11:30 nanoparticulate CeO2 to aquatic organisms Quantum Dots and Surface Plasmons Mesoporous Silica Polyisocyanopeptide Nanoworms nanoparticles using nanoSQUIDs	SYMPOSIUM 7: Nanoindustry (Bayside 106) Chair: Prof Abid Khan Invited Speaker Prof Ian Boyd Melbourne Centre for Nanofabrication, VIC Presentation title TBA Mr Charles Mire University of Wollongong, NSW
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 9:45 Michael Roukes - Kavil 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: Tor Graeme Batley Invited Speaker Prof Mark Wiesner Duke University, USA Physical-chemical factors controlling nanoparticle exposure, transformation and reactivity Physical-chemical factors controlling nanoparticle exposure, transformation and reactivity Dr Nicola Rogers CSIRO Land & Water, NSW Dr Nicola Rogers CSIRO Molecular & Health Technologies, VIC Light-induced toxicity of nanoparticulate CeO2 to aquatic organisms Venue: Bayside Auditorium) Anatose TiO2 with A colour gamu to f plasmonic nanoparticles Colour gamu to f plasmonic nanoparticles CSIRO Molecular & Anatase TiO2 with A colour gamu to f plasmonic nanoparticles CSIRO Molecular & Health Technologies, VIC Coherent Coupling of plasmonic nanoparticles in Colloidal Quantum Dots and Surface Plasmons Mesoporous Silica Venue: Bayside Auditorium) Anatose TiO2 with A Chair: Prof Frank Carus (Bayside 104) Chair: Prof Frank Carus (Bayside 104) (Bayside 104) (Bayside 105) Chair: Prof Frank Carus (Bayside 104) (Bayside 104) (Bayside 105) (Chair: Prof Frank Carus (Bayside 106) (Chair: Prof Frank Carus (Bayside 107) (Chair: Prof Frank Carus (Bayside 108) (Bayside Auditorium) (Bayside Auditorium) (Bayside 104) (Bayside 105) (Chair: Prof Frank Carus (Bayside 104) (Bayside 106) (Bayside 107) (Chair: Prof Frank Carus (Bayside 108) (Bayside 109) (Chair: Prof Frank Carus (Bayside 109) (Chair: Prof Frank Carus (Bayside 109) (Bayside 109) (Chair: Prof Frank Carus (Ba	Nanoindustry (Bayside 106) Chair: Prof Abid Khan Invited Speaker Prof Ian Boyd Melbourne Centre for Nanofabrication, VIC Presentation title TBA Mr Charles Mire University of
CONFERNCE OPENING AND PLENARY SESSION 1 Venue: Bayside Auditorium A	Nanoindustry (Bayside 106) Chair: Prof Abid Khan Invited Speaker Prof Ian Boyd Melbourne Centre for Nanofabrication, VIC Presentation title TBA Mr Charles Mire University of
Chairs: Prof Calum Drummond, Prof Andrew Dzurak and Dr Cathy Foley 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 Manipulating single spins and coherence in semiconductors	Nanoindustry (Bayside 106) Chair: Prof Abid Khan Invited Speaker Prof Ian Boyd Melbourne Centre for Nanofabrication, VIC Presentation title TBA Mr Charles Mire University of
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	Nanoindustry (Bayside 106) Chair: Prof Abid Khan Invited Speaker Prof Ian Boyd Melbourne Centre for Nanofabrication, VIC Presentation title TBA Mr Charles Mire University of
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9:00 David Awschalom - University of California, Santa Barbara, USA Manipulating single spins and coherence in semiconductors Michael Roukes - Kavil Nanoscience Institute, Caltech, USA Presentation Title TBC 10:30 Morning Tea 11:00 PARALLEL SYMPOSIA - SESSION 1 SYMPOSIUM 1: SYMPOSIUM 2A: SYMPOSIUM 2B: Nanomaterials and the Environment (Bayside 105) (Bayside 103) (Bayside Auditorium) (Bayside 104) (Chair: Prof Loyd Hollenberg Prof Mark Wiesner Duke University, USA University of Technology Sydney 11:00 Parallel Symposium 1: Symposium 2A: Symposium 2B: Nanobiotech Nanoelectronics	(Bayside 106) Chair: Prof Abid Khan Invited Speaker Prof Ian Boyd Melbourne Centre for Nanofabrication, VIC Presentation title TBA Mr Charles Mire University of
9:00 David Awschalom - University of California, Santa Barbara, USA Manipulating single spins and coherence in semiconductors Michael Roukes - Kavli Nanoscience Institute, Caltech, USA Presentation Title TBC 10:30 Morning Tea 11:00 PARALLEL SYMPOSIUA - SESSION 1 SYMPOSIUM 1: SYMPOSIUM 2A: Excitons & Plasmons Environment (Bayside 105) (Bayside 103) (Bayside Auditorium) (Bayside 105) (Chair: Dr Graeme Batley Chair: TBC Chair: Prof Chengzhong University of Science and Technology, China Physical-chemical factors controlling nanoparticle exposure, transformation and reactivity plasmonic nanoparticles plasmonic nanoparticles (SCIRO Molecular & Health Technologies, VIC Nanomaterials, QLD Light-induced toxicity of nanoparticulete CeO2 to aquatic organisms David Awschalom - University LSA Michael Contect (No. A Presentation Title TBC (Presentation Title TBC) SYMPOSIUM 3: Nanobiotech Nanobiotech (Bayside 104) (Bayside 104) (Bayside 102) (Chair: Prof Lunder Invited Speaker Prof Read Invited Speaker Prof Read Invited Speaker Prof Read Invited Speaker Prof Read Invited Speaker Prof Rua Gui Yang East China University of Science and Technology, China University of Twente, Japan University of Twente, The Netherlands Prof Hana Hilgenkamp University of Twente, The Netherlands of Receptor Protein Insulating, non-magnetic oxides Dr Nicola Rogers CSIRO Molecular & Large Percentage of Prof Alan Rowan University of Nijmegen, NSW Health Technologies, VIC Nanomaterials, QLD University of Nijmegen, The Netherlands Polysocyanopeptide and Engineering, NSW Magnetisation Nanomorms (SIRO Magnetisation Nanoworms Polysocyanopeptide Nanomorms Na	(Bayside 106) Chair: Prof Abid Khan Invited Speaker Prof lan Boyd Melbourne Centre for Nanofabrication, VIC Presentation title TBA Mr Charles Mire University of
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10:30 Morning Tea 11:00 PARALLEL SYMPOSIUM 1: SYMPOSIUM 1: Nanomaterials and the Environment (Bayside 105) Chair: Dr Graeme Batley Invited Speaker Prof Mark Wiesner Duke University, USA Sydney 11:00 Physical-chemical factors controlling nanoparticle exposure, transformation and reactivity Dr Nicola Rogers CSIRO Land & Water, NSW Light-induced toxicity of nanoparticlate aquatic organisms Light-induced toxicity of nanoparticle exposures aquatic organisms Neso/Nano silica SYMPOSIUM 2: SYMPOSIUM 3: Nanobiotech Nan	(Bayside 106) Chair: Prof Abid Khan Invited Speaker Prof lan Boyd Melbourne Centre for Nanofabrication, VIC Presentation title TBA Mr Charles Mire University of
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(Bayside 105) Chair: Dr Graeme Batley Chair: TBC Chair: Prof Chengzhong Yu Invited Speaker Prof Mark Wiesner Duke University, USA Physical-chemical factors controlling nanoparticle exposure, transformation and reactivity Dr Nicola Rogers CSIRO Land & Water, NSW Light-induced toxicity of nanoparticulate CeO2 to aquatic organisms (Bayside 103) (Bayside Auditorium) Chair: Prof Chengzhong Yu Invited Speaker Prof Menked Geoker Prof Mark Wiesner Prof Michael Cortie University of Technology Sydney Invited Speaker Prof Meichi Torimitsu NTT Basic Research, Japan University of Twente, The Netherlands Large Percentage of foots of Receptor Protein Functional Nanomaterials, QLD Nanomaterials, QLD Nanomaterials, QLD 11:30 (Bayside 104) (Chair: Prof Frank Caruso Prof Hua Gui Yang East China University of Science and Technology, China Invited Speaker Prof Keiichi Torimitsu NTT Basic Research, Japan University of Twente, The Netherlands Structure and Functions of Receptor Protein Functional Nanomaterials, QLD Nanomaterials, QLD Nanomaterials, QLD Nanomaterials, QLD 11:30 11:30 Nanomaterials Colorie Prof Alan Rowan University of Nijmegen, The Netherlands CSIRO Materials Science and Engineering, NSW Magnetisation Magnetisation Magnetisation Magnetises using nanoSQUIDs	Invited Speaker Prof lan Boyd Melbourne Centre for Nanofabrication, VIC Presentation title TBA Mr Charles Mire University of
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Hollow Nanospheres delivery'	
with Tunable Size	
Prof David Waite Mr George Lee Dr Dehong Chen Dr Mikhail Kostylev	Mr Gerald Kreindl
The University of New Intelligent Polymer Melbourne University, South Wales NSW Research Institute NSW Australia WA	EV Group, Austria
South Wales, NSW Research Institute, NSW VIC Australia, WA	35 nm Half Pitch Step
Oxidative Contaminant Photomorphic Silver Long chain alkyl amine Microwave collective	and Repeat Imprinting
11:45 Degradation by Nanoparticles templated synthesis of dynamics of arrays of	utilizing polymeric
Nanoparticulate Zero mesostructured titania- dipole coupled magnetic	stamps from EUV-IL
Valent Iron in the based oxide nanoelements	fabricated templates
Absence and Presence of microspheres and their	
Selected Redox Catalysts application	
Ms Heather Pace Dr Kristy Vernon Mr Tae-Hyun Kim Prof Gordon Wallace Dr Karl-Heinz Muller	Dr Takuya Tsuzuki
Colorado School of CSIRO Materials Science Australian National University Of CSIRO Materials Science	Deakin University, VIC
Mines, USA and Engineering, VIC University, ACT Wollongong, NSW and Engineering, NSW	Current Trand in the
12:00 Advanced Methods to Effective Background The synthesis and Organic Nanobionics - A Electron transport in	Current Trend in the Commercial Production
Characterize Inorganic Permittivity of properties of silica and New Capability nanoparticle assemblies	Methods of Inorganic
Nanomaterials for nanoparticles on hybrid metal-silica	Nanoparticles
Environmental Toxicity Substrates nanostructures	
Studies Dr Geert Cornelis Miss Julia Baldauf Dr Jeremy Wu Dr Marc In Het Panhuis Dr Timothy Duty	Mr Clive Davenport
University of Adelaide, University of Melbourne, Industrial Research University of University of	CSIRO Future
	Manufacturing Flagship,
	VIC
12:15 Dissolution and Exciton-Plasmon Template-assisted Conducting hydrogel Phase-flip transitions	
Partitioning of coupling between a Fabrication of bio-materials and amplification in a	Plastic Banknotes to
Manufactured single CdSe/CdS- Nanomaterials and Their parametric oscillator	Printed Solar Cells: Printing a Sustainable
Nanoparticles in the nanocrystal and a single Applications based upon a SQUID- Terrestrial Environment Au-particle tunable microwave	PHIHIHI II SHSTAINANIA
resonator	
12:30 Lunch	Future

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

15:30	PARALLEL SYMPOSIUM -	SESSION 3				
	SYMPOSIUM 1: Societal		SYMPOSIUM 2B:	SYMPOSIUM 3:	SYMPOSIUM 4:	SYMPOSIUM 7:
	Impact and Governance	Nanomaterials I	CNTs etc	Nanobiotech	Nanoelectronics	Nanoindustry
	of Nanotechnologies (Bayside 105)					
	Chair: Prof Susan Dodds	(Bayside 103)	(Bayside Auditorium)	(Bayside 104)	(Bayside 102)	(Bayside 106)
	Cilaii. Fioi Susaii Douus	Chair: Prof Paul	Chair: Prof Michael	Chair: Prof Gordon	Chair: Prof David	Chair: Mr John Miles
		Mulvaney	Cortie	Wallace	Jamieson	
	Invited Speaker	Mr Mark Bissett	Dr Jeon-Kook Lee	Dr Kumar Penmetcha	Invited Speaker	Invited Speaker
	Prof Linda Nielson University of	Flinders University, SA	Korea Insititute of	AIST, JAPAN	Prof Paul Meredith University of	Dr Jan Herrmann
	Copenhagen, Denmark	Photocurrent Response	Science and Technology, Republic of Korea	A BioDVD platform for	Queensland, QLD	National Measurement Institute, NSW
	copermagen, bernnark	from Vertically Aligned	Republic of Roled	monitoring various	Queensiana, QEB	motitute, NOV
15:30	Nanotechnology and	Single-walled Carbon	Electrical Conductivity	biomolecular	New Materials for Next	Traceable Nanoscale
	regulation – Challenges,	Nanotube Arrays	Improvement of	interactions and its	Generation Organic	Length Metrology at
	dilemmas and the EU		Transparent Conductive	application in molecular	Solar Cells	NMI: Scanning Probe
	approach		Carbon Nanotube Films	diagnosis		Microscopy
		PRESENTER TBC	Dr Pascal Boulanger	Dr Yen Nee Tan Institute of Material		
			CEA Saclay, France	Research and		
			Nanomembranes made	Engineering, Singapore		
15:45			of Aligned Carbon			
			Nanotubes carpets by	A Gold-Nanoparticles-		
			aerosol assisted CCVD :	Based Biosensing Assay		
			growth, impregnation,	for Protein-DNA		
	1/2 (3)		functionalisation and	Interactions	2 % 12 111	
	A/Prof Simon Brown University of Canterbury,	Prof Marek Osinski University of New	Dr Canh-Dung Tran CSIRO Materials Science	Mr Bastian Rapp Karlsruhe Insitut Of	Dr Yuri Pashkin Nano Electronics	Mr Malcolm Lawn National Measurement
	New Zealand	Mexico, USA	and Engineering, VIC	Technology KIT /	Research Laboratories	Institute, NSW
			aagg,e	Forschungszentrum	NEC Corporation,	modetate) no m
	Governance of	Synthesis and	Spinning CNT based	Karlsruhe, Germany	Ibaraki, Japan	A Metrological
	Nanotechnologies:	Characterization of	Composite Yarns using a			Intercomparison of
16:00	Avoiding the New Deficit	Lanthanide Halide	dry spinning process	An indirect diffusion free	Conventional single-	Atomic Force
10.00	Model	Scintillating Nanocrystals for Gamma		mircofluidic flow injection analysis (FIA)	electron transistor as a detector of its	Microscopes
		Radiation Detection		system as fluidic	nanomechanical motion	
		ndaration beteetion		platform for biosensor	Transmeen ameer motion	
				sensor systems as		
				demonstrated with an 8-		
				fold surface acoustic		
	-	Dr Joel van Embden	Mr Ludovic Dumee	wave (SAW) hiosensor Dr Bernhard Wolfrum	Mr Nadim Darwish	Dr Patrick Trimby
		Swinburne University Of	CSIRO Materials Science	Forschungszentrum	University of New South	Australian Key Centre
		Technology, VIC	and Engineering, VIC	Jülich, Germany	Wales, NSW	For Microscopy And
		_ , , , , , , , , , , , , , , , , , , ,	_, , , ,,		5 44 34	Microanalysis, NSW
16:15		Band-edge and Higher- order Electronic	Thermal properties of carbon nanotube macro	Chip-based nanogap sensors for localized	Probing the Electrochemical Double	Assessing the accuracy,
		Transitions in Wurtzite	structures	electrochemical	Layer Using	precision and long-term
		CdSe/CdS	oti actares	detection of	Norbornylogous Bridges	stability of length
		Heterostructure		neurotransmitters in real-		measurements using
		Nanocrystals		time	Anthraquinone Head	electron microscopy
	Ms Georgia Miller	Dr Qijin Cheng	Dr Duangkamon Baowan		Dr Jonathan Bould	Dr Howard Morris
	Friends of the Earth Australia, TAS	CSIRO Materials Science and Engineering, NSW	Mahidol University, Thailand	India	Academy of Sciences of The Czech Republic,	Safe Work Australia, ACT
	Australia, TAS	and Engineering, NOW	manana	Fe - implanted ZnO Thin	Czech Republic	Development of
	Nanotechnology and	Silicon quantum dots	Encapsulation of TiO2	film for Mediator-less		International Health,
16:30	governance: The need to	embedded in an	nanoparticles into	Third generation	Self-assembled Thin	Safety and Environment
	address broader social	amorphous silicon	carbon nanotubes	Biosensor	Layer Inorganic and	Standards for
	dimensions	carbon matrix prepard			Inorganometallic	Nanotechnologies
		by high-density inductively coupled			Compounds on Metal Surfaces	
		plasmas			Julyuces	
	Dr Craig Cormick	Ms Jinfeng Wang	Dr Cara Doherty	Prof John W White	Prof Michael James	Dr Gerry Triani
	Department Of	Deakin University	CSIRO Materials Science	Australian National	Australian Nuclear	ANSTO, NSW
	Innovation, Industry,		and Engineering, VIC	University, ACT	Science And Technology	
	Science And Research,	Fabrication of Highly	A4 /2-	.,	Organisation, NSW	Atomic layer deposition
46.5=	ACT	Loaded Zinc Oxide/Silica Core Shell Nanospheres	Meso/Macroporous Monolithic	Nanostructure of the 'Protein-nanoparticle	Water, Water	and characterisation of Al2O3 and hybrid Al2O3
16:45	What do you think the	and Their	LiFePO4/Carbon	Corona' an Indicator of	Everywhere, Nor Any	thin-films
	public think about	Photodegradation Photodegradation	Composite Cathode	Toxicity?	Drop to Drink –	, , , , , , , , , , , , , , , , , , , ,
	nanotechnology?	Properties	Materials for Lithium Ion		Nanoscale Consensation	
			Batteries		of Water on Hydrophilic	
					Self-Assembled	
17:00	Oral Sessions Conclude				Monolavers	
17:00		Hour) - Proudly sponsor	ed by <insert and<="" logomcn="" td=""><td>ANFF></td><td></td><td></td></insert>	ANFF>		
19:00	Venue: Bayside Terrace	M/hat are the his is	nout small tack and a size 2			
18:00		What are the big issues a sert Department of Innova	_	Research logo>		
	Venue: Bayside Auditoriu	•	,austry, science and			
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Exhibition Open PENNAY SESSION 2	8:00	Registration Open							
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Prof Mark Wissers — Usbe University, Center for The Invironmental Implications of National Services of National Se		Chairs. Prof Calum Drummond, Prof Andrew Dzurak and Dr Catny Foley							
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Assessment of the Community of the Commu	9:00		University, Center For Th	e Environmental Implication	ons Of NanoTechnology, U	SA Nanotechnology, Enviro	onment and Risk		
Morning Fea & LICONN 2010 Group Photo			sic Research Laboratories	Janan Dayalanment of B	omimetic Device Pased on	Recentor Protein Function			
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11.100 Baryaide 1.03 Chair: Prof Planic Chair: Dr Johan Hoffens Chair: Dr Johan Hoffens									
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Chair Affect Paul Wright W									
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12:00 **Nanoparticles, Toxicity and Inflammation in Cellular Systems** **Mr Andrew Hastings RMIT University and CSIRO Materials Science & Engineering, VIC Immunotoxicology of silver nanoparticles in vitro** **Nanoparticles, Toxicity and Inflammation in Cellular Systems** **Mr Andrew Hastings RMIT University and CSIRO Materials Science & Engineering, VIC Immunotoxicology of silver nanoparticles in vitro** **Nanoparticles in VIC Wales** **Hybrid Nano Materials Composed of Silica Nanoparticles and Lipids: Enhancing Digestion and Drug Delivery* **Dr Sallista Sears** **CSIRO Materials Science and Engineering, VIC Highly luminescent LaF3:Eu3+ nanoparticles in vitro** **Investigating the immunotoxicology of silver nanoparticles in vitro** **Investigation and Drug Description and Drug Description and Drug Description and Drug Description and		=			_				
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Cellular Systems Controlled Drug Release Immunotoxicology of silver nanoparticles in vitro Colse Nanocrystal Growth Colse Nanocrystal Growth Of carbon onions Nanoparticles and Lipids: Enhancing Digestion and Drug Delivery Dr Simon Moulton ARC Centre Of Excellence For Electromaterials Science, and Engineering, VIC Highly luminescent LaF3:Eu3+ nanoparticles in vitro Colse Nanocrystal Growth Of carbon onions Nanoparticles and Lipids: Enhancing Digestion and Drug Delivery Dr Simon Moulton ARC Centre Of Excellence For Electromaterials Science, NSW Focused Ion Beam Milling to Reveal the Internal Structure of Silver nanoparticles in vitro Of carbon onions Nanoparticles and Lipids: Enhancing Digestion and Drug Polymers Dr Simon Moulton ARC Centre Of Excellence For Electromaterials Science, NSW Ferromagnetism in Dilute Magnetic Semiconductors through Defect Engineering: Lidoped ZnO Working Stamps	12:00			The gram-scale synthesis					
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Mr Andrew Hastings RMIT University and CSIRO Materials Science & Engineering, VIC Investigating the immunotoxicology of silver nanoparticles in vitro Dr David Clarke Industrial Research CSIRO Materials Science and Engineering, VIC Highly luminescent LaF3:Eu3+ nanoparticles in vitro Dr Simon Moulton ARC Centre Of Excellence For Electromaterials Science, NSW Focused Ion Beam Milling to Reveal the Internal Structure of Carbon Nanotube Yarns Controlled Drug Release from Nanostructured Conducting Polymers Conducting Polymers Dr Jiabao Yi National University of Singapore, Singapore Fully Automated Hot Embossing Process Utilizing High Resolution Working Stamps Defect Engineering: Lidoped ZnO			Growth		·				
Mr Andrew Hastings RMIT University and CSIRO Materials Science & Engineering, VIC Investigating the immunotoxicology of silver nanoparticles in vitro Mr Andrew Hastings RMIT University and CSIRO Materials Science Limited, New Zealand Limited, New Zealand Focused Ion Beam Milling to Reveal the Internal Structure of Silver nanoparticles in vitro Mr Gerald Kreindl ARC Centre Of Excellence For Electromaterials Science, NSW Focused Ion Beam Milling to Reveal the Internal Structure of Carbon Nanotube Yarns Controlled Drug Release from Nanostructured Conducting Polymers Conducting Polymers Dr Jiabao Yi National University of Singapore, Singapore Fully Automated Hot Embossing Process Utilizing High Resolution Working Stamps Conducting Polymers					=	magnetic ordering			
RMIT University and CSIRO Materials Science & Engineering, VIC Investigating the immunotoxicology of silver nanoparticles in vitro Industrial Research Limited, New Zealand Industrial Research Limited, New Zealand CSIRO Materials Science and Engineering, VIC Highly luminescent LaF3:Eu3+ nanoparticles through surface modification Investigating the immunotoxicology of silver nanoparticles in vitro Investigating the immunotoxicology of silver nanoparticles in vitro Industrial Research Limited, New Zealand CSIRO Materials Science and Engineering, VIC Focused Ion Beam Milling to Reveal the Internal Structure of Carbon Nanotube Yarns Controlled Drug Release from Nanostructured Conducting Polymers Conducting Polymers National University of Singapore, Singapore Engineering, VIC For Electromaterials Science, NSW For Electromaterials Science, NSW Controlled Drug Release from Nanostructured Conductors through Defect Engineering: Lidoped ZnO Working Stamps		Mr Andrew Hastings	Dr David Clarke	Dr Kallista Sears	,	Dr Jiabao Yi	Mr Gerald Kreindl		
8. Engineering, VIC Investigating the immunotoxicology of silver nanoparticles in vitro 8. Engineering, VIC Highly luminescent LaF3:Eu3+ nanoparticles through surface modification Vitro 8. Engineering, VIC Highly luminescent LaF3:Eu3+ nanoparticles through surface modification Focused Ion Beam Milling to Reveal the Internal Structure of Carbon Nanotube Yarns Controlled Drug Release from Nanostructured Conducting Polymers Conducting Polymers Science, NSW Ferromagnetism in Dilute Magnetic Semiconductors through Defect Engineering: Lidoped ZnO Working Stamps		=							
12:15 Investigating the immunotoxicology of silver nanoparticles in vitro Highly luminescent LaF3:Eu3+ nanoparticles through surface modification Carbon Nanotube Yarns Focused Ion Beam Milling to Reveal the Internal Structure of Carbon Nanotube Yarns Controlled Drug Release from Nanostructured Conducting Polymers Ferromagnetism in Dilute Magnetic Semiconductors through Defect Engineering: Lidoped ZnO Working Stamps			Limited, New Zealand	and Engineering, VIC					
Investigating the immunotoxicology of silver nanoparticles in vitro LaF3:Eu3+ nanoparticles through surface modification Milling to Reveal the Internal Structure of Carbon Nanotube Yarns Controlled Drug Release from Nanostructured Conducting Polymers Conducting Polymers Dilute Magnetic Semiconductors through Defect Engineering: Lidoped ZnO Utilizing High Resolution Working Stamps		& Engineering, VIC			Science, NSW	_	•		
immunotoxicology of silver nanoparticles in vitro through surface modification vitro Internal Structure of Carbon Nanotube Yarns vitro Internal Structure of Carbon Nanotube Yarns vitro Through surface modification vitro Internal Structure of Carbon Nanotube Yarns vitro From Nanostructured Conductors through Adopted ZnO Semiconductors through Adopted ZnO	12:15	Investigating the	<u> </u>		Controlled Drug Pologos	_	=		
silver nanoparticles in vitro Carbon Nanotube Yarns Conducting Polymers Defect Engineering: Lidoped ZnO									
vitro doped ZnO					-	_	. Orking Stamps		
12:30 Lunch		•			,				
12:30 Lunch									
	12:30	Lunch							

13:30	PARALLEL SYMPOSIA - SE					
	SYMPOSIUM 1:	SYMPOSIUM 2A:	SYMPOSIUM 2B:	SYMPOSIUM 3:	SYMPOSIUM 4:	SYMPOSIUM 6:
	Regulation of	Nanocrystals	CNTs III	Nanobiotech	Nanoelectronics	Nanocomputation
	Nanomaterials	(Dougido 102)	(Davaida Avditavivos)	(Dougido 104)	(Dougido 102)	(Daveida 10C)
	(Bayside 105) Chairs: A/Prof Tom	(Bayside 103) Chair: Prof Brahim	(Bayside Auditorium) Chair: Dr Mietek	(Bayside 104) Chair: Dr Katsuhiko	(Bayside 102) Chair: Prof Alex	(Bayside 106) Chair: Prof Sean Smith
	Faunce and Dr Andrew	Lounis	Jaroniec	Ariga	Hamilton	Cilair. Proi Sean Siliti
	Invited Speaker	Invited Speaker	Invited Speaker	Invited Speaker	Invited Speaker	Invited Speaker
	A/Prof Tom Faunce Australian National	Dr Johan Hofkens	Prof Plinio Innocenzi University of Sassari,	Prof David Lynn University of Wisconsin -	Prof Andrew Briggs Oxford University, UK	Prof Peter Cummings Vanderbilt University,
	University, ACT	KU Leuven, Belgium	Italy	Madison, USA	Oxidia diliversity, dk	USA
	Offiversity, Act	Light Induced	italy	Widdison, OSA	Storing information in	UJA
	Contemporary and	Preparation of Silver	Mesoporous films:	A 'Multilayered'	collective spin states	The Interplay of Theory
	Future Challenges for	Clusters and Particles	mastering the	Approach to the Delivery	·	and Experiment in
	Australian		complexity by self-	of DNA: Exploiting the		Nanoscience
13:30	Nanoregulation		assembly	Nanostructure and		
				Chemical Structure of		
				Polyelectrolyte		
				Multilayers to Promote Surface-Mediated Cell		
				Transfection and		
				Tunable Multi-Agent		
				Delivery		
				,		
	Dr Andrei Rode	Dr Qin Li	Miss Monessha Nambiar	Prof Martina Stenzel	Mr Liam Hall	
	Australian National	Curtin University Of	Flinders University, SA	University of New South	Centre for Quantum	
	University, ACT	Technology, WA		Wales, NSW	Computer Technology,	
			Peptide modified SWNT		University of Melbourne,	
14:00	Laser capturing and	An Aqueous Route to	array-based copper	Synthesis of	VIC	
	guiding nanoparticles in air	Photoluminescent Carbon Dots for	sensor	nanoparticles for the delivery of platinum anti-	Quantum Decoherence	
	uii	Targeting Cancer Cells		cancer drugs	Imaging Using NV	
		rangeting cancer cens		cancer arags	Centres in Diamond	
	Ms Nicola Hall	Dr Yonghurk Park	Miss Haeyoung Choi	Dr Sharon Sagnella	Prof Jason Twamley	Dr Maciej Haranczyk
	NICNAS, NSW	ETRI, Korea	Korea Electrotechnology	CSIRO Molecular and	Macquarie University,	Lawrence Berkeley
			Research Institute, Korea	Health Technologies,	NSW	National Laboratory, USA
	NICNAS Regulatory	Sonochemically grown		NSW		
14:15	Strategy for Industrial	ZnO nanorods and novel	Stable CNT X-ray source	C 15 A 11 1	Scalable quantum	Approaches for
	Nanomaterials	applications based on a solution process	with high current and long life time	Self-Assembled Nanostructured	register based on coupled electron spins in	Identification of Nanoporous Materials
		301ατίστι ρι στε 23	iong iije time	Dispersions as	a room temperature	for CO2 Separation
				Therapeutic Delivery	solid	jor coz separation
				Agents		
	Invited Speaker	Mr Matthew Foley	Mr Cameron Shearer	Dr Ben Boyd	Dr Charles Hill	Prof Kuo-Ning Chiang
	Dr Andrew	Department Of Physics	Flinders University, SA	Monash Institute Of	Centre for Quantum	Dept. Of Power
	Bartholomaeus	And Advanced Materials		Pharmaceutical Sciences,	Computer Technology,	Mechanical
	FSANZ, ACT	Microstructural Analysis		VIC	University of Melbourne,	Engineering/National
1			Nanoporous Materials:		VIC	Tsing Hua University,
1		Unit, NSW				
14:20	Nanotechnologies in		Porous Silicon and Single	Plasmonic switching of		Taiwan
14:30	Food, Regulatory	Cathodoluminescence	Porous Silicon and Single Walled Carbon	liquid crystalline	Multiple Recipient	
14:30	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of	Porous Silicon and Single	liquid crystalline nanostructure for	Multiple Recipient Adiabatic Passage for	A Robust Nano-
14:30	Food, Regulatory	Cathodoluminescence	Porous Silicon and Single Walled Carbon	liquid crystalline nanostructure for external control over	Multiple Recipient Adiabatic Passage for Interaction Free	A Robust Nano- Mechanics Approach for
14:30	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown	Porous Silicon and Single Walled Carbon	liquid crystalline nanostructure for	Multiple Recipient Adiabatic Passage for	A Robust Nano-
14:30	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown	Porous Silicon and Single Walled Carbon	liquid crystalline nanostructure for external control over	Multiple Recipient Adiabatic Passage for Interaction Free	A Robust Nano- Mechanics Approach for Tensile and Modal
14:30	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures	Porous Silicon and Single Walled Carbon Nanotubes	liquid crystalline nanostructure for external control over drug delivery	Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid	A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method
14:30	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures Dr Cuong Ton-That	Porous Silicon and Single Walled Carbon Nanotubes Prof Zhong Zhang	liquid crystalline nanostructure for external control over drug delivery Dr Durga Acharya	Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid Prof David Jamieson	A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method Dr Shaoli Zhu
14:30	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures Dr Cuong Ton-That University of Technology	Porous Silicon and Single Walled Carbon Nanotubes Prof Zhong Zhang National Center For	liquid crystalline nanostructure for external control over drug delivery Dr Durga Acharya CSIRO Materials Science	Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid Prof David Jamieson University of Melbourne,	A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method Dr Shaoli Zhu Nanyang Technological
14:30	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures Dr Cuong Ton-That	Porous Silicon and Single Walled Carbon Nanotubes Prof Zhong Zhang National Center For Nanoscience And	liquid crystalline nanostructure for external control over drug delivery Dr Durga Acharya	Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid Prof David Jamieson	A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method Dr Shaoli Zhu
	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures Dr Cuong Ton-That University of Technology Sydney, NSW	Porous Silicon and Single Walled Carbon Nanotubes Prof Zhong Zhang National Center For	liquid crystalline nanostructure for external control over drug delivery Dr Durga Acharya CSIRO Materials Science and Engineering, VIC	Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid Prof David Jamieson University of Melbourne, VIC	A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method Dr Shaoli Zhu Nanyang Technological University, Singapore
14:45	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures Dr Cuong Ton-That University of Technology Sydney, NSW Cathodoluminescent and	Porous Silicon and Single Walled Carbon Nanotubes Prof Zhong Zhang National Center For Nanoscience And Technology, China	liquid crystalline nanostructure for external control over drug delivery Dr Durga Acharya CSIRO Materials Science and Engineering, VIC MRI contrast agent	Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid Prof David Jamieson University of Melbourne, VIC Deterministic doping in	A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method Dr Shaoli Zhu Nanyang Technological University, Singapore Effect of gold-coating on
	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures Dr Cuong Ton-That University of Technology Sydney, NSW Cathodoluminescent and Electronic Properties of	Porous Silicon and Single Walled Carbon Nanotubes Prof Zhong Zhang National Center For Nanoscience And	liquid crystalline nanostructure for external control over drug delivery Dr Durga Acharya CSIRO Materials Science and Engineering, VIC MRI contrast agent based on cubic phase	Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid Prof David Jamieson University of Melbourne, VIC	A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method Dr Shaoli Zhu Nanyang Technological University, Singapore Effect of gold-coating on surface plasmon of silver
	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures Dr Cuong Ton-That University of Technology Sydney, NSW Cathodoluminescent and	Porous Silicon and Single Walled Carbon Nanotubes Prof Zhong Zhang National Center For Nanoscience And Technology, China Macro-scale Composite	liquid crystalline nanostructure for external control over drug delivery Dr Durga Acharya CSIRO Materials Science and Engineering, VIC MRI contrast agent	Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid Prof David Jamieson University of Melbourne, VIC Deterministic doping in	A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method Dr Shaoli Zhu Nanyang Technological University, Singapore Effect of gold-coating on
	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures Dr Cuong Ton-That University of Technology Sydney, NSW Cathodoluminescent and Electronic Properties of	Porous Silicon and Single Walled Carbon Nanotubes Prof Zhong Zhang National Center For Nanoscience And Technology, China Macro-scale Composite Cables Constructed with	liquid crystalline nanostructure for external control over drug delivery Dr Durga Acharya CSIRO Materials Science and Engineering, VIC MRI contrast agent based on cubic phase	Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid Prof David Jamieson University of Melbourne, VIC Deterministic doping in	A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method Dr Shaoli Zhu Nanyang Technological University, Singapore Effect of gold-coating on surface plasmon of silver
	Food, Regulatory Challenges and	Cathodoluminescence Characterisation of Vapour Transport Grown ZnO Structures Dr Cuong Ton-That University of Technology Sydney, NSW Cathodoluminescent and Electronic Properties of	Porous Silicon and Single Walled Carbon Nanotubes Prof Zhong Zhang National Center For Nanoscience And Technology, China Macro-scale Composite Cables Constructed with Single-Walled Carbon	liquid crystalline nanostructure for external control over drug delivery Dr Durga Acharya CSIRO Materials Science and Engineering, VIC MRI contrast agent based on cubic phase	Multiple Recipient Adiabatic Passage for Interaction Free Measurement solid Prof David Jamieson University of Melbourne, VIC Deterministic doping in	A Robust Nano- Mechanics Approach for Tensile and Modal Analysis Using Atomistic- Continuum Mechanics Method Dr Shaoli Zhu Nanyang Technological University, Singapore Effect of gold-coating on surface plasmon of silver

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

8:00 8:00	Registration Open								
8.00	Exhibition Open PLENARY SESSION 3								
	Venue: Bayside Auditorium A								
	Chairs: Prof Calum Drumn	nond and Prof Andrew Dzu	ırak						
8:50	Introduction								
9:00	Michal Lipson - Cornell Ur	niversity , USA <i>Manipulati</i>	ng light on Chip						
9:45		tute For Materials Researd	h, Tohoku University, Japa	n Paradigm Shift in Comp	utational Materials Science	?			
10:30	Morning Tea								
11:00	PARALLEL SYMPOSIA - SE								
	SYMPOSIUM 5:	SYMPOSIUM 2A:	SYMPOSIUM 2B:	SYMPOSIUM 1:	SYMPOSIUM 4:	SYMPOSIUM 6:			
	Nanophotonics	Nanobiomaterials II	Nanosynthesis II	Education for a Safe Workplace	Nanoelectronics	Nanocomputation			
	(Bayside 105)	(Bayside 103)	(Bayside Auditorium)	(Bayside 104)	(Bayside 102)	(Bayside 106)			
	Chair: Prof Deb Kane	Chair: Prof Akihiro	Chair: TBC	Chair: Prof Joe Shapter	Chair: Prof Andrew	Chair: Prof Peter			
	Invited Charles	Furube	Invited Charles	Invited Charles	Briggs	Cummings			
	Invited Speaker Prof Richard Blaikie	Invited Speaker Prof Wolfgang Parak	Invited Speaker Prof Zhong Zhang	Invited Speaker Dr Chuck Geraci	Invited Speaker Prof SvenRogge	Invited Speaker Prof Ward Thompson			
	University of Canterbury,		National Center for	NIOSH, USA	Delft University of	University of Kansas,			
	New Zealand	Marburg, Germany	Nanoscience and	,	Technology, The	USA			
			Technology, China	The US NIOSH	Netherlands				
11:00	Nanolithography with	How colloidal nano- and	0.4	Nanotechnology		Understanding			
	surface plasmons: near- field and far-field	microparticles could contribute to medicine	Polymer Nanocomposites and	Research Program: Meeting the Challenge	Bound singlet and triplet spin states of a single	Chemistry in Nanoconfined Solvents:			
	implementations	contribute to medicine	Their Potential	for a Safer Workplace	donor atom	What Can Spectroscopy			
			Applications	, , , , , , , , , , , , , , , , , , ,		Tell Us?			
	Mr John Foulkes	Prof Elena Vismara	Mr Anishur Rahman	Dr Neale Jackson	Mr Jan Verduijn	Dr Marco Califano			
	University of Canterbury,	Politecnico Di Milano,	University of South	RMIT and Monash	Delft University Of	University of Leeds,			
	New Zealand	Italy	Australia, SA	Universities, VIC	Technology, The Netherlands	United Kingdom			
	Improved performance	Electrostatic interactions	A Novel Method for	Engineered	rvetricriarias	Carrier multiplication in			
11:30	in Absorbance	between heparin and	Synthesis of Gd2O3	Nanomaterials: Evidence	Observation of a Fano	CdSe nanocrystals: the			
	Modulation Optical	transition metal oxide	Nanoparticles	on the Effectiveness of	resonance in transport	book isn't closed yet			
	Lithography using a	nanoparticles		Workplace Controls to	through a double donor				
	Plasmonic Reflector Layer			Prevent Exposure	system in Si				
	Layer								
	Dr Kristy Vernon	Dr Lakshman Randeniya	Miss Kunlanan	A/Prof Paul Wright	Dr Steven Schofield	Prof Debra Bernhardt			
	CSIRO Materials Science	CSIRO Materials Science	Kiatkittipong	RMIT University, VIC	University College	Griffith University, QLD			
	and Engineering, VIC	and Engineering, NSW	ARC Centre Of Excellence		London, United Kingdom				
	Plasmon-induced dark	Thin-film composites of	For Functional Nanomaterials, NSW	Engineered Nanomaterials:	Attaching Organic	Thermodynamics of Small Systems			
	modes between gold	diamond-like carbon and	Nationaterials, NSW	Potential substitution	Molecules to Silicon:	Sinuii Systems			
11:45	nanoparticles	nanocrystalline	Investigating	and modification options	Toward Single Molecule				
		zirconium oxide;	Preparation Parameters	to reduce hazard	Conductance				
		structure and	During Titanium Oxide						
		osteoblasts viability	Nanoribbon Synthesis						
	Dr Dragomir Neshev	Dr Yen Truong	Dr Selvi Dev	Dr Jurg Schutz	Dr David Simpson	Dr Ramzi Kutteh			
	Australian National	CSIRO Materials Science	University of Western	CSIRO Materials Science	University of Melbourne,	ANSTO, NSW			
	University, ACT	and Engineering, VIC	Australia, WA	and Engineering, VIC	VIC	Challer to			
	The study of	The effect of fibre	Process Intensification:	Synthetic aerosols from	Manipulation of	Stokesian dynamics simulation of sub-micron			
		alignment of electrospun	Nano Hydroxyapatite	fine carbon nanotubes	diamond nano-crystals	hydrodynamically			
12:00	of tri-layer fishnet	membranes on	Precipitate using	of 10 nanometres	onto photonic devices	interacting nonspherical			
	metamaterial	fibroblast cell adhesion -	Rotating Tube	diameter		particles			
		a comparison between	Processing						
		smooth and textured							
		fibres							
	Dr Robert Carman	Dr Margaret Butler	Mr Domagoj Belic	Mrs Francesca Calati	Prof Alex Hamilton	Mr Alireza Seyed-Razavi			
	Macquarie University,	Australian Institute for	University of Canterbury,	La Trobe University, VIC	University of New South	RMIT University/CSIRO,			
	NSW	Bioengineering and Nanotechnology, QLD	New Zealand	AccessNano: Enabling	Wales, NSW	VIC			
	Development of	Nanoteciniology, QLD	Size-controlled chiral	access to	Radio-frequency	The Coarsening			
12:15	incoherent EUV/VUV	Fluorescent Layered	bimetallic nanoclusters	Nanotechnologies in	reflectometry for high	mechanism as described			
	light sources: tailoring	Double Hydroxide		Australian Schools	speed, low noise	by the BCF and LSW			
	the output pulse	Nanoparticles for			measurements of	Theories			
	characteristics for	Biological Studies			strongly interacting 2D				
	materials processing applications				hole systems				
	αρριιτατίστο								

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

15:30	PARALLEL SYMPOSIUM - SESSION 9						
	SYMPOSIUM 5:	SYMPOSIUM 2A:	SYMPOSIUM 2B:	SYMPOSIUM 2C:	SYMPOSIUM 4:	SYMPOSIUM 6:	
	Nanophotonics	NanoFabrication II	Measurement I	Electochemistry I	Nanoelectronics	Nanocomputation	
	(Payside 10F)	(Daysida 102)	(Daysida Auditarium)	(Povsido 104)	(Poveido 102)	(Payrida 106)	
	(Bayside 105) Chair: Prof Laurie	(Bayside 103) Chair: Mr Jim Williams	(Bayside Auditorium) Chair: Dr Anita Hill	(Bayside 104) Chair: TBA	(Bayside 102) Chair: Prof Paul	(Bayside 106) Chair: Prof Salvy Russo	
	(Lorenzo) Faraone				Meredith	•	
	Mr Ahmad Ashrif A	Dr Qiang Gao	Dr Anita Hill	Mr Ian Goon	Invited Speaker	Invited Speaker	
	Bakar School of ITEE, QLD	Australian National University, ACT	CSIRO Materials Science and Engineering, VIC	ARC Centre Of Excellence For Functional	Dr Scott Watkins CSIRO Molecular and	Prof Aibing Yu University of New South	
	School of Till, QLD	Offiversity, ACT	and Engineering, vic	Nanomaterials, NSW	Health Technologies, VIC	Wales, NSW	
	Analysis of Nanometer	Influence of growth	Designing Nanoscale	Transmaterials, 11011	Treaten realinologies, vie	vales, Nove	
15:30	Displacement	conditions on the	Porosity in Membranes	Gold-Coated Magnetic	Organic solar cells based	Molecular modeling of	
	Measurement Using the	morphology and crystal		Nanoparticles as	on small molecule,	clayed based	
	Self-Mixing Technique	structure of InP		'Electrodes Without	polycyclic aromatic	nanocomposites	
	Based on VCSEL	nanowires		Wires' for Improved Electrochemical Sensor	compounds: materials and interfaces		
				Platforms	una interjuces		
	Mr Hai Wang	Dr Hadi Zareie	Dr Geoff Willmott	Mr Blake Plowman			
	Mr Hai Wang Sun Yat-Sen University,	University of Technology	Industrial Research	RMIT University, VIC			
	China	Sydney, NSW	Limited, New Zealand	Mini Omversity, vie			
		, ,,	,	Electrochemical			
15.45	Synthesis of one-	Patterning	Pressure dependence of	Formation of Platinum			
15:45	dimentional	Nanostructures For ZnO	particle transport	Nanostructures for Fuel			
	nanomaterials and their	Nanorod Growth	through resizable	Cell Applications			
	application in dye- sensitized solar cells		nanopores				
	based on all Ti						
	Dr Peter Reece	Miss Maria Messing	Dr Tamar Greaves	Mr Te-Ming Kung	Dr Michael Toney	Dr Shaun Hendy	
	University of New South	Lund University, Sweden	CSIRO Molecular and	National Cheng Kung	Stanford Synchrotron	Industrial Research	
	Wales, NSW		Health Technologies, VIC	University, Taiwan	Radiation Lightsource,	Limited, New Zealand	
		A comparative study on			USA	_,	
16:00	Optical Trapping and	the effect of gold	Small angle X-ray	Effect of Cu ions on the		The rolling of droplets on	
16:00	Charactersation of Semiconductor	particle type on nanowire growth	scattering (SAXS) investigation of the	microstructure of Cu oxide formation in cu	Nanoscale Morphology of Bulk Heterojunctions	superhydrophobic surfaces	
	Nanowires	nanowne growth	nanostructure of protic	electro-polishing	in Organic Photovoltaics	Surjuces	
			ionic liquids, with and	processes	J		
			without added				
		26.5	surfactants				
	Dr Lan Fu Australian National	Mr Peter Felfer University of Sydney,	Miss Aurelia Dong CSIRO Materials Science	Mr Suriya Ounnunkad ARC Centre of Excellence	Mr Thomas Ellis University of New South	Dr Nicola Gaston Industrial Research	
	University, ACT	NSW	and Engineering, VIC	For Electromaterials	Wales, NSW	Limited, New Zealand	
			aagg,e	Science, NSW	110.00, 110.11		
	Study of strain	Fabrication of atom	Application of PALS to		Conducting Polymer	Superheating of gallium	
16:15	compensation effect on	probe samples from	understand structure in	Superior Electrochemical	Discotic Hybrids for	clusters: curious	
	quantum dot solar cells	interfaces with a focused	self-assembled systems:	Platforms based on Polymer Carbon	Organic Semiconductor	properties of a molecular metal	
		ion beam: working with precision in the sub	Investigations with a dilutable microemulsion	Nanotube Composite	Applications	molecular metal	
		100nm world	anatable mercemanion	Electrodes			
	Miss Hannah Jane Joyce	Mr Dipak Maity	Mr Gregory Staib	Mr Mingliang Wang	Mrs Fargol Hasani	Dr Haibo Guo	
	Australian National	National University of	Macquarie University, NSW	University of Western	Bijarbooneh	CSIRO Materials Science	
	University, ACT	Singapore, Singapore	INOVV	Australia, WA	ISEM, NSW	and Engineering, VIC	
16:30	Defect-Free GaAs and	Functionalized	Optical Surface	Electrochemical	Compact Modeling of	Tribochemistry of	
	InAs Nanowires for	Magnetite Nanoparticles		deposition of Co-Ni alloy	Nano-Structured Dye	diamond surfaces:	
	Optoelectronic Device	for Cancer Hyperthermia	Spider Web Silks	nanowires	Sensitized Solar Cell	monolayer changes	
	Applications	Application				friction	
	Duof Mine Har 16	Mu Daviel Verre	NAM A SHOW The service	Mr Ylias Sabri	Du locale teste de la	Da Nov. Zviv	
	Prof Ming-Hua Mao National Taiwan	Mr Pawel Kowalczyk University of Canterbury,	Mr Aaron Thornton University of	RMIT University, VIC	Dr Jacek Jasieniak CSIRO Materials Science	Dr Nan Zeng CSIRO Materials Science	
	University, Taiwan	New Zealand	Wollongong, NSW	Title Offiversity, vie	and Engineering, VIC	and Engineering, VIC	
	1,		<u> </u>	Gold Nanoprisms Based	3, -	<u> </u>	
	Single-mode Emission	STM investigations of Bi	A Mathematical	QCMs as Sensitive and	Hybrid Inorganic/	Flash-Illuminated Gold	
16:45	from Quantum-dot	islands deposited on	Investigation into	Selective Hg Vapor	Organic Semiconductor	Nanoparticle Heating	
	Microdisk Lasers	HOPG	Nanoscale Gas	Sensors	Solar Cells: Effects of	and Heat Transfer in a	
			Separation: Effects of Pore Size and		Modifying the Surface Chemistry of the	Porous System	
			Temperature		Inorganic Component		
			·		,		
17:00	Oral Sessions Conclude						
17:00		by Hour) - <insert suuport<="" td=""><td>ed by QLD Govt logo></td><td></td><td></td><td></td></insert>	ed by QLD Govt logo>				
10,00	Venue: Bayside Terrace	fety testing of manufactur	and nanomatorials assets	ng for the Australian same	ortium and interested	rtios	
19:00		iety testing of manufactur	eu nanomateriais - meeti	ng ior the Australian cons	ortium, and interested pa	iues	
	Venue: Bayside 106						

8:00	Registration Open	TOS. 10.1.10				
9:00	PARALLEL SYMPOSIA - SE		CVMDOCILIM 3D.	CVMDOCIUM 2C.	CVMDOCILIM 4.	CVMDOCHIMAC
	SYMPOSIUM 5: Nanophotonics	SYMPOSIUM 2A: Nanomaterials I	SYMPOSIUM 2B: Nanomaterials II	SYMPOSIUM 2C: Nanomaterials III	SYMPOSIUM 4: Nanoelectronics	SYMPOSIUM 6: Nanocomputation
	ivanophotonics	ivanomateriais i	ivanomateriais n	ivanomateriais m	Nanoelectionics	Nanocomputation
	(Bayside 105)	(Bayside 103)	(Bayside Auditorium)	(Bayside 104)	(Bayside 102)	(Bayside 106)
	Chair: Dr Hoe Tan	Chair: Dr Kostya	Chair: Prof Colin Raston	Chair: Prof Yasuro	Chair: Dr Stuart Parkin	Chair: Prof Karl-Heinz
		Ostrikov		Niidome		Muller
	Invited Speaker	Invited Speaker	Invited Speaker	Invited Speaker	Invited Speaker	Invited Speaker
	Prof David Officer	Prof Akihiro Furube	Dr Chiara Neto	Prof Colin Raston	Prof Robert Stamps	Prof Shengbai Zhang
	University of	National Institute of	University of Sydney,	University of Western	University of Western	Rensselaer Polytechnic
	Wollongong, NSW	Advanced Industrial	NSW	Australia, WA	Australia, WA	Institute, USA
9:00	Saving the planet with	Science and Technology,	Reliable measurements	Controlling the Assembly	Domain wall dynamics	Energetics and idealism
9.00	nanostructured	Japan	of slip using the AFM	of Fullerenes into Nano-	and high frequency	versus kinetics and
	porphyrins	Ultrafast plasmon-	of ship using the All W	whiskers and Nano-	excitations in	realism: First-principles
	ροιριιγιιιο	induced electron		toroids	multilayered and	theory of graphene
		transfer dynamics in			patterned ferroics	oxides
		gold-TiO2 nanoparticle			,	
	Mr Nicholas Stokes	PRESENTER TBC	Ms Barbara Fairchild	Dr Dinesh Kumar	Dr Anthony Morfa	Prof John Dobson
	Institute For Nanoscale		University of Melbourne,	Venkatachalam	University of Melbourne,	Griffith University, QLD
	Technology, NSW		VIC	Australian National	VIC	·
				University, ACT		Dispersion Forces In
0.20	Novel nanoparticle-		The graphite/diamond		ZnO from Nanoparticle	Nanostructures: Beyond
9:30	based gold coatings for		interface in ion	Size controlled growth of	Inks	Pairwise-Additive
	solar glazing		implanted single crystal	silica nanowires by		Theories
			diamond	thermal decomposition		
				of thin gold films on		
				silicon		
	Mr Craig Johnson	Dr Yonggang Zhu	Mr Carlo Bradac	Dr Matthias Karg	Dr Andrew McDonagh	Dr Hong Zhang
	University of New South	CSIRO Materials Science	Macquarie University,	University of Melbourne,		University of
	Wales, NSW	and Engineering, VIC	NSW	VIC	Sydney, NSW	Queensland, QLD
			_ ,,,,			
9:45	Up-conversion of near-	Negative capillary	Prediction and	Controlled 2D	=	Computer Simulation of
	infrared light in erbium-	pressure of -17 bar in	Measurement of the Size	arrangements of	films on gold surfaces:	Hybrid Organic-
	doped porous silicon for photovoltaics	nanochannels: fact or myth?	Dependent Stability of Fluorescence in Nano-	inorganic/organic core- shell hybrid particles	an effective tool for thin film characterization	Inorganic Nanoparticles in siRNA Delivery
	priotovoituics	myth:	Scale Diamonds	Sileii ilybila particles	jiiiii characterization	Applications
			Scale Diamonas			Applications
	Mr Ting Han	Prof John Sader	Dr Eskender Mume	Dr Erden Sizgek	Mr Thomas Saerbeck	Dr Christopher Escott
	Australian National	University of Melbourne,	Australian National	CSIRO Materials Science	University of Western	Centre For Quantum
	University, ACT	VIC	University, ACT	and Engineering, NSW	Australia, WA	Computer Technology,
			, , , , , , , , , , , , , , , , , , ,		,	NSW
	Low loss chalcogenide	Energy Dissipation in	Nuclear Sensors for	Design of Oxides and	A New Approach to the	
10:00	glass waveguides	Microfluidic Resonators	Assessing the Binding	carbones with	Creation of Magnetically	Tunnelling rates in
	fabricated by thermal		Properties of Porous	Hierarchical Porosity For	Modulated Structures	silicon qubit devices
	nanoimprint lithography		Materials	Nuclear Separations		
	Mr Venkatesan	Dr Chuanpin Chen	Mr Lucas Johnson	Mr Mohammadreza	Mr Khalid Muhieddine	Dr Ahmad Reza Oliaey
	Dhanasekaran	CSIRO Materials Science	Flinders University, SA	Khorasaninejad	University of New South	Islamic Azad University,
	Anna University Chennai,	and Engineering, VIC		University of Waterloo,	Wales, NSW	Tonekabon Branch, Iran
	India		Microphase Separated	Canada		
10:15		Microfluidic Method for	Block Copolymers as		Novel Annealing	Spin polarized bonding
10.13	Preparation and	Synthesis of	Templates for the	APDMS Mediated Self-	Processes for Soluble	analysis of endohedral
	Characterization of Rare	Monodisperse Gold	Directed Cross-Phase	Assembly of Alumina	Acenes	Boron nitride nanocage:
	Earth (Pr, Nd) doped	Nanoparticles	Assembly of Segmented	Quantum Dot Spheres		Density functional
	ZnO nanoparticles		Nanorods			theory study
10.22	Manair - T-					
10:30	Morning Tea	CONFEDENCE OF COLUM				
	PLENARY SESSION 4 AND					
	Venue: Bayside Auditoriu Chairs: Prof Calum Drumr	m A nond, Prof Andrew Dzurak	and Dr Cathy Foley			
	Chans. From Calain Draini	nond, Froi Andrew Dzurak	and breating roley			
11:00	John Boland - Trinity Colle	ege Dublin, Ireland Contro	lling Connectivity on the N	anoscale: A Route to Desi	igner Materials and Novel	Devices
11:45	Presenter TBC					
12:30	Conference Closing					
13:00	Conference Concludes					
13:30	Post Conference Tours Do	epart				