

ANN ECR Workshop – UTS 10-11TH July 2014 Poster allocations

Title	Name	Surname	Department	Affiliation	Abstract Title	Session
Mr	Hamdan	Awan	Computer Science and Engineering	University of New South Wales	Molecular communication for networks of nanomachines	NB
Miss	Heba	Al Khamici	Medical and Molecular Biosciences	University of Technology, Sydney	CLIC1 Ion Channel Conductance in Tethered Bilayer Lipid Membranes is Sterol Dependent	NB
Mrs	Zahrah	Alhalili	School of Chemical and Physical Sciences	Flinders University	Paclitaxel- Gold Nanoparticles Conjugates designed for Breast Cancer Treatment	NB
Ms	Amira	Ameruddin	Research School of Physics and Engineering	Australian National University	Growth and properties of Au-catalysed InGaAs nanowires with uniform composition and morphology	MD
Mr	Jakob	Andersson	Chemical and Physical Sciences	Flinders University	Self-Assembled Bio-macromolecules in Ionic Liquids and Applications	NB
Mr	Morteza	Aramesh	Physics	University of Melbourne	Large surface area anodic aluminum oxide (AAO) provides a unique materials platform for the capture and sensing of a very small number of molecules.	C
Mrs	Bitra	Bayatsarmadi	Chemical Engineering	The University of Adelaide	Nitrogen-doped mesoporous carbon particles for efficient oxygen reduction reaction	C
Mr	James	Bishop	Physics	University of Technology Sydney	Effects of Temperature--Dependent Adsorption Kinetics On Electron Beam Induced Deposition --New Routes Towards Process Optimisation	MD
Dr	Andrew	Blok	Centre for Nanoscale Science and Technology	Flinders University	Development of a polydopamine grafted poly((2-methacryloxyethyl) trimethyl ammonium chloride) coating to produce reverse osmosis (RO) desalination membranes with low biofouling properties	NB
Miss	Siobhan	Bradley	Ian Wark Research Institute	University of South Australia	Modified Janus Particles for Photocatalytic Water Splitting	C
Miss	Catherine	Carnovale	Applied Physics	RMIT Univeristy	Investigating the effect of gold nanoparticle shape on cellular uptake and toxicity	NB
Mr	Alex	Cavallaro	School of Engineering	University of South	Concentration gradients of immobilised quaternary	NB

				Australia	ammonium compounds for bio-burden reduction	
Mr	Sumin	Choi	Physics and Advanced Materials	University of Technology, Sydney	ZnO Nanophotonics	O
Mr	Aaron	Colusso	Institute for Nanoscale Technology	University of Technology, Sydney	Photoelectrochromic Materials and Devices	O
Miss	Jianlan	Cui	School of Biomolecular and Physical Sciences	Griffith University	Spectroscopic and Atomic Force Microscopic Investigations on Synthesized Cerium Hydroxide Thin Film on Calcite	O
Mr	Jared	Cullen	Physics	University of Technology Sydney	Controlling Nanostructure Geometry by Modulating The Extent Of Adsorbate Depletion In Electron Beam Induced Deposition	MD
Mr	Juan Pablo	Dehollain	CQC2T -	University of New South Wales	High-fidelity microwave control of P donor spins	O
Mr	Alexander	Dunn	Chemical Engineering	University of New South Wales	P(DEGMA-co-OEGMA-b-[TMSPMA-co-VBA])@Silica@Magnetite polymer-nanoparticle composites have been developed as a platform for controllable drug release	NB
Mr	Tom	Dyer	Mathematics and Applied Statistics	University of Wollongong	Carbon nanostructures are currently a rapidly growing area in research due to their excellent mechanical, electrical and thermal properties	MD
Mr	Jacob	Evans	Physics and Astronomy	Macquarie University	Growth and Characterisation of Rare Earth Nitride	MD
Mr	Borghi	Fabricio	School of Physics / CMSE	University of Sydney / CSIRO	Graphene-based nanostructures for cell growth: a biocompatibility study	NB
Mr	Kristopher	Fair	Physics and Advanced Materials	University of Technology, Sydney	Formation and angular dependant properties of MoS	MD
Mr	Shaikh	Faisal	Chemical and Biomolecular Engineering	University of Sydney	Facile Synthesis of Nitrogen-Doped Graphene via Thermal Annealing of Graphene Oxide with Uric Acid for High Performance Supercapacitors and Efficient Electroca talysis	C
Dr	Jinghua	Fang	Materials Science and Engineering	CSIRO	Plasmonic metamaterial sensor with ultra-high sensitivity in the visible spectral range	O
Mr	Syamak	Farajikhah	IPRI	University of Wollongong	Novel Braided Structure for Smart Textiles	MD

Mr	Manuel	Ghezzi	School of Chemistry	The University of Sydney	Functional Surface Micro-Patterns by Dewetting of Polymer Thin Films	C
Mr	Karan	Gulati	School of Chemical Engineering	The University of Adelaide	Optimisation of nano-engineered drug-eluting bone implants	NB
Dr	Jonathan	Hall	School of Chemistry and Physics	The University of Adelaide	Developing a method for predicting the whispering gallery mode spectrum of micro-resonators	O
Mr	Wei	Han	School of Computer Science, Engineering and Mathematics	Flinders University	Nanosilica enhanced fracture toughness and tribological performance of epoxy under marine environment	MD
Dr	Karyn	Jarvis	Institute of Materials Engineering	ANSTO	Development of Nanoscale Metal Oxide Films for Barrier Applications	MD
Miss	Hong	Jl	Institute of Photonics and Advanced Sensing, School of Chemistry and Physics	The University of Adelaide	Generation of doughnut beams from a suspended nanowire for high resolution imaging	O
Dr	Fehmida	Kanodarwala	School of Chemistry	University of New South Wales	Deposition of CdSe and Silicon quantum dots on Graphene sheets	MD
Miss	Maryam	Khaksar	Mawson Institute	University of South Australia	In-situ study of the chemical transformation of surface functionalized silver nanoparticles along the water-sediment continuum	C
Mr	Roman	Kostecki	School of Chemistry and Physics	The University of Adelaide	Thin-Film Polymer Functionalisation of Optical Fibre Enabling Multiligand Chemosensing	O
Miss	Renata	Lippi	Chemistry and Physics	The University of Adelaide	Investigation of ruthenium nanoparticle formation in mesoporous silica by in situ X-ray powder diffraction	C
Miss	Kate	McDonell	School of Civil Engineering	University of Sydney	Mechanical properties of electron irradiated carbon nanotubes	MD
Miss	Fahimeh	Mehrpouya	Intelligent Polymers Research Institute	University of Wollongong	Fabrication Of Polyacrilonitrile/Liquid Crystal Graphene Oxide Composite Twisted Yarns	MD
Miss	Fatemeh	Mir Najafi Zadeh	Chemistry	University of New South Wales	The Investigation of Photostability of Water Soluble Quantum Dots in Presence of Cancer Cells	NB
Miss	Azadeh	Mirabedini	Intelligent Polymers Research	University of Wollongong	A Novel method for fabrication of wet-spun conductive multifunctional	MD

			Institute		coaxial fibre	
Mr	Mahmoud	Moussa	Materials Science	University of South Australia	High Performance Sponge/Polyaniline/Graphene Platelets Supercapacitor	MD
Miss	Jane Phui Mun	Ng	School of Medical and Molecular Biosciences	University of Technology, Sydney	Effects of gold nanoparticles on macrophage and adipocyte cellular function	NB
Mr	Calum	Ormonde	Chemistry and Biochemistry	University of Western Australia	Anionic multifunctional polymer nanoparticle delivery of oncogenetranscription factor inhibitors	NB
Miss	Piangjai	Peerakiatkhajohn	School of Chemical Engineering	The University of Queensland	Tandem Photoelectrodes containing Au@TiO ₂ core-shells and p-Cu ₂ O for Enhanced Photoelectrochemical Hydrogen Production	C
Miss	Ganchimeg	Perenlei	Science and Engineering Faculty	Queensland University of Technology	Sol-Gel Synthesis and Characterisation of Bismuth Based Nanoparticle Materials to Enhance Solar Energy Harvesting	C
Mr	Ehsan	Pourazadi	School of Chemical Engineering	University of Sydney	Facile Synthesis of Boron-doped Graphitic Materials for Oxygen-Reduction Application in Fuel Cells	C
Dr	Melanie	Ramiasa	Mawson Institute	University of South Australia	Predicting the Wettability of a Nanoengineered Material Surface	MD
Mr	Jingrun	Ran	Chemical Engineering	The University of Adelaide	Enhanced visible-light photocatalytic H ₂ production of ZnxCd _{1-x} S modified with earth-abundant Ni-based cocatalysts	C
Mr	Ishan	Rastogi	Chemistry and Biomolecular Sciences (CBMS)	Macquarie University	Fluorescent nanodiamonds as tools for imaging applications in biological system	O
Dr	Maryam	Salari	IPRI	University of Wollongong	Anodized TiO ₂ Nanotube as Electrode Materials for Microsupercapacitor Application	MD
Mr	Yuya	Samura	School of Chemical and Physical Sciences	Flinders University	Lipid membrane interaction with varying sizes and types of silver nanoparticle	NB
Mr	John	Scott	Physics	University of Technology Sydney	Direct observation of nanostructure growth using high-resolution scanning electron microscopy	MD
Mr	Shayan Ziabari	Seyedin	IPRI	University of Wollongong	Highly stretchable, conductive, and elastomeric	MD

					fibres for strain sensor textiles	
Mrs	Nikta	Shahcheraghi	School of Physics and Advanced Materials	University of Technology, Sydney	Plasmon Resonances on sandwiches Stacks of Silver Nanotriangles	O
Mr	Toby	Shanley	Physics	University of Technology Sydney	Localised Chemical Switching of the Charge State of Nitrogen - Vacancy Luminescent Centres in Diamond	O
Dr	Bingyang	Shi	CBMS	Macquarie University	Nanoparticles based theranostics	NB
Mr	Danius Pratheep	Sountharajah	FEIT	University of Technology, Sydney	Titanate nano materials for removal of heavy metals from water	C
Mr	Daniel	Suhendro	Chemical and Physical Sciences	Flinders University	Drug-Membrane Interaction Studies Using Tethered Bilayer Lipid Model Membranes	NB
Mr	Supitcha	Supansomboon	Institute for Nanoscale Technology	University of Technology, Sydney	Nanoscale Bi-layers of Coloured Intermetallic Compounds	O
Miss	Shima	Taheri	School of Engineering	University of South Australia	A substrate independent approach for fabrication of biocompatible nano-silver/polymer antibacterial coatings	NB
Dr	Vanessa	Thompson	Chemical and Physical Sciences	Flinders University	Waveguide sensing platform for interrogating lipid membrane function	NB
Dr	Guilherme	Tosi	CQC2T, EE&T	University of New South Wales	Coupling single spins in silicon to microwave resonators	O
Mr	Robert	Utama	Centre for Advanced Macromolecular Design (CAMD)	University of New South Wales	Inverse Miniemulsion Periphery RAFT Polymerization: A Facile Pathway to Loaded-Polymeric Nanocapsules	NB
Dr	Thanh Phong	Vo	Physics and Astronomy	Macquarie University	Focusing of surface plasmons with a plasmonic lens	O
Mr	Ye	Wang	School of Chemical Engineering	The University of Adelaide	Synthesis of Structurally Engineered Anodic Alumina Nanotubes as Novel Drug Nano-carriers for Drug Delivery Applications	NB
Mr	Changlong	Xiao	School of Chemistry	University of New South Wales	Highly Efficient Transition Metals Based Catalysts for Electrochemical Oxygen Evolution	C
Mr	Sun	Xiao	School of Mechanical and Chemical Engineering	University of Western Australia	Released micromachined beams utilising laterally uniform porosity porous silicon	MD

Mr	Biruck	Yirsaw	Centre for Environmental Risk Assessment and Remediation	University of South Australia	Green synthesis of zero valent iron nanoparticle using fruit waste and particle characterization using XPS and GC-MC-MS	C
Mr	Cameron	Zachreson	Physics and Advanced Materials	University of Technology, Sydney	Electron beam-controlled restructuring of luminescent centres in polycrystalline diamond	O
Miss	Xiaoshou	Zhang	Department of Chemistry	The University of Adelaide	Photoswitchable inhibitors for characterisation of enzyme activity	NB
Dr	Jiangbo (Tim)	Zhao	Institute for Photonics and Advanced Sensing	The University of Adelaide	Incorporation of upconversion nanocrystals in tellurite glass for novel photonic composites	O
Mr	Liangchen	Zhu	Physics	University of Technology Sydney	Nanocharacterisation of N-doped ZnO nanowires	MD
Mr	Martin	Aiden	Physics and Advanced Materials	University of Technology, Sydney	Gas Mediated Electron Beam Induced Etching: From Fundamental Physics to Device Fabrication.	MD
Dr	Sabrina	Heng	School of Chemistry and Physics	The University of Adelaide	Optical Fibres and Photoswitches: Light-Driven Sensors for Metal Ions	O

Poster allocations:

DAY 1 (10th July)

MD=Materials and Devices Session

NB=Nanobiotechnology Session

DAY 2 (11th July)

O=Optics and Photonics Session

C=Catalysis Session