

AMN9 Programme

Subject to change

Sunday 10 February

12 - 7.30pm	Registration opens - Soundings Theatre Level 2
6 - 7.30pm	Welcome reception - Level 4

Monday 11 February

7.30am	Registration opens - Soundings Theatre Level 2
8.30 - 9am	Conference Opening - Mihi and Opening speaker Hon Dr Megan Woods - Amokura Gallery Level 4
9 - 10am	Plenary 1 - Professor Dan Nocera - A Complete Artificial Photosynthesis Food and Fuel from Sunlight, Air and Water - Amokura Galley Level 4 Chair: <i>Justin Hodgkiss</i>
10-10.30am	Morning Tea - Oceania Level 3

	Amokura Gallery	Soundings Theatre	Rangimarie 2	Rangimarie 1	Icon
	Functional Materials Invited Speaker 1A Chair: <i>Paul Hume</i>	Materials Synthesis and Characterisation Invited Speaker 1 Chair: <i>Baptiste Augu�</i>	Theory and Modelling of Materials and Devices Invited Speaker 1 Chair: <i>Krista Steenbergen</i>	Materials and Technologies for Biological Applications Invited Speaker 1 Chair: <i>Jenny Malmstrom</i>	Future Devices and Technologies Invited Speaker 1 Chair: <i>Grant Williams</i>
10:30am - 11:am	Alexandre Dmitriev - I.1 Magnetic, chemical and electrical steering of the nanoscale optical antennas	Roy Clarke - I.2 II-IV Nitrides: Earth-abundant Semiconductors with Band-gap Tuning via Cation Sub-lattice Ordering	Oleg Tretiakov - I.3 Dynamics and Lifetimes of (Anti)Skyrmions	Alexander Zelikin - I.4 Enzyme prodrug therapy engineered into biomaterials	Lan Wang - I.5 2D ferromagnetism and spintronic devices based on van der Waals heterostructures
11am - 12:20pm	Functional Materials Invited Speaker 1B Chair: <i>Paul Hume</i>	Materials Synthesis and Characterisation Contributed 1 Chair: <i>Baptiste Augu�</i>	Theory and Modelling of Materials and Devices Contributed 1 Chair: <i>Krista Steenbergen</i>	Materials and Technologies for Biological Applications Contributed 1 Chair: <i>Jenny Malmstrom</i>	Future Devices and Technologies Contributed 1 Chair: <i>Grant Williams</i>
11-11.20am	Geoffrey Waterhouse I.6 (11-11.30am) Photonic Band Gap Materials for Efficient Solar Hydrogen Production	Geoffrey Laufersky - C4 Tuning Indium Phosphide Quantum Dots: From Theory to Practice	Amanda Parker - C8 Use of artificial intelligence to avoid biases in materials simulations or experiments	Louise Orcheston-Findlay - C12 Oxygen control and measurement to incorporate drug resistant regions into the cancer model	Masahiro Yamashita - C16 Quantum Molecular Spintronics Based on Single-Molecule Magnets: Single-Molecule Memory and MOF-Spintronics
11.20-11.40am	Functional Materials Contributed 1	Alyxandra Thiesse - C5 Insights into the Structure of Silicon Nanocrystals	Elke Pahl - C9 Melting of Nano-Clusters in Strong Magnetic Fields	Maryam Hejazi - C13 Deposition of conductive diamond on carbon fiber microelectrodes for neural stimulation	Luca Bondi - C17 15N-NMR to predict spin crossover activity in solution?
11.20-11.40am	Pieter Geiregat - C1 (11.30 - 11.50am) Optical Gain Spectroscopy of Solution Processable 2D Materials for Integrated Micro-Lasers	Nina Novikova - C6 Distorted Porphyrins: Ultrafast Excited State Dynamics of Boron Porphyrins and Porphyrinoids	Shaun Hendy - C10 Instabilities in the melting of metal nanowires	Mohammad Tajul Islam - C14 Fabrication and characterisation of 3-dimensional electrospun nanofibrous scaffolds	Guy Dubuis - C18 Skyrmions and Topological Hall Effect in Mn ₂ CoAl
11.40-12noon	Linda Chen - C2 (11.50 - 12.10pm) Gold nanoclusters for solar cells applications	Marcus Jones - C7 Exploiting exciton plasmon coupling to enhance optical transitions in colloidal quantum dots 2 min poster talks	Geoff Willmott - C11 Collective Dynamics of Janus Particles: Simulations 2 min poster talks	Rossana Boni - C15 A novel 3D nanofibrous scaffold for neural tissue regeneration 2min poster talks	Richard Caulfield - C19 Miniaturised 3D printed probes for high-resolution all-optical ultrasound imaging 2min poster talks
12noon - 12.20pm	Joanne Rogers - C3 (12.10 - 12.30pm) Metal oxide composites synthesized by arc discharge	Xiaohan Chen - P1 Adsorption isotherms of dyes on metallic nanoparticles: the pitfalls of centrifugation	James Gilmour - P5 On the involvement of d-electrons in the superatom model	Deanna Ayupova - P9 An in vitro investigation of cytotoxic effects of InP/ZnS quantum dots with different surface chemistries	Ali Shaib - P13 Preferential Growth Mechanisms of Rare Earth Nitrides Thin Films
12.20-12.30pm		Johan Grand - P2 What happened to the quadrupolar plasmon resonance of silver nanospheres?	Alexander Smith - P6 Droplet Motion on Superhydrophobic Surfaces	Nicola Lacalendola - P10 Facile Characterization of Nanopipettes	Kyle Alberti - P14 Sensor-based Air Quality Network Measurements
		Lisa Strover - P3 Electrochemical behaviour of chain transfer agents for RAFT polymerisation	Timothy Duigan - P7 Impurities limit the capacitance of carbon-based supercapacitors		Anindita Sen - P15 Colorimetric aptasensors for methamphetamine detection
12.30-1.30pm			Jacob Martin - P8 Non-graphitising carbon: a multilayered 3D graphene		Paul Kilmartin - P16 PEDOT electrochemical sensor for flavonoid analysis
	Lunch break - Oceania Level 3				

	Amokura Gallery	Soundings Theatre	Icon	Rangimarie 1	Rangimarie 2
	Functional Materials Invited Speaker 2 Chair: <i>Carla Meledandri</i>	Materials Synthesis and Characterisation Invited Speaker 2 Chair: <i>Guy Dubuis</i>	Soft Matter Invited Speaker 1 Chair: <i>Bill Williams</i>	Materials and Technologies for Biological Applications Invited Speaker 2 Chair: <i>Laura Damigan</i>	Materials and Devices for Energy Sustainability Invited Speaker 1 Chair: <i>Geoff Waterhouse</i>
1.30 - 2pm	James Crowley - I.7 Metallosupramolecular Cages: Self-assembly, Molecular Recognition and Catalysis	Benjamin Mallett - I.8 Controlling charge-order in superconductor sandwiches	Emilia Nowak - I.9 Interfacial and bulk flows triggered by the presence of surfactants	William Peveler - I.10 Detecting Liver Fibrosis from Serum with a Rapid and Robust Multichannel Polymer-based Sensor Array	Nonglak Meethong - I.11 Structural and Electrochemical Properties of Li and Mn-rich Oxide Cathode Materials for Next Generation High Energy Density Li-Ion Batteries
	Functional Materials Contributed 2 Chair: <i>Carla Meledandri</i>	Materials Synthesis and Characterisation Contributed 2 Chair: <i>Guy Dubuis</i>	Soft Matter Contributed 1 Chair: <i>Bill Williams</i>	Materials and Technologies for Biological Applications Contributed 2 Chair: <i>Laura Damigan</i>	Materials and Devices for Energy Sustainability Contributed 1 Chair: <i>Geoff Waterhouse</i>
2-2.20pm	Colm Healy - C20 Multicomponent Framework Materials for Photon Upconversion and Photocatalysis	Gabriel Bioletti - C23 Pressure Dependant Measurements of Critical Current Density in the Nickel-doped Ba122 Superconductor	Catherine Whitby - C26 From rings to bumps in colloid patterning: the effect of short chain amphiphiles	Nicola Altenhuber - C29 Diabetes Management: Developing a Point-of-Care Insulin Sensor	Shalini Divya - C32 New Cathodes for Aluminium Ion Batteries (AIBs)
2.20 - 2.40pm	C21	Heedae Kim - C24 Fractional Aharonov-Bohm Oscillations in a Single Quantum Ring	Matheu Broom - C27 Symmetry Splitting of Impacting Droplets on Partly Wetting Surfaces	Jenny Malmstrom - C30 Functional surfaces as biointerfaces and beyond	Keith Gordon - C33 Using Raman Spectroscopy and Computational Chemistry to Understand Molecular Electronic Materials
2.40-3pm	Mahsa Motesakeri - C22 Comparison of PEDOT-Sensors with HPLC for the analysis of uric and ascorbic acid antioxidants in milk	Ciaran Moore - C25 Measurement of surface plasmon resonance intensity in thin film plasmonic sensors	Qaisar Latif - C28 Fundamental understanding of structure, function and properties of chitosan biopolymer gels	Yu-Kaung Chang - C31 Antibacterial Activity of Quaternized Chitosan/ Polyvinyl Alcohol Nanofiber Membrane	John Kennedy - C34 Thermoelectric Properties of Isovalent Ion Doped Bismuth Telluride Films
3 - 3.30pm	Coffee break - Oceania Level 3				
3.30 - 4.15pm	Keynote 1 - Professor Adam Engler - Improving Cardiovascular "Diseases-in-a-dish" with Dynamic Materials - Amokura Gallery Level 4 Chair: <i>Viji Sarajini</i>				
4.15 - 5pm	Keynote 2 - Dr Stefan Kupfer - Tuning Unidirectional Energy and (Multi-)Electron Transfer Processes in Photocatalysis - Amokura Gallery Level 4 Chair: <i>Keith Gordon</i>				
5 - 6.30pm	Poster session 1 - Oceania Level 3				

Tuesday 12 February

8.30am	Registration opens - Soundings Theatre Level 2
9 - 10am	Plenary 2 - Professor Rose Amal - Harnessing Solar Energy Through Catalysis - Closing the Carbon Loop - Amokura Gallery Level 4 Chair: <i>Nicola Gatson</i>
10 - 10.30am	Morning tea - Oceania Level 4

	Amokura Gallery	Soundings Theatre	Icon	Rangimarie 1	Rangimarie 2
	Functional Materials Invited Speaker 3 Chair: <i>Joe Trodahl</i>	Materials Synthesis and Characterisation Invited Speaker 3 Chair: <i>James Crowley</i>	Future Devices and Technologies Invited Speaker 2 Chair: <i>James Storey</i>	Materials and Technologies for Biological Applications Invited Speaker 3 Chair: <i>Natalie Plank</i>	Materials and Devices for Energy Sustainability Invited Speaker 2 Chair: <i>Sally Brooker</i>
10.30 - 11am	James Analytis - I.12 Transport signatures of surface states in a Weyl semimetal: evidence of field driven Fermi arc interferometry	Annie K Powell - I.13 Approaching a quantum critical point using chemical means - a science fiction wormhole in a science fact scenario	Ethan Minot - I.14 Electron-electron interaction driven phenomena in carbon nanotube devices	Silvia Giordani - I.15 Carbon Nano-Onions for Biomedical Applications	Antoni Llobet - I.16 Hybrid molecular materials for water splitting applications
11am - 12:20pm	Functional Materials Contributed 3 Chair: <i>Joe Trodahl</i>	Materials Synthesis and Characterisation Contributed 3 Chair: <i>James Crowley</i>	Future Devices and Technologies Contributed 2 Chair: <i>James Storey</i>	Materials and Technologies for Biological Applications Contributed 3 Chair: <i>Natalie Plank</i>	Materials and Devices for Energy Sustainability Contributed 2 Chair: <i>Sally Brooker</i>
11 - 11.20am	Nerea Bilbao - C35 The impact of grafted surface defects on the on-surface Schiff-base chemistry at the solid-liquid interface.	Selvan Demir - C39 Radical-Bridged Lanthanide Single-Molecule Magnets	Jeff Tallon - C43 The long road to room temperature superconductivity - basically there, but...	Sharali Malik - C47 Few-layer graphene based nanocomposites for potential use in dental/biomedical applications	Shane Teifer - C51 Gas Separations using Metal-Organic Frameworks
11.20 - 11.40am	Avadh Saxena - C36 Nonreciprocity, Chirality and PT-Symmetry in Photonics and Functional Materials	Valerie Cornuault - C40 Investigating the impact of complex pectin structures on gelling	Frederick Wells - C44 Nanoparticle Colloids for Improved Superconducting Films	Azadeh Hashemi - C48 Characteristics of bioimprinted casein microdevices as biodegradable cell-culture substrates	Charlie Ruffman - C52 Hydrogen production using MoS ₂ electrocatalysts: The effect of applied potential and catalyst support
11.40-12noon	Charlotte Boott - C37 Functional Materials from Cellulose Nanocrystals	Chris Fitchett - C41 Turning the Switch: Redox Active Bridging Ligands	Jakub Jagielski - C45 Aggregation-induced emission in lamellar solids of colloidal perovskite quantum wells	Renee Goreham - C49 InP quantum dots conjugated with targeting ligands to fluorescently label and track extracellular vesicles	Jay Chan - C53 Breaking molecular nitrogen with an atomically clean lanthanide surface
12 - 12.20pm	Johannes Seibel - C38 An in-situ nanoshaving protocol to achieve control over 2D crystallization at the liquid/solid interface 2 min poster talks	Courtney Ennis - C42 The DFT Prediction of Molecular Crystal Far-Infrared Spectra: From Planetary Ices to Forensics 2 min poster talks	Jakub Jagielski - C46 Colloidal quantum confined perovskites - achieving ultrapure green and blue electroluminescence 2 min poster talks	Zeineb Ayed - C50 Aptamer conjugated InP/ZnS QDs to target and label <i>Acinetobacter baumannii</i> 2 min poster talks	Frantisek Fendrych - C54 Nanocrystalline Diamond Films for Anticorrosion Protection of Zirconium Nuclear Fuel Rod Cladding 2 min poster talks
	William Holmes-Hewett - P17 Optical and transport properties of rare earth nitrides	Mohsen Maddah - P21 Selective growth of ZnO nanowires	T Murugathas - P25 Artificial olfactory sensors using insect odorant receptors and graphene FETs	Claude Meffan - P30 Application of the 3os method to microfluidics	Hyeok Kim - P34 Organic Solar Cells for Indoor Application through Optimal Design
	Przemyslaw Data - P18 Electrochemically driven synthesis of conjugated polymers for use as electrochromic materials and organic	Jonathan Falconer - P22 Nano-MOF Engineering Meets Materials Science: Toward New Functional Hybrid Materials	Ahmad Ayesh - P26 Production of selective hazardous chemical sensors using graphene decorated by nanomaterials	Praveen Vadakkedath - P31 Dynamic peptide nanostructure formation using reversible boronate ester chemistry	Garry Hanan - P35 Light-triggered Assembly of a Discrete Tetraruthenium Metalocycle

12.20 - 12.30pm	Tarek Kollmetz - P19 Analysis of protein release from Polystyrene-block-Poly(Ethylene Oxide) thin films co-assembled with lysozyme	Matthew Arnold - P23 Co-sputtered refractory polarizers and reverse-switching thermal emitters	Nireekshan K Sodavaram - P27 The Effect of Residual Stresses and Hygroscopic Swelling on MEMS ICP Sensor Drift	Santhosh Kumar Pandian - P32 Drop Impact of High Viscosity and Non-Newtonian Fluids on Patterned Polymer Surfaces	Santiago Rodriguez-Jiménez - P36 Surface attachment of hydrogen evolution catalysts
	Liam Caroll - P20 Controlling Surface Conductivity and Chemical Reactivity at SnO ₂ Thin Films using Aryldiazonium Ion Electrochemistry	David Uhrig - P24 Thermal post processing of FeSe _{1-x} Te _x : Changes in physical properties and enhancement of J _c	Jong Hyun Seo - P28 Copper Metallization of InGaZnO Thin Film Transistor with New Titanium Barrier Layer		
12.30 - 1.30pm	Lunch break - Oceania Level 3				
	Amokura Gallery		Soundings Theatre		Rangimarie 1
1.30 - 2pm	Functional Materials Invited Speaker 4 Chair: Nadine van der Heijden	Quantum Technologies Invited Speaker 1 Chair: Uli Zueicke	Theory and Modelling of Materials and Devices Invited Speaker 2 Chair: Anna Garden	Soft Matter Invited Speaker 2 Chair: Petrik Galvosas	Future Devices and Technologies Invited Speaker 3 Chair: Chris Bumby
	Agustin Schiffrin - I.17 Organic Nanostructures on Surfaces Towards Nanoscale Control of Interfacial Electronic Properties	Jevon Longdell - I.18 Microwave-optical quantum signal conversion using rare earths in solids	Gianluca Rastelli - I.19 Electron-vibration and electron-photon interaction in nanoscale hybrid systems	Erik Reimhult - I.20 Tailoring colloidal and protein interactions of superparamagnetic nanoparticles for biomedical applications	Adam Micolich - I.21 Opportunities in Mixing Materials – Roles for Soft Materials in III-V Semiconductor Nanowire Devices
2 - 2.20pm	Functional Materials Contributed 4 Chair: Nadine van der Heijden	Quantum Technologies Contributed 1 Chair: Uli Zueicke	Theory and Modelling of Materials and Devices Contributed 2 Chair: Anna Garden	Soft Matter Contributed 2 Chair: Petrik Galvosas	Future Devices and Technologies Contributed 3 Chair: Chris Bumby
	Penelope Brothers - C55 POMs (polyoxometalates) as building blocks for magnonics devices	Rakesh Arul - C58 Lighting up chemical bonds - Can quantum optics be used to control chemical reactions?	Walter Somerville - C61 Understanding pathlength distributions in a photon random walk	Susav Pradhan - C64 Using microrheology and biophysical techniques to probe biological microparticles	Natalie Plank - C67 Carbon nanotube network field effect transistors as a sensing platform
2.20 - 2.40pm	Sesha Manuguri - C56 Spatial organization and characterization of magnetic nanocrystals in di-block copolymer micellar thin films	Hannah Stern - C59 Imaging single visible emitters in hBN monolayers.	Geoffrey Weal - C62 Using structural recognition methods to improve the efficiency of global optimisation algorithms for nanoparticle structure determination	Joe Berry - C65 Measuring mechanical properties of hydrogel particles using AFM	Abu Rifat Ullah - C68 Switching Highly Doped p-type GaAs Nanowire FETs
2.40 - 3pm	Viji Sarojini - C57 Designing Antimicrobial Surfaces	Robin Guehne - C60 Exploring electronic properties of topological insulator Bi ₂ Se ₃ using nuclear magnetic resonance	Chhayli Tang - C63 Modeling molecular orientation effects in dye-coated nanostructures using a thin-shell approximation of Mie theory for radially anisotropic media	Sevgi Onal - C66 Design and Fabrication of a Microfluidic System for Force Application on Cancer Cells	Carlos Torres-Torres - C69 Magnetoplasmonic influence on multiphotonic effects exhibited by carbon/metal nanostructures
3 - 3.30pm	Coffee break - Oceania Level 3				
3.30 - 4.15pm	Keynote 3 - Professor Norman Birge - Ferromagnetic Josephson Junctions for Cryogenic Memory - Amokura Gallery Level 4 Chair: Ben Ruck				
4.15 - 5pm	Keynote 4 - Professor Richard Palmer - Nanoparticle Beam Deposition: A Novel Route to the Solvent-Free Creation of Heterogeneous Catalysts - Amokura Gallery Level 4 Chair: John Kennedy				
5 - 6.30pm	Poster session 2 - Oceania Level 3				

Wednesday 13 February

8.30am	Registration opens - Soundings Theatre Level 2				
9 - 10am	Plenary 3 - Professor Michael Fuhrer - Topological materials for low-energy electronics - Amokura Gallery Level 4 Chair: Michele Governale				
10 - 10.30am	Morning tea - Oceania Level 3				
	Amokura Gallery		Soundings Theatre		Icon
10.30 - 11am	Functional Materials Invited Speaker 5 Chair: David Williams	Materials Synthesis and Characterisation Invited Speaker 4 Chair: Chris Bumby	Future Devices and Technologies Invited Speaker 4 Chair: Saurabh Bose	Materials and Technologies for Biological Applications Invited Speaker 4 Chair: Maan Alkai	Materials and Devices for Energy Sustainability Invited Speaker 3 Chair: Kamal Patil
	Karina Hudson - I.22 Towards topological quantum computing: demystifying the first 1D subband	Grzegorz Lisak - I.23 Waste-to-Materials Circular Economy Concept: Carbon Nanotubes Derived from Plastic Waste	Sumeet Walia - I.24 Electronics of the future	Laura Domigan - I.25 Lens protein biomaterials for use in ocular surgery	Julio Lloret-Fillol - I.26 From Well-defined Coordination Complexes towards Materials for Artificial Photosynthesis
11 - 11.20am	Functional Materials Contributed 5 Chair: David Williams	Materials Synthesis and Characterisation Contributed 4 Chair: Chris Bumby	Future Devices and Technologies Contributed 4 Chair: Saurabh Bose	Materials and Technologies for Biological Applications Contributed 4 Chair: Maan Alkai	Materials and Devices for Energy Sustainability Contributed 3 Chair: Kamal Patil
	Paul Baek - C70 UV-curable Highly Elastomeric Conducting Polymers for Stretchable Electronics	Mark Waterland - C74 Characterising 2D nanoribbon edges with IR and Raman spectroscopy	Simon Brown - C78 Self-assembled percolating networks for brain-inspired computing	Rebecca Soffe - C82 Building an Artificial-Leaf-on-a-Chip	Sreelakshmi Chandrabose - C86 High exciton diffusion in Fused Ring Electron Acceptor films
11.20 - 11.40am	Yen Truong - C71 Functional Cross-Linked Electrospun Polyvinyl Alcohol Membranes and Their Potential Applications	Colleen Marlow - C75 Experimental investigation of the transport asymmetry in sparse networks of randomly aligned carbon nanotubes	Felicia Ullstad - C79 Making magnetic tunnel junctions using contrasting intrinsic ferromagnetic semiconductors	Michel Nieuwoudt - C83 Probing benign skin lesions with Raman spectroscopy	Sean Collins - C87 Interfacial charge transfer between gold nanorods and electropolymerized metallophthalocyanine nano-coatings
11.40 - 12noon	Jadranka Travas-Sejdic - C72 Functionalisation of Conducting Polymers: Towards Advanced Electronic Biomaterials for Biomedical Applications	Yung-Sen Lin - C76 Synthesis of flexible organosilicon oxynitride films using an atmospheric pressure plasma jet for enhancing scratch resistance of flexible carbon fiber-reinforced polymer composites	Alex Risos - C80 Future's sensing platforms using light and electric fields.	Yiling Sun - C84 Trapping and Maintenance of Individual Zoospores On-Chip for Single Cell Protrusive Force Measurements	Shinuk Cho - C88 High efficiency polymer homo-tandem solar cells with carbon quantum dot doped tunnel junction intermediate layer
12 - 12.20pm	Michael Price - C73 Long range exciton transport in conjugated polymer nanofibers prepared by seeded growth	Carla Meledandri - C77 Nano-MOF Engineering Using Microemulsions	Pawel Wagner - C81 Developing Photosensitive Droplets for Chemopropulsion	Ankita Gangotra - C85 Nanoaspiration: Towards Mechanical Sensing on the Nanoscale	Jin Young Kim - C89 Nanoparticle-Enhanced Silver Nanowire Plasmonic Electrodes for High-Performance Organic Optoelectronic Devices
12.20 - 1.30pm	Lunch break - Oceania Level 3				
1:30 - 2:15pm	Keynote 5 - Dr Anna Phan - The Possible Applications of Near Term Quantum Computers - Amokura Gallery Level 4 Chair: Simon Brown				
2:15 - 3pm	Keynote 6 - Dr Thomas Watson - Quantum Computing with Spins in Silicon - Amokura Gallery Level 4 Chair: Simon Brown				
3 - 3.30pm	Coffee break - Oceania Level 3				
3.30 - 4.15pm	Keynote 7 - Associate Professor Brigitte Stadler - Micro- and Nanoreactors in Cell Mimicry - Amokura Gallery Level 4 Chair: Jeff Tallon				
4:15 - 5pm	Keynote 8 - Dr Cathy Foley - One HTS Josephson Junction - An Array of Applications: Has anything come from research on HTS devices in the last 30+ years? - Amokura Gallery Level 4 Chair: Jeff Tallon				
6.30pm - late	Conference Dinner - Amokura Gallery Level 4				

Thursday 14 February

8.30am	Registration opens - Soundings Theatre Level 2				
9 - 10am	Plenary 4 - Professor Joachim Spatz - Matter to Life: Assembly of Synthetic Cells - Amokura Gallery Level 4 Chair: Jadranka Travas-Sejdic				
10 - 10.30am	Morning tea - Oceania Level 3				
	Amokura Gallery		Rangimarie 1		Icon
10.30 - 11am	Functional Materials Invited Speaker 6 Chair: Simon Granville	Materials Synthesis and Characterisation Invited Speaker 5 Chair: Duncan McGillivray	Theory and Modelling of Materials and Devices Invited Speaker 3 Chair: Elke Pahl	Soft Matter Invited Speaker 3 Chair: Renee Goreham	Material and Devices for Energy Sustainability Invited Speaker 4 Chair: Paul Kruger
	Axel Hoffmann - I.27 Topological Quasiparticles Magnetic Skyrmions	Paula Angelome - I.28 Nanomaterials obtained by chemical synthesis: design, characterization and applications	Marco Polini - I.29 Viscous electron transport	Harm-Anton Klok - I.30 Polymers at synthetic and living surfaces	Tae-Hyuk Kwon - I.31 Carbon Modifications for Energy Storage System
11 - 11.20am	Functional Materials Contributed 6 Chair: Simon Granville	Materials Synthesis and Characterisation Contributed 5 Chair: Duncan McGillivray	Theory and Modelling of Materials and Devices Contributed 3 Chair: Elke Pahl	Soft Matter Contributed 3 Chair: Renee Goreham	Materials and Devices for Energy Sustainability Contributed 4 Chair: Paul Kruger
	Konrad Suschke - C90 Near-Surface Cobalt Implantation into Amorphous Carbon Films: Observation of Complex Magnetic Nanostructures and Multiple Magnetic Phases	Anna Garden - C94 Contrasting the motif preference of platinum and gold nanoclusters between 55-309 atoms	Bushra Anam - C98 Exploring group 13 structures: Elemental 2-dimensional Gallium, Aluminium, and Indium	Kyle Webster - C102 Engineering, Functionalisation, and Peptide Templated Self-assembly of Human Peroxiredoxin Three	Han Y Woo - C106 Single Component OPVs Based on Oligothiophene-Fullerene Conjugate
11.20 - 11.40am	Nadine J. van der Heijden - C91 Magnonic crystal bottom-up synthesis through self-assembly	Erin Leitao - C95 Towards the next generation of polymeric materials	Michael Kammermeier - C99 Control of spin helix symmetry in semiconductor quantum wells by crystal orientation	Rona Chandrawati - C103 Liposome-based nanosensors for chemical and biological sensing	Nathaniel Davis - C107 Single Fission and Triplet Transfer to PbS Quantum Dots in TIPS-Tetracene Carboxylic Acid Ligands
11.40 - 12noon	Andris Sutka - C92 Triboelectric Nanogenerator from Inversely Polarised Ferroelectric Contacting Layers	Marion Dubernet - C96 Luminescent nanocomposite thin films of molybdenum metal clusters for energy applications	Nicola Gaston - C100 The electronic and thermodynamic properties of two-dimensional gallium	Shinji Kihara - C104 Small angle neutron scattering study of soft and hard component of protein corona	Justin Hodgkiss - C108 Ultrafast photoinduced refractive index changes in metal halide perovskites
12 - 12.20pm	Michael Slota - C93 Electron coherence transfer in magnetic graphene nanoribbons	Mieczyslaw Lapkowski - C97 Bis-pyrimidine segment as novel conjugated polymer-building blocks	Krista Steenbergen - C101 Gallium Nanotubes	Isabela Monteiro - C105 Self-assembling block copolymer for signalling molecules delivery by collagen layer degradation	Sajal Biring - C109 Influence of Inhomogeneous Schottky Barrier on V _{oc} in Small Molecular Organic Photovoltaics
12.20 - 1.30pm	Lunch break - Oceania Level 3				
1:30pm - 2:30pm	Plenary 5 - Distinguished Professor Dame Margaret Brimble - Applications of Peptide-Based Materials: Drugs, Vaccines and Biomaterials - Amokura Gallery Level 4 Chair: Shane Telfer				
2.30 - 3pm	Closing Ceremony - Amokura Gallery Level 4				