gupta India <i>Fe - implanted ZnO Thin film for Mediator-less Third generation Biosensor</i>	Dr Jonathan Bould Academy of Sciences of The Czech Republic, Czech Republic <i>Self-assembled Thin Layer Inorganic and Inorganometallic Compounds on Metal Surfaces</i>	Dr Howard Morris Safe Work Australia, ACT <i>Development of International Health, Safety and Environment Standards for Nanotechnologies</i>
16:45	Dr Craig Cormick Department Of Innovation, Industry, Science And Research, ACT <i>What do you think the public think about nanotechnology?</i>	Ms Jinfeng Wang Deakin University <i>Fabrication of Highly Loaded Zinc Oxide/Silica Core Shell Nanospheres and Their Photodegradation Properties</i>	Dr Cara Doherty CSIRO Materials Science and Engineering, VIC <i>Meso/Macroporous Monolithic LiFePO4/Carbon Composite Cathode Materials for Lithium Ion Batteries</i>	Prof John W White Australian National University, ACT <i>Nanostructure of the 'Protein-nanoparticle Corona' an Indicator of Toxicity?</i>	Prof Michael James Australian Nuclear Science And Technology Organisation, NSW <i>Water, Water Everywhere, Nor Any Drop to Drink – Nanoscale Consensation of Water on Hydrophilic Self-Assembled Monolayers</i>	Dr Gerry Triani ANSTO, NSW <i>Atomic layer deposition and characterisation of Al2O3 and hybrid Al2O3 thin-films</i>
17:00	Oral Sessions Conclude					
17:00	Poster Session I (& Happy Hour) - Proudly sponsored by <insert logoMCN and ANFF> Venue: Bayside Terrace					
18:00	Nanotechnology Forum: What are the big issues about small technologies? Proudly sponsored by <insert Department of Innovation, Industry, Science and Research logo> Venue: Bayside Auditorium A					

8:00	Registration Open						
8:00	Exhibition Open						
	PLENARY SESSION 2 Venue: Bayside Auditorium A Chairs: Prof Calum Drummond, Prof Andrew Dzurak and Dr Cathy Foley						
8:50	Introduction						
9:00	Prof Mark Wiesner - Duke University, Center For The Environmental Implications Of NanoTechnology, USA <i>Nanotechnology, Environment and Risk Assessment</i>						
9:45	Keiichi Torimitsu - NTT Basic Research Laboratories, Japan, <i>Development of Biomimetic Device Based on Receptor Protein Functions</i>						
10:30	Morning Tea & ICONN 2010 Group Photo						
11:00	PARALLEL SYMPOSIUM - SESSION 4						
	SYMPOSIUM 1: Potential Health Impacts of Nanomaterials (Bayside 105) Chair: A/Prof Paul Wright	SYMPOSIUM 2A: Single NCs and QDs (Bayside 103) Chair: Dr Johan Hofkens	SYMPOSIUM 2B: CNTs II (Bayside Auditorium) Chair: Prof Plinio Innocenzi	SYMPOSIUM 3: Nanobiotech (Bayside 104) Chair: Dr Ben Boyd	SYMPOSIUM 4: Nanoelectronics (Bayside 102) Chair: Dr Frank Klose	SYMPOSIUM 7: Nanoindustry (Bayside 106) Chair: Dr Erol Harvey	
11:00	<i>Invited Speaker</i> Prof Brian Gulson Macquarie University, NSW <i>Dermal absorption of ZnO particles from sunscreens applied to humans at the beach</i>	<i>Invited Speaker</i> Prof Brahim Lounis University of Bordeaux, France <i>Optical detection and spectroscopy of individual absorbing nano-objects</i>	<i>Invited Speaker</i> Dr Mietek Jaroniec Kent State University, USA <i>Development of Microprosity in Templated Mesoporous Carbons for Advanced Applications</i>	<i>Invited Speaker</i> Dr Katsuhiko Ariga National Institute for Materials Science, Japan <i>Hierarchic Supramolecular Structures for Drug Release and Sensing</i>	<i>Invited Speaker</i> Dr Stuart Parkin IBM-Stanford Spintronic Science & Applications Center, USA <i>Racetrack Memory: dynamics of domain wall depinning</i>	<i>Invited Speaker</i> Dr Jussi Tuovinen VTT, Finland <i>Innovation Environment for Micro and Nanotechnology</i>	
11:30	Dr Megan Osmond CSIRO Food & Nutritional Sciences, NSW <i>Biological impact in mice of short- and long-term use of sunscreens containing metal oxide nanoparticles compared to those without</i>	Mr Igor Aharonovich University of Melbourne, VIC <i>Ultra Bright Single Photon Emission from Diamond Nanocrystals</i>	Mr Michele Giulianini Queensland University of Technology, QLD <i>Poly(3-hexyl-thiophene) ordered self-assembly assisted by adhesion on carbon nanotubes</i>	Dr Devika Chithrani University Health Network, Canada <i>Thousand-fold Enhancement in Intracellular Delivery of Smaller Gold Nanoparticles by Liposomal Incorporation</i>	Dr Jianchang Li Northeastern University, China <i>Metal/SAMs/Metal Molecular Junctions for Data Storage Applications</i>	Mr Michael Angliss UniQuest, QLD <i>Commercialisation and technology transfer of nanotechnology – case studies from the University of Queensland</i>	
11:45	Dr Hong Yin CSIRO Materials Science and Engineering, VIC <i>Effect of surface chemistry on cytotoxicity, reactive oxygen species (ROS), and genotoxicity induced by zinc oxide (ZnO) nanoparticles</i>	Mr Christian Potzner University of Melbourne, VIC <i>Suppressed Blinking in Graded Core/Shell Semiconductor Nanocrystals</i>	Mr Benjamin Cunning Queensland Micro- And Nanotechnology Centre Griffith University, QLD <i>One-pot covalent functionalisation of graphene</i>	Prof Dar-Bin Shieh National Cheng Kung University, Taiwan <i>Assessment of iron-core-gold-shell nanoparticles as potential novel anti-cancer agents: An in vitro and in vivo study</i>	Prof Michael Cortie University of Technology Sydney, NSW <i>Magnetic plasmons in gold semi-shells and nanorods</i>	Mr Geordie Oldfield Watermark Patent And Trade Mark Attorneys, VIC <i>The Power of Information – capitalising on intellectual assets and competitive assessment in the field of nanotechnology</i>	
12:00	Dr Bryce Feltis RMIT and Monash Universities, VIC <i>Nanoparticles, Toxicity and Inflammation in Cellular Systems</i>	Dr Craig Bullen University of Western Australia, WA <i>High Activity Phosphine-Free Selenium Source for CdSe Nanocrystal Growth</i>	Mr Mohammad Chouair University of New South Wales <i>The gram-scale synthesis of carbon onions</i>	Prof Clive Prestidge University of South Australia, SA <i>Hybrid Nano Materials Composed of Silica Nanoparticles and Lipids: Enhancing Digestion and Drug Delivery</i>	Mr Muhamma Nadeem University of New South Wales, NSW <i>Two iso-structural three-dimensional metal-organic frameworks showing long-range magnetic ordering</i>	Dr Grace Chan Phillips Ormonde Fitzpatrick, VIC <i>Patent Strategies for Nanotechnology</i>	
12:15	Mr Andrew Hastings RMIT University and CSIRO Materials Science & Engineering, VIC <i>Investigating the immunotoxicology of silver nanoparticles in vitro</i>	Dr David Clarke Industrial Research Limited, New Zealand <i>Highly luminescent LaF3:Eu3+ nanoparticles through surface modification</i>	Dr Kallista Sears CSIRO Materials Science and Engineering, VIC <i>Focused Ion Beam Milling to Reveal the Internal Structure of Carbon Nanotube Yarns</i>	Dr Simon Moulton ARC Centre Of Excellence For Electromaterials Science, NSW <i>Controlled Drug Release from Nanostructured Conducting Polymers</i>	Dr Jiabao Yi National University of Singapore, Singapore <i>Ferromagnetism in Dilute Magnetic Semiconductors through Defect Engineering: Li-doped ZnO</i>	Mr Gerald Kreindl EV Group, Austria <i>Fully Automated Hot Embossing Process Utilizing High Resolution Working Stamps</i>	
12:30	Lunch						

13:30 PARALLEL SYMPOSIA - SESSION 5						
	SYMPOSIUM 1: Regulation of Nanomaterials (Bayside 105) Chairs: A/Prof Tom Faunce and Dr Andrew Bartholomaeus	SYMPOSIUM 2A: Nanocrystals (Bayside 103) Chair: Prof Brahim Lounis	SYMPOSIUM 2B: CNTs III (Bayside Auditorium) Chair: Dr Mietek Jaroniec	SYMPOSIUM 3: Nanobiotech (Bayside 104) Chair: Dr Katsuhiko Ariga	SYMPOSIUM 4: Nanoelectronics (Bayside 102) Chair: Prof Alex Hamilton	SYMPOSIUM 6: Nanocomputation (Bayside 106) Chair: Prof Sean Smith
13:30	<i>Invited Speaker</i> A/Prof Tom Faunce Australian National University, ACT <i>Contemporary and Future Challenges for Australian Nanoregulation</i>	<i>Invited Speaker</i> Dr Johan Hofkens KU Leuven, Belgium <i>Light Induced Preparation of Silver Clusters and Particles</i>	<i>Invited Speaker</i> Prof Plinio Innocenzi University of Sassari, Italy <i>Mesoporous films: mastering the complexity by self- assembly</i>	<i>Invited Speaker</i> Prof David Lynn University of Wisconsin - Madison, USA <i>A 'Multilayered' Approach to the Delivery of DNA: Exploiting the Nanostructure and Chemical Structure of Polyelectrolyte Multilayers to Promote Surface-Mediated Cell Transfection and Tunable Multi-Agent Delivery</i>	<i>Invited Speaker</i> Prof Andrew Briggs Oxford University, UK <i>Storing information in collective spin states</i>	<i>Invited Speaker</i> Prof Peter Cummings Vanderbilt University, USA <i>The Interplay of Theory and Experiment in Nanoscience</i>
14:00	Dr Andrei Rode Australian National University, ACT <i>Laser capturing and guiding nanoparticles in air</i>	Dr Qin Li Curtin University Of Technology, WA <i>An Aqueous Route to Photoluminescent Carbon Dots for Targeting Cancer Cells</i>	Miss Monessa Nambiar Flinders University, SA <i>Peptide modified SWNT array-based copper sensor</i>	Prof Martina Stenzel University of New South Wales, NSW <i>Synthesis of nanoparticles for the delivery of platinum anti- cancer drugs</i>	Mr Liam Hall Centre for Quantum Computer Technology, University of Melbourne, VIC <i>Quantum Decoherence Imaging Using NV Centres in Diamond</i>	
14:15	Ms Nicola Hall NICNAS, NSW <i>NICNAS Regulatory Strategy for Industrial Nanomaterials</i>	Dr Yonghurk Park ETRI, Korea <i>Sonochemically grown ZnO nanorods and novel applications based on a solution process</i>	Miss Haeyoung Choi Korea Electrotechnology Research Institute, Korea <i>Stable CNT X-ray source with high current and long life time</i>	Dr Sharon Sagnella CSIRO Molecular and Health Technologies, NSW <i>Self-Assembled Nanostructured Dispersions as Therapeutic Delivery Agents</i>	Prof Jason Twamley Macquarie University, NSW <i>Scalable quantum register based on coupled electron spins in a room temperature solid</i>	Dr Maciej Haranczyk Lawrence Berkeley National Laboratory, USA <i>Approaches for Identification of Nanoporous Materials for CO2 Separation</i>
14:30	<i>Invited Speaker</i> Dr Andrew Bartholomaeus FSANZ, ACT <i>Nanotechnologies in Food, Regulatory Challenges and Responses</i>	Mr Matthew Foley Department Of Physics And Advanced Materials - Microstructural Analysis Unit, NSW <i>Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures</i>	Mr Cameron Shearer Flinders University, SA <i>Mass Transport Through Nanoporous Materials: Porous Silicon and Single Walled Carbon Nanotubes</i>	Dr Ben Boyd Monash Institute Of Pharmaceutical Sciences, VIC <i>Plasmonic switching of liquid crystalline nanostructure for external control over drug delivery</i>	Dr Charles Hill Centre for Quantum Computer Technology, University of Melbourne, VIC <i>Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid</i>	Prof Kuo-Ning Chiang Dept. Of Power Mechanical Engineering/National Tsing Hua University, Taiwan <i>A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method</i>
14:45		Dr Cuong Ton-That University of Technology Sydney, NSW <i>Cathodoluminescent and Electronic Properties of ZnO Nanoparticles</i>	Prof Zhong Zhang National Center For Nanoscience And Technology, China <i>Macro-scale Composite Cables Constructed with Single-Walled Carbon Nanotubes</i>	Dr Durga Acharya CSIRO Materials Science and Engineering, VIC <i>MRI contrast agent based on cubic phase nanoparticles</i>	Prof David Jamieson University of Melbourne, VIC <i>Deterministic doping in nanoscale devices</i>	Dr Shaoli Zhu Nanyang Technological University, Singapore <i>Effect of gold-coating on surface plasmon of silver nanostructure array</i>
15:00	Afternoon Tea					

15:30 PARALLEL SYMPOSIUM - SESSION 6						
	SYMPOSIUM 5: Nanophotonics (Bayside 105) Chair: Prof Laurie (Lorenzo) Faraone <i>Invited Speaker</i>	SYMPOSIUM 2A: Nanobiomaterials I (Bayside 103) Chair: Prof Peter Maiewski	SYMPOSIUM 2B: Nanosynthesis I (Bayside Auditorium) Chair: Prof Max Lu	SYMPOSIUM 3: Nanobiotech (Bayside 104) Chair: Prof Matt Trau	SYMPOSIUM 4: Nanoelectronics (Bayside 102) Chair: Dr Emma Mitchell	SYMPOSIUM 6: Nanocomputation (Bayside 106) Chair: Dr Shaun Hendy
15:30	Prof Tanya Monro University of Adelaide, SA <i>Towards nanostructured optical fibres: new properties and applications</i>	Mr Lee Hoffman Flinders University, SA <i>Therapeutic Applications of Gold Nanoparticle Poly(amidoamine) (PAMAM) Dendrimer Composites</i>	Dr Richard Tilley Victoria University of Wellington, New Zealand <i>Liquid Phase Synthesis of Nanocrystals</i>	Mr Darby Kozak University of Queensland, QLD <i>The Development and Validation of Novel Surfaces for Ovarian Cancer Biomarker Detection</i>	<i>Invited Speaker</i> Dr David Reilly University of Sydney, NSW <i>Spin Control at the Nanoscale</i>	<i>Invited Speaker</i> Prof Stefano Sanvito Trinity College Dublin, Ireland <i>Is DNA a metal?</i>
15:45		Dr Iraj Kazeminezhad Shahid Chamran University, Iran <i>Effect of Ultrasonic Waves on Properties of Electrooxidated Fe₃O₄ Nanoparticles</i>	Prof Guowei Yang Zhongshan (Sun Yat0sen) University, China <i>Laser Ablation in Liquid: From Nanocrystals Synthesis to Nanostructures Fabrication</i>	Dr Stuart Thickett University of Sydney, NSW <i>Lanthanide-Labeled Polymer Microspheres for Highly Multiplexed Bio-Assays Based on ICP-MS Detection</i>		
16:00	Dr Timothy Davis CSIRO Materials Science and Engineering, VIC <i>A Plasmonic Circuit for the Optical Detection of Single Molecules</i>	Mr Seet Rui Simon Ting Centre for Advanced Macromolecular Design, NSW <i>One Step Synthesis of Glyco-Nanoparticles in Water using a Glucose RAFT Stabilizer</i>	Mr Amir Moezzi University of Technology Sydney, NSW <i>Nano vs active zinc oxide</i>	Dr Simon Corrie University of Queensland, QLD <i>Getting under the skin: microprojection patch arrays for in situ biomarker detection</i>	Mr Joshua Lehr University of Canterbury, New Zealand <i>Patterning of surfaces with nanometer thick films by microcontact printing using aryldiazonium salts</i>	<i>Invited Speaker</i> Prof Mark Biggs University of Adelaide, SA <i>Towards the rational de novo design of solid-surface binding peptides for self-assembly of nano-structured materials and systems</i>
16:15	Dr Ingo Koeper Flinders University, SA <i>Stable nanostructures for plasmonic sensing</i>	Dr Danielle Kennedy CSIRO Molecular and Health Technologies, VIC <i>High throughput development of metal organic frameworks for use as MRI contrast agents</i>	Miss Leonora Velleman Flinders University, SA <i>Gold nanotube membranes; Fabrication of controlled pore geometries and tailored surface chemistries</i>	Dr Eva Hemmer Tokyo University of Science, Japan <i>Gadolinium-containing inorganic nanostructures for biomedical applications: cytotoxic aspects</i>	Dr E T Kang National University of Singapore, Singapore <i>Polymer Electronic Memories: Materials, Devices and Mechanisms</i>	
16:30	Dr Krystyna Drozdowicz-Tomsia Macquarie University, NSW <i>Plasmons in Dense Two-Dimensional Silver Nanoparticle Arrays</i>	Dr Phillip Whitten University of Wollongong, NSW <i>Biomimetic Artificial Muscles – From Nanofibers to Bundles</i>	Dr Zhen Li University of Queensland, QLD <i>Robust Solution Method to Prepare Undoped and Doped Semiconductor Nanowires</i>	Prof KoonGee Neoh National University of Singapore, Singapore <i>Tailoring Magnetic Nanoparticles for Biomedical Applications</i>	Ms Michelle Strack University of Melbourne, VIC <i>High frequency micro-mechanical cantilevers from single-crystal diamond</i>	Dr Luming Shen University of Sydney, NSW <i>On the friction of water flowing in carbon nanotubes</i>
16:45	Dr Alison Funston University of Melbourne <i>Electronic Tuning of the Surface Plasmon Resonances of Single Gold Nanorods</i>	Dr Shizhang Qiao University of Queensland, QLD <i>Core-shell Mesostructured Materials for Bio-separation and Drug/Biocide Delivery</i>	Dr Tim Kemmitt Industrial Research Limited, New Zealand <i>Solution processed Al-doped nanostructures</i>	Dr Minoo Moghaddam CSIRO Materials Science and Engineering, NSW <i>Supramolecular chelating amphiphiles and their targeted nanoparticles for MRI imaging and delivery of therapeutics</i>	Dr Narjes Gorjizadeh Tohoku University, Japan <i>Width-Dependence of Magnetic Properties of Edge-Doped Graphene Nanoribbons by Fe</i>	Dr Xiaoqiao He City University of Hong Kong, Hong Kong <i>A cellular automata simulation for the buckling behavior of carbon nanotubes</i>
17:00	Oral Sessions Conclude					
17:00	Poster Session II (& Happy Hour) - Proudly sponsored by <insert logo Realtek> Venue: Bayside Terrace					
19:00	Conference Dinner Venue: Parkside Ballroom					

8:00	Registration Open					
8:00	Exhibition Open					
	PLENARY SESSION 3 Venue: Bayside Auditorium A Chairs: Prof Calum Drummond and Prof Andrew Dzurak					
8:50	Introduction					
9:00	Michal Lipson - Cornell University , USA <i>Manipulating light on Chip</i>					
9:45	Yoshiyuki Kawazoe - Institute For Materials Research, Tohoku University, Japan <i>Paradigm Shift in Computational Materials Science</i>					
10:30	Morning Tea					
11:00	PARALLEL SYMPOSIUM - SESSION 7					
	SYMPOSIUM 5: Nanophotonics (Bayside 105) Chair: Prof Deb Kane	SYMPOSIUM 2A: Nanobiomaterials II (Bayside 103) Chair: Prof Akihiro Furube	SYMPOSIUM 2B: Nanosynthesis II (Bayside Auditorium) Chair: TBC	SYMPOSIUM 1: Education for a Safe Workplace (Bayside 104) Chair: Prof Joe Shapter	SYMPOSIUM 4: Nanoelectronics (Bayside 102) Chair: Prof Andrew Briggs	SYMPOSIUM 6: Nanocomputation (Bayside 106) Chair: Prof Peter Cummings
11:00	<i>Invited Speaker</i> Prof Richard Blaikie University of Canterbury, New Zealand <i>Nanolithography with surface plasmons: near-field and far-field implementations</i>	<i>Invited Speaker</i> Prof Wolfgang Parak Philipps Universität Marburg, Germany <i>How colloidal nano- and microparticles could contribute to medicine</i>	<i>Invited Speaker</i> Prof Zhong Zhang National Center for Nanoscience and Technology, China <i>Polymer Nanocomposites and Their Potential Applications</i>	<i>Invited Speaker</i> Dr Chuck Geraci NIOSH, USA <i>The US NIOSH Nanotechnology Research Program: Meeting the Challenge for a Safer Workplace</i>	<i>Invited Speaker</i> Prof Sven Rogge Delft University of Technology, The Netherlands <i>Bound singlet and triplet spin states of a single donor atom</i>	<i>Invited Speaker</i> Prof Ward Thompson University of Kansas, USA <i>Understanding Chemistry in Nanoconfined Solvents: What Can Spectroscopy Tell Us?</i>
11:30	Mr John Foulkes University of Canterbury, New Zealand <i>Improved performance in Absorbance Modulation Optical Lithography using a Plasmonic Reflector Layer</i>	Prof Elena Vismara Politecnico Di Milano, Italy <i>Electrostatic interactions between heparin and transition metal oxide nanoparticles</i>	Mr Anishur Rahman University of South Australia, SA <i>A Novel Method for Synthesis of Gd₂O₃ Nanoparticles</i>	Dr Neale Jackson RMIT and Monash Universities, VIC <i>Engineered Nanomaterials: Evidence on the Effectiveness of Workplace Controls to Prevent Exposure</i>	Mr Jan Verduijn Delft University Of Technology, The Netherlands <i>Observation of a Fano resonance in transport through a double donor system in Si</i>	Dr Marco Califano University of Leeds, United Kingdom <i>Carrier multiplication in CdSe nanocrystals: the book isn't closed yet</i>
11:45	Dr Kristy Vernon CSIRO Materials Science and Engineering, VIC <i>Plasmon-induced dark modes between gold nanoparticles</i>	Dr Lakshman Randeniya CSIRO Materials Science and Engineering, NSW <i>Thin-film composites of diamond-like carbon and nanocrystalline zirconium oxide; structure and osteoblasts viability</i>	Miss Kunlanan Kiatkittipong ARC Centre Of Excellence For Functional Nanomaterials, NSW <i>Investigating Preparation Parameters During Titanium Oxide Nanoribbon Synthesis</i>	A/Prof Paul Wright RMIT University, VIC <i>Engineered Nanomaterials: Potential substitution and modification options to reduce hazard</i>	Dr Steven Schofield University College London, United Kingdom <i>Attaching Organic Molecules to Silicon: Toward Single Molecule Conductance</i>	Prof Debra Bernhardt Griffith University, QLD <i>Thermodynamics of Small Systems</i>
12:00	Dr Dragomir Neshev Australian National University, ACT <i>The study of transmission properties of tri-layer fishnet metamaterial</i>	Dr Yen Truong CSIRO Materials Science and Engineering, VIC <i>The effect of fibre alignment of electrospun membranes on fibroblast cell adhesion - a comparison between smooth and textured fibres</i>	Dr Selvi Dev University of Western Australia, WA <i>Process Intensification: Nano Hydroxyapatite Precipitate using Rotating Tube Processing</i>	Dr Jurg Schutz CSIRO Materials Science and Engineering, VIC <i>Synthetic aerosols from fine carbon nanotubes of 10 nanometres diameter</i>	Dr David Simpson University of Melbourne, VIC <i>Manipulation of diamond nano-crystals onto photonic devices</i>	Dr Ramzi Kutteh ANSTO, NSW <i>Stokesian dynamics simulation of sub-micron hydrodynamically interacting nonspherical particles</i>
12:15	Dr Robert Carman Macquarie University, NSW <i>Development of incoherent EUV/VUV light sources: tailoring the output pulse characteristics for materials processing applications</i>	Dr Margaret Butler Australian Institute for Bioengineering and Nanotechnology, QLD <i>Fluorescent Layered Double Hydroxide Nanoparticles for Biological Studies</i>	Mr Domagoj Belic University of Canterbury, New Zealand <i>Size-controlled chiral bimetallic nanoclusters</i>	Mrs Francesca Calati La Trobe University, VIC <i>AccessNano: Enabling access to Nanotechnologies in Australian Schools</i>	Prof Alex Hamilton University of New South Wales, NSW <i>Radio-frequency reflectometry for high speed, low noise measurements of strongly interacting 2D hole systems</i>	Mr Alireza Seyed-Razavi RMIT University/CSIRO, VIC <i>The Coarsening mechanism as described by the BCF and LSW Theories</i>

12:30	Lunch					
13:30	PARALLEL SYMPOSIA - SESSION 8					
	SYMPOSIUM 5: Nanophotonics (Bayside 105) Chair: Prof Min Gu	SYMPOSIUM 2A: NanoFabrication I (Bayside 103) Chair: Prof Wolfgang Parak	SYMPOSIUM 2B: Nanosynthesis III (Bayside Auditorium) Chair: Prof Zhong Zhang	SYMPOSIUM 1: Nanotechnologies in Society, Health & the Environment (Bayside 104) Chair: TBA	SYMPOSIUM 4: Nanoelectronics (Bayside 102) Chair: Prof Sven Rogge	SYMPOSIUM 6: Nanocomputation (Bayside 106) Chair: Prof Stefano Sanvito
13:30	<i>Invited Speaker</i> Prof Sanjay Krishna University of New Mexico, USA <i>Infrared Retina: Enhanced Functionality in the Pixel</i>	<i>Invited Speaker</i> Prof Michael Giersig Freie Universitaet Berlin, Germany <i>Nanosphere Lithography Principle Applied to the Design of nanomaterials different morphology, electronic and optic properties</i>	<i>Invited Speaker</i> Prof Yasuro Niidome Kyushu University, Japan <i>Photochemical Synthesis and Surface Analysis of Gold Nanorods</i>	Mr Peter Chesworth Dept Of Innovation, Industry, Science And Research, ACT <i>Regulation of Nanotechnologies: An Australian Government view on the recent changes and upcoming challenges</i>	<i>Invited Speaker</i> Michelle Simmons Centre for Quantum Computer Technology, University of New South Wales, NSW <i>Spectroscopy of Few Electron Single Crystal Silicon Quantum Dots</i>	<i>Invited Speaker</i> Prof Jinlong Yang University of Science and Technology of China, China <i>Nearly Free Electron States in Graphene Nanoribbon Superlattices.</i>
14:00	Rob Van Der Heijden COBRA Research Institute, The Netherlands <i>Optofluidic tuning of Quantum Dot incorporated InGaAsP Photonic Crystal Nanocavities</i>	Miss Azzuliani Supangat University of Newcastle, NSW <i>Low-temperature Synthesis of Carbon Nanostructure by Thermal Chemical Vapor Deposition on Indium Tin Oxide (ITO)-coated glass of Iron catalyst</i>	Mr Johnathan Edgar University of Technology Sydney, NSW <i>Synthesis of highly anisotropic gold nanoparticles</i>	Panel Discussion	Dr Giordano Scappucci Centre for Quantum Computer Technology, University of New South Wales, NSW <i>Towards atomic-scale devices in Ge fabricated in ultra-high vacuum by scanning-tunneling microscopy</i>	Dr Karl-Heinz Muller CSIRO Materials Science and Engineering, NSW <i>Modeling thermoelectric properties of assemblies of nanocrystals</i>
14:15	Mr Xin Gai Australian National University, ACT <i>High-Q chalcogenide photonic crystal cavities produced by E-beam lithography and photosensitivity</i>	Ms Amanda Rider University of Sydney, NSW <i>Simulation of the ion-assisted growth of ordered Ge self-assembled quantum dot arrays on Si(100) : A "nano-minefield" approach</i>	Dr Andrew Vogt Flinders University, SA <i>Single-Walled Carbon Nanotube Attachment to Silicon via Click Chemistry and RAFT</i>		Mr Jason Chen University of New South Wales, NSW <i>The dependance of Zeeman spin-splitting on the magnetic field orientation in hole quantum wires fabricated on a (100) AlGaAs/GaAs heterostructure</i>	A/Prof Rodion Belosludov Tohoku University, Japan <i>Metal-Organic Framework Materials for Gas and Drug Separation: Theoretical Study</i>
14:30	Dr Stefania Castelletto University of Melbourne, VIC <i>Quantum Optics of Novel Color Centers in Nanodiamonds</i>	Dr Ari Ramelan Sebelas Maret University, Indonesia <i>MOCVD-Grown GaSb Quantum Dots and Its Microanalysis Using X-ray Photoelectron Spectroscopy (XPS)</i>	Dr Paolo Falcaro CSIRO Materials Science and Engineering, VIC <i>Effect of surfactants in zinc-based metallorganic framework synthesis: a sphere inside a cube</i>		Dr Floris Zwaneburg University of New South Wales, NSW <i>Observation of the single-electron regime in a highly tunable silicon quantum dot</i>	Dr Tamsyn Hilder Australian National University, ACT <i>Mimicking biological ion channels using boron nitride nanotubes</i>
14:45	Dr Mark Fernee University of Queensland, QLD <i>Charge and spin properties of semiconductor nanocrystals revealed by spectral fine structure</i>	Mr Jung-Hyun Kang Australian National University, ACT <i>Vertical GaAs Nanowires Grown on Si substrates Coated with Buffer Layers</i>	Ms Xiaoxue Xu University of Western Australia, WA <i>Micro-sized copper single crystalline plates synthesized via a hydrothermal process</i>		Mr Bent Weber Centre for Quantum Computer Technology, University of New South Wales, NSW <i>Atomic-scale Si:P dopant wires</i>	Dr Aijun Du University of Queensland, QLD <i>Predicting the Synthesis of Specific Type of Single Walled C or C/BN Nanotube through the Graphene or Boron Nitride Nanoribbons</i>
15:00	Afternoon Tea					
15:30	Exhibition Closed					

15:30 PARALLEL SYMPOSIUM - SESSION 9						
	SYMPOSIUM 5: Nanophotonics (Bayside 105) Chair: Prof Laurie (Lorenzo) Faraone Mr Ahmad Ashrif A Bakar School of ITEE, QLD	SYMPOSIUM 2A: NanoFabrication II (Bayside 103) Chair: Mr Jim Williams	SYMPOSIUM 2B: Measurement I (Bayside Auditorium) Chair: Dr Anita Hill	SYMPOSIUM 2C: Electrochemistry I (Bayside 104) Chair: TBA	SYMPOSIUM 4: Nanoelectronics (Bayside 102) Chair: Prof Paul Meredith	SYMPOSIUM 6: Nanocomputation (Bayside 106) Chair: Prof Salvy Russo
15:30	Mr Hai Wang Sun Yat-Sen University, China <i>Synthesis of one-dimensional nanomaterials and their application in dye-sensitized solar cells based on all Ti</i>	Dr Qiang Gao Australian National University, ACT <i>Influence of growth conditions on the morphology and crystal structure of InP nanowires</i>	Dr Anita Hill CSIRO Materials Science and Engineering, VIC <i>Designing Nanoscale Porosity in Membranes</i>	Mr Ian Goon ARC Centre Of Excellence For Functional Nanomaterials, NSW <i>Gold-Coated Magnetic Nanoparticles as 'Electrodes Without Wires' for Improved Electrochemical Sensor Platforms</i>	<i>Invited Speaker</i> Dr Scott Watkins CSIRO Molecular and Health Technologies, VIC <i>Organic solar cells based on small molecule, polycyclic aromatic compounds: materials and interfaces</i>	<i>Invited Speaker</i> Prof Aibing Yu University of New South Wales, NSW <i>Molecular modeling of clayed based nanocomposites</i>
15:45	Dr Peter Reece University of New South Wales, NSW <i>Optical Trapping and Characterisation of Semiconductor Nanowires</i>	Dr Hadi Zareie University of Technology Sydney, NSW <i>Patterning Nanostructures For ZnO Nanorod Growth</i>	Dr Geoff Willmott Industrial Research Limited, New Zealand <i>Pressure dependence of particle transport through resizable nanopores</i>	Mr Blake Plowman RMIT University, VIC <i>Electrochemical Formation of Platinum Nanostructures for Fuel Cell Applications</i>	Dr Michael Toney Stanford Synchrotron Radiation Lightsource, USA <i>Nanoscale Morphology of Bulk Heterojunctions in Organic Photovoltaics</i>	Dr Shaun Hendy Industrial Research Limited, New Zealand <i>The rolling of droplets on superhydrophobic surfaces</i>
16:00	Dr Lan Fu Australian National University, ACT <i>Study of strain compensation effect on quantum dot solar cells</i>	Miss Maria Messing Lund University, Sweden <i>A comparative study on the effect of gold particle type on nanowire growth</i>	Dr Tamar Greaves CSIRO Molecular and Health Technologies, VIC <i>Small angle X-ray scattering (SAXS) investigation of the nanostructure of protic ionic liquids, with and without added surfactants</i>	Mr Te-Ming Kung National Cheng Kung University, Taiwan <i>Effect of Cu ions on the microstructure of Cu oxide formation in electro-polishing processes</i>	Dr Nicola Gaston Industrial Research Limited, New Zealand <i>Superheating of gallium clusters: curious properties of a molecular metal</i>	
16:15	Miss Hannah Jane Joyce Australian National University, ACT <i>Defect-Free GaAs and InAs Nanowires for Optoelectronic Device Applications</i>	Mr Peter Felfer University of Sydney, NSW <i>Fabrication of atom probe samples from interfaces with a focused ion beam: working with precision in the sub 100nm world</i>	Miss Aurelia Dong CSIRO Materials Science and Engineering, VIC <i>Application of PALS to understand structure in self-assembled systems: Investigations with a dilutable microemulsion</i>	Mr Suriya Ounnunkad ARC Centre of Excellence For Electromaterials Science, NSW <i>Superior Electrochemical Platforms based on Polymer Carbon Nanotube Composite Electrodes</i>	Dr Haibo Guo CSIRO Materials Science and Engineering, VIC <i>Tribochemistry of diamond surfaces: monolayer changes friction</i>	
16:30	Mr Pawel Kowalczyk University of Canterbury, New Zealand <i>STM investigations of Bi islands deposited on HOPG</i>	Mr Gregory Staib Macquarie University, NSW <i>Optical Surface Profilometry and AFM of Spider Web Silks</i>	Mr Mingliang Wang University of Western Australia, WA <i>Electrochemical deposition of Co-Ni alloy nanowires</i>	Dr Jacek Jasieniak CSIRO Materials Science and Engineering, VIC <i>Hybrid Inorganic/Organic Semiconductor Solar Cells: Effects of Modifying the Surface Chemistry of the Inorganic Component</i>		
16:45	Mr Aaron Thornton University of Wollongong, NSW <i>A Mathematical Investigation into Nanoscale Gas Separation: Effects of Pore Size and Temperature</i>	Mr Ylias Sabri RMIT University, VIC <i>Gold Nanoprisms Based QCMs as Sensitive and Selective Hg Vapor Sensors</i>	Dr Nan Zeng CSIRO Materials Science and Engineering, VIC <i>Flash-Illuminated Gold Nanoparticle Heating and Heat Transfer in a Porous System</i>			
17:00	Oral Sessions Conclude					
17:00	Poster Session III (& Happy Hour) - <insert supported by QLD Govt logo> Venue: Bayside Terrace					
19:00	OECD program for the safety testing of manufactured nanomaterials - meeting for the Australian consortium, and interested parties Venue: Bayside 106					

8:00	Registration Open					
9:00	PARALLEL SYMPOSIA - SESSION 10					
	SYMPOSIUM 5: Nanophotonics (Bayside 105) Chair: Dr Hoe Tan	SYMPOSIUM 2A: Nanomaterials I (Bayside 103) Chair: Dr Kostya Ostrikov	SYMPOSIUM 2B: Nanomaterials II (Bayside Auditorium) Chair: Prof Colin Raston	SYMPOSIUM 2C: Nanomaterials III (Bayside 104) Chair: Prof Yasuro Niidome	SYMPOSIUM 4: Nanoelectronics (Bayside 102) Chair: Dr Stuart Parkin	SYMPOSIUM 6: Nanocomputation (Bayside 106) Chair: Prof Karl-Heinz Muller
9:00	<i>Invited Speaker</i> Prof David Officer University of Wollongong, NSW <i>Saving the planet with nanostructured porphyrins</i>	<i>Invited Speaker</i> Prof Akihiro Furube National Institute of Advanced Industrial Science and Technology, Japan <i>Ultrafast plasmon-induced electron transfer dynamics in gold-TiO₂ nanoparticle</i>	<i>Invited Speaker</i> Dr Chiara Neto University of Sydney, NSW <i>Reliable measurements of slip using the AFM</i>	<i>Invited Speaker</i> Prof Colin Raston University of Western Australia, WA <i>Controlling the Assembly of Fullerenes into Nanowhiskers and Nanotoroids</i>	<i>Invited Speaker</i> Prof Robert Stamps University of Western Australia, WA <i>Domain wall dynamics and high frequency excitations in multilayered and patterned ferroics</i>	<i>Invited Speaker</i> Prof Shengbai Zhang Rensselaer Polytechnic Institute, USA <i>Energetics and idealism versus kinetics and realism: First-principles theory of graphene oxides</i>
9:30	Mr Nicholas Stokes Institute For Nanoscale Technology, NSW <i>Novel nanoparticle-based gold coatings for solar glazing</i>	PRESENTER TBC	Ms Barbara Fairchild University of Melbourne, VIC <i>The graphite/diamond interface in ion implanted single crystal diamond</i>	Dr Dinesh Kumar Venkatachalam Australian National University, ACT <i>Size controlled growth of silica nanowires by thermal decomposition of thin gold films on silicon</i>	Dr Anthony Morfa University of Melbourne, VIC <i>ZnO from Nanoparticle Inks</i>	Prof John Dobson Griffith University, QLD <i>Dispersion Forces In Nanostructures: Beyond Pairwise-Additive Theories</i>
9:45	Mr Craig Johnson University of New South Wales, NSW <i>Up-conversion of near-infrared light in erbium-doped porous silicon for photovoltaics</i>	Dr Yonggang Zhu CSIRO Materials Science and Engineering, VIC <i>Negative capillary pressure of -17 bar in nanochannels: fact or myth?</i>	Mr Carlo Bradac Macquarie University, NSW <i>Prediction and Measurement of the Size Dependent Stability of Fluorescence in Nano-Scale Diamonds</i>	Dr Matthias Karg University of Melbourne, VIC <i>Controlled 2D arrangements of inorganic/organic core-shell hybrid particles</i>	Dr Andrew McDonagh University of Technology Sydney, NSW <i>Laser ablation of thin films on gold surfaces: an effective tool for thin film characterization</i>	Dr Hong Zhang University of Queensland, QLD <i>Computer Simulation of Hybrid Organic-Inorganic Nanoparticles in siRNA Delivery Applications</i>
10:00	Mr Ting Han Australian National University, ACT <i>Low loss chalcogenide glass waveguides fabricated by thermal nanoimprint lithography</i>	Prof John Sader University of Melbourne, VIC <i>Energy Dissipation in Microfluidic Resonators</i>	Dr Eskender Mume Australian National University, ACT <i>Nuclear Sensors for Assessing the Binding Properties of Porous Materials</i>	Dr Erden Sizgek CSIRO Materials Science and Engineering, NSW <i>Design of Oxides and carbones with Hierarchical Porosity For Nuclear Separations</i>	Mr Thomas Saerbeck University of Western Australia, WA <i>A New Approach to the Creation of Magnetically Modulated Structures</i>	Dr Christopher Escott Centre For Quantum Computer Technology, NSW <i>Tunnelling rates in silicon qubit devices</i>
10:15	Mr Venkatesan Dhanasekaran Anna University Chennai, India <i>Preparation and Characterization of Rare Earth (Pr, Nd) doped ZnO nanoparticles</i>	Dr Chuanpin Chen CSIRO Materials Science and Engineering, VIC <i>Microfluidic Method for Synthesis of Monodisperse Gold Nanoparticles</i>	Mr Lucas Johnson Flinders University, SA <i>Microphase Separated Block Copolymers as Templates for the Directed Cross-Phase Assembly of Segmented Nanorods</i>	Mr Mohammadreza Khorasaninejad University of Waterloo, Canada <i>APDMS Mediated Self-Assembly of Alumina Quantum Dot Spheres</i>	Mr Khalid Muhieddine University of New South Wales, NSW <i>Novel Annealing Processes for Soluble Acenes</i>	Dr Ahmad Reza Oliayey Islamic Azad University, Tonekabon Branch, Iran <i>Spin polarized bonding analysis of endohedral Boron nitride nanocage: Density functional theory study</i>
10:30	Morning Tea					
	PLENARY SESSION 4 AND CONFERENCE CLOSING Venue: Bayside Auditorium A Chairs: Prof Calum Drummond, Prof Andrew Dzurak and Dr Cathy Foley					
11:00	John Boland - Trinity College Dublin, Ireland <i>Controlling Connectivity on the Nanoscale: A Route to Designer Materials and Novel Devices</i>					
11:45	Presenter TBC					
12:30	Conference Closing					
13:00	Conference Concludes					
13:30	Post Conference Tours Depart					