MONDAY, 27 NOVEMBER 2023

	Tutorial Program @ University of Melbourne	Tutorial Program @ RMIT University
8:30 AM - 9:00 AM	**UoM Coffee and Registration**	
9:00 AM - 9:30 AM		**RMIT Coffee and Registration**
9:00 AM - 10:00 AM	**Tutorial 1: Photoluminescent and Photochromic Materials - Quantum Dot Synthesis and Characterisation** Prof Paul Mulvaney	
9:30 AM - 10:30 AM		**Tutorial**
10:00 AM - 11:00 AM	**Tutorial 2: Photocatalysis - Introduction to Photocatalysis** Dr Cameron Shearer and Prof Gregory Metha	
10:30 AM - 11:00 AM		**RMIT Morning Tea**
11:00 AM - 11:30 AM	**UoM Morning Tea**	
11:00 AM - 12:30 PM		**Workshop**
11:30 AM - 12:30 PM	**Tutorial 3: Photonics, Plasmonics, and Polaritonics, inc. 2D materials - Plasmon-based chemistry** Prof Kosei Ueno	
12:30 PM - 1:00 PM		**Discussion**

12:30 PM - 1:30 PM	**Tutorial 4: Photochromic Materials - Photochromic reactions: basics and advanced photofunctions** Prof Yoichi Kobayashi	
1:00 PM - 2:00 PM		**RMIT Lunch and Finish** Attendees for the Quantum Workshop are welcome to travel to University of Melbourne for the remainder of the tutorial workshop there.
1:30 PM - 2:30 PM	**UoM Lunch**	
2:30 PM - 3:30 PM	**Tutorial 5: Solar Energy Materials - Dye Assemblies in Light Harvesting** A/Prof Wallace Wong	
3:30 PM - 4:00 PM	**UoM Afternoon Tea**	
4:00 PM - 5:00 PM	**Tutorial 6: Spectroscopy and Dynamics - Developing new spectroscopy using ultrashort optical pulses** Prof Tahei Tahara	
7:00 PM - 9:00 PM	**Welcome Reception, Eureka 89**	

TUESDAY, 28 NOVEMBER 2023

	Stream 1	Stream 2	Stream 3
8:30 AM - 8:45 AM	**Welcome to Country** Presented by Wurundjuri Man Colin Hunter Jnr Jnr, an elder of the Wurundjeri Woi Wurrung people of the Kulin Nation		
8:45 AM - 9:00 AM	**Opening Remarks** Prof Trevor Smith		
9:00 AM - 9:40 AM	**AW001 - Carrier Dynamics of the Lead Halide Perovskite Nanocrystals** Masuhara Lectureship Award Prof Anunay Samanta		
9:40 AM - 9:45 AM	**Tuesday morning 5 minute changeover**		
9:45 AM - 10:35 AM	**Spectroscopy and Dynamics 1**	**Photoluminescent and Photochromic Materials 1**	
9:45 AM - 10:15 AM	**KN001 - Tracking ultrafast photochemistry at the water surface by phase-sensitive nonlinear spectroscopy** Prof Tahei Tahara	**KN002 - Nontoxic and Robust Hybrid Copper Halides for Solid-State Lighting Technologies** Prof Jing Li	
10:15 AM - 10:35 AM	**C001 - Ultrafast light-driven electron transfer in multiheme cytochrome nanowires** Dr Christopher Hall	**C002 - Shining a Light on Chemical Sensors and Stimuli Responsive Materials** Dr Carol Hua	
10:35 AM - 11:00 AM	**Tuesday Morning Tea**		
11:00 AM - 12:40 PM	**APA Prize for Young Scientist Presentations**	**Photoluminescent and Photochromic Materials 2**	**Solar Energy Materials and Devices 1**
11:00 AM - 11:20 AM	**PZ001 - Extending photoredox catalyst activity through choice of electron donor**	**IN001 - Spatiotemporal control of photochromic reaction based on oxygen regulation using**	**IN002 - Strategies for Enhanced Stability of Black-CsPbI3**

	Stream 1	Stream 2	Stream 3
	APA Prize for Young Scientist Dr Tim Connell	**supramolecular gel** Dr Yuki Nagai	**Photovoltaic Films** Prof Maarten Roeffaers
11:20 AM - 11:40 AM	**PZ002 - Towards highly efficient circularly polarized luminescence in chiral supramolecular assemblies** APA Prize for Young Scientist Prof Pengfei Duan	**C003 - Unlocking the Colorful World of Spiro-Rhodamines: Rational design and characterization of Switchable Molecules** Miss Julieta Alday	**C007 - Improved control of perovskite thin film fabrication via optical In-Situ spectroscopy and reactive spin coating** Mr Simon Biberger
11:40 AM - 12:00 PM	**PZ003 - Study on Emergent Photophysical Properties of Organic Dyes and the Applications** APA Prize for Young Scientist Dr Hajime Shigemitsu	**C004 - Systematic Tuning of Electronic States in Donor-Acceptor Dyes; Steps Towards Designer Compounds for Modern Technologies** Mr Samuel Harris	**C008 - Dual-direction Energy Harvesting and Strong Light-Matter Coupling in Twisted Perylene Organic Photovoltaics** Ms Alison Goldingay
12:00 PM - 12:20 PM	**PZ004 - A General Fluorescence-Based Method for Quantifying and Mapping Biomolecular Polarity** APA Prize for Young Scientist A/Prof Yuning Hong	**C005 - Photoswitchable Metal-Organic Frameworks for Chiroptical Devices** Miss Katelyn Clutterbuck	**C009 - Metal-free photocatalyst for hydrogen production at extended visible light** Dr Mohammad Rahman
12:20 PM - 12:40 PM	**PZ005 - Investigations of Electrified Interfaces under Plasmon Excitations through Electrochemical Spectroscopic Measurements** APA Prize for Young Scientist Dr Hiro Minamimoto	**C006 - Excited state engineering in silver nanocluster for bright near-infrared emission via silver complexes modification** Mr Wataru Ishii	**C010 - Perovskite Quantum Dots for Solar Cells and Beyond** Prof Lianzhou Wang
12:40 PM - 1:40 PM	**Tuesday Lunch**		
1:40 PM - 2:20 PM	**PL001 - Quantum Engineering of Exciton Transport and Annihilation** Prof Libai Huang		

	Stream 1	Stream 2	Stream 3
2:20 PM - 2:25 PM	**Tuesday afternoon 5 minute changeover**		
2:25 PM - 3:25 PM	**Spectroscopy and Dynamics 2**	**Photoluminescent and Photochromic Materials 3**	**Photonics, Plasmonics, and Polaritonics, inc. 2D materials 1**
2:25 PM - 2:45 PM	**C011 - Ultrafast Excited State Dynamics in Porphyrin Donor Dyads** Dr Nina Novikova	**C014 - Investigations of a ferrocene-based dual-responsive chiroptical switch** Mr Lyndon Hall	**IN003 - Surface engineering of plasmonic nanowire toward novel platform of intracellular material delivery and sensing** Dr Tomoko Inose
2:45 PM - 3:05 PM	**C012 - Conspicuous assignment of organic vibrational mods of CH3NH3PbBr3: Raman spectroscopy and first-principles calculations** Dr Yu-Bing Lan	**C015 - Frequency modulated photoluminescence and electroluminescence for polaritonic light emitting diodes** Dr Shi Tang	**C017 - Pushing to MWIR and Beyond: Colloidal InSb Quantum Dot Photodetectors** Dr Wei Luo
3:05 PM - 3:25 PM	**C013 - A link between shape dependent lifetimes of quantum structures and thermal escape** Dr Hugh Sullivan	**C016 - Toward photoinduced reversible switching of charge mobility in the solid state** Dr Chiara Taticchi	**IN004 - Graphene-Based Photodetectors: Some Attempts Towards High Performance and Intelligence** Prof Xingzhan Wei
3:25 PM - 3:50 PM	**Tuesday Afternoon Tea**		
3:50 PM - 5:15 PM	**Spectroscopy and Dynamics 3**	**Photoluminescent and Photochromic Materials 4**	**Photonics, Plasmonics, and Polaritonics, inc. 2D materials 2 and Transition Metal Photochemistry**
3:50 PM - 4:10 PM	**IN005 - Designing an Artificial Light Harvesting System and Monitoring Conformational Dynamics of i-motif DNA Using FRET** Prof Saptarshi Mukherjee	**IN006 - Quantitative and Selective Bidirectional Photoisomerization with Visible and Near-Infrared Light of 3-Phenylperylenyl-Bridged**	**IN007 - Plasmon-enhanced photoluminescence of Au nanostructured transition metal dichalcogenide heterostructures** Prof Kosei Ueno

	Stream 1	Stream 2	Stream 3
		Imidazole Dimer Prof Jiro Abe	
4:10 PM - 4:30 PM	**C018 - Ultrafast coherent dynamics and interactions in 2D semiconductors and their heterostructures** Prof Jeff Davis	**C021 - Enhancing Upconversion Emission by Dye Hybrid Strategy** Dr Gouchen Bao	**C024 - Photobleaching effect in chemically treated WS2** Miss Eliza Rokhsat
4:30 PM - 4:50 PM	**C019 - Elucidating Deactivation Mechanisms in NIR Organic Semiconducting Emitters: Insights from Advanced Ultrafast Spectroscopy Techniques** Dr Kai Chen	**C022 - Synthesis of Novel Mediator-Emitter Conjugates for Applications in Hybrid Nanomaterial-Organic Dye Upconversion Systems** Miss Lara Browne	**C025 - Multi-photon Photoredox Catalysis and Electrochemiluminescence** Prof Paul Francis
4:50 PM - 5:15 PM	**C020 - Ultrafast Deformation Dynamics of Cycloparaphenylenes in the Excited State Probed by Femtosecond Stimulated Raman Spectroscopy** Dr Hikaru Sotome	**C023 - Photochromic Dyes for Dye-sensitized Solar Cells** Prof Chun-Guey Wu	**C026 - Biocompatible Electrochemiluminescence and Photocatalysis with Water Soluble N-Methyl(pyridyl)pyridinium Cyclometalated Iridium(III) Complexes** Mr Steven Blom
5:15 PM - 6:45 PM	**Poster Session A**		

WEDNESDAY, 29 NOVEMBER 2023

	Stream 1	Stream 2	Stream 3
9:00 AM - 9:40 AM	**PL002 - Photocatalysis in a New Light: A Biohybrid Approach for Enhanced Reactivity with Low-Energy Excitation** A/Prof Gabriela Schlau-Cohen		
9:40 AM - 9:45 AM	**Wednesday morning 5 minute changeover**		
9:45 AM - 10:35 AM	**Photonics, Plasmonics, and Polaritonics, inc. 2D materials 3 and Photocatalysis 1**	**Photophysics and Photochemistry 1**	
9:45 AM - 10:15 AM	**KN003 - Surface-enhanced Raman Scattering Platforms Assisted by Machine Learning for Predictive Biosensing Applications** Prof Xingyi Ling	**KN004 - Science of Triplet Excitons** Prof Satish Patil	
10:15 AM - 10:35 AM	**C027 - Decomposition of Perfluoroalkyl Substances by Irradiation of Incoherent Visible Light to Semiconductor Nanocrystals** Prof Yoichi Kobayashi	**C028 - Highly Photosensitive Photochromic Terarylenes, Simultaneously Enhanced Photoreactivity and Extinction Coefficient** Dr Tsuyoshi Kawai	
10:35 AM - 11:00 AM	**Wednesday Morning Tea**		
11:00 AM - 12:40 PM	**APA Award Presentations and Photocatalysis 2**	**Photophysics and Photochemistry 2**	**Solar Energy Materials and Devices 2 and Theoretical Photochemistry 1**
11:00 AM - 11:20 AM	**PZ006 - Development of dye-sensitized molecular photocathodes in photoelectrochemical cells for CO2 reduction with water**	**IN008 - Excitons in Halide Perovskite Nanocrystals and Assemblies** Prof Vasudevanpillai Biju	**IN009 - Photophysics of Non-fullerene Acceptor Organic Solar Cells** Dr Julien Gorenflot

	Stream 1	Stream 2	Stream 3
	APA Award for Distinguished Achievements Prof Osamu Ishitani		
11:20 AM - 11:40 AM	**PZ007 - Control of Photoreactivity and Development of Photoresponsive Functional Materials** APA Award for Distinguished Achievements Prof Narasimha Moorthy Jarugu	**C032 - Understanding the vacancy-mediated energy transfer from perovskite hosts to lanthanide dopants for efficient quantum cutting** Dr Manoj Sharma	**C036 - Highly Flexible and Acid-Alkali Resistant TiN Nanomesh Transparent Electrodes for Next-Generation Optoelectronic Devices** Dr Eser Akinoglu
11:40 AM - 12:00 PM		**C033 - Physical Property and Chemical Reaction of Materials under Extreme High Pressure** Prof Guoqiang Yang	**C037 - Enhancing Photochemical Conversion with Triplet-Triplet Annihilation Upconversion** Prof Yi Li
12:00 PM - 12:20 PM	**C030 - Unraveling the structure-activity-selectivity relationships in furfuryl alcohol photoreforming to H2 and hydrofuroin over ZnxIn2S3+x photocatalysts** Dr Denny Gunawan	**C034 - Study on the photodegradation mechanism of chain-linked Pyrene/DMA exciplex system** Mr Yeongcheol Ki	**C038 - Singlet fission in thin films of TIPS-Anthracene** Mr Damon de Clercq
12:20 PM - 12:40 PM	**C031 - Photochemical C-H Oxygenation of Hydrocarbons with Chlorine Dioxide** Prof Kei Ohkubo	**C035 - Improving Photochemical Upconversion via Steering Energy Gradient** Prof Yi Zeng	**C039 - Density functional theory for difficult excited states** A/Prof Tim Gould
12:40 PM - 1:40 PM	**APA Committee Meeting** Invite Only		
	Wednesday Lunch		
1:40 PM - 2:20 PM	**PL003 - Astrochemistry investigated with para-hydrogen matrix spectroscopy** Prof Yuan-Pern Lee		

	Stream 1	Stream 2	Stream 3
2:20 PM - 2:25 PM	**Wednesday afternoon 5 minute changeover**		
2:25 PM - 3:25 PM	**Photocatalysis 3**	**Photophysics and Photochemistry 3**	**Theoretical Photochemistry 2**
2:25 PM - 2:45 PM	**C040 - Metal doping of perovskite metal oxides to enhance photocatalysis** Dr Cameron Shearer	**C043 - Tuning the Photoluminescence Anisotropy of Semiconductor Nanocrystals** Mr Gangcheng Yuan	**C046 - The Up's and Down's of Internal Conversion from first principles** Dr Anjay Manian
2:45 PM - 3:05 PM	**C041 - Observation of local charge carrier dynamics for Pt/TiO2 by using the time-resolved pattern-illumination phase microscopy** Mr Yuta Egawa	**C044 - Binaphthalimide Scaffolds with Thermally Activated Delayed Fluorescence Based on Davydov Splitting** Mr Yugo Tsuji	**C047 - The Extreme Confinement Regime: A Critical Juncture for the Mechanical and Optical Properties** Mr Zifei Chen
3:05 PM - 3:25 PM	**C042 - Implications of Back-Electron Transfer in Photoredox Catalysis** Miss Felicity Draper	**C045 - Characterising the photophysics of BODIPY: a widely used lipid droplet dye** Dr Ashley Rozario	**C048 - Simulations of photophysical properties of TADF and anti-Hund molecules** Prof Piotr De Silva
3:25 PM - 3:50 PM	**Wednesday Afternoon Tea**		
3:50 PM - 5:15 PM	**Photocatalysis 4**	**Photophysics and Photochemistry 4**	**Spectroscopy and Dynamics 4**
3:50 PM - 4:10 PM	**IN010 - Visible-Light Photocatalysis with Surface Engineered Nanomaterials** Dr Pramod Padmanabha Pillai	**IN011 - Anisotropic surface quenching of single upconversion nanoparticles** A/Prof Jiajia Zhou	**IN012 - Pump-Probe Spectroscopic Study Toward Exciton Dynamics in Optronic Materials** Prof Jaehong Park
4:10 PM - 4:30 PM	**C049 - Overlayers in photocatalytic applications** Prof Gregory Metha	**C052 - Molecular Cages for Nanocrystal Synthesis: Towards Microporous Photosensitizers** Mr Michael Wilms	**C055 - The role of oxygen in the photophysics and photodegradation of polyacenes** Dr Alexandra Stuart

	Stream 1	Stream 2	Stream 3
4:30 PM - 4:50 PM	**C050 - Synthesis of Organic Conjugated Molecules as Catalysts for Carbon-dioxide Photoreduction** Prof Yu-Ying Lai	**C053 - Unique Photochemical Behavior of Dyes on the Inorganic Flat Surface** Prof Shinsuke Takagi	**C056 - Singlet Fission, Intersystem Crossing and Triplet Dynamics of TIPS-Pentancene** A/Prof Tak Kee
4:50 PM - 5:15 PM	**C051 – Bimetallic Shells on Semiconductor Nanoparticles** Dr Anchal Yadav	**C054 - Study of the Decomposition of Hydrofluoroolefins** Mr Matthew Taylor	**C057 - Deciphering Coherence Transfer in Bacterial Reaction Centers Through Two Dimensional Electronic Spectroscopy** Dr Vivek Tiwari
5:15 PM - 6:45 PM	**Poster Session B**		

THURSDAY, 30 NOVEMBER 2023

	Stream 1	Stream 2	Stream 3
9:00 AM - 9:40 AM	**AW002 - My Journey to the Molecular Excitonic World** Masuhara Lectureship Award Prof Dongho Kim		
9:40 AM - 9:45 AM	**Thursday morning 5 minute changeover**		
9:45 AM - 10:35 AM	**Photonics, Plasmonics, and Polaritonics, inc. 2D materials 4**	**Photobiology - Photosynthesis and Bioimaging 1**	
9:45 AM - 10:15 AM	**KN005 - Nanophotonic metasurfaces for enhancing photochemistry and energy conversion** Prof Stefan Maier	**KN006 - Functional Bond-Selective Imaging for Subcellular Bioanalysis** Dr Lu Wei	
10:15 AM - 10:35 AM	**C058 - Tuning Light–Matter Interactions with Mid-Infrared Resonators** Mr Goekalp Engin Akinoglu	**C059 - Fluorescence fluctuation spectroscopy of protein transport as a function of oligomeric state** Dr Elizabeth Hinde	
10:35 AM - 11:00 AM	**Thursday Morning Tea**		
11:00 AM - 12:40 PM	**Photonics, Plasmonics, and Polaritonics, inc. 2D materials 5**	**Photobiology - Photosynthesis and Bioimaging 2**	**Photophysics and Photochemistry 5**
11:00 AM - 11:20 AM	**IN013 - Control of Reactions and Crystallization under Vibrational Strong Coupling** A/Prof Kenji Hirai	**IN014 - Cancer therapy using photochemical reactions** Prof Mikako Ogawa	**IN015 - Single particle dynamics of water soluble semiconductor nanocrystals** Prof Anindya Dutta
11:20 AM - 11:40 AM	**C060 - Collectivity and Energy Transfer in Optical Cavities** Dr James Hutchison	**C064 - Ultra-resolution in the T cell nucleus with single molecule expansion microscopy** A/Prof Toby Bell	**C067 - Nanoscale spectroscopy of halide perovskite films, nanocrystals and related systems** Prof Martin Vacha

	Stream 1	Stream 2	Stream 3
11:40 AM - 12:00 PM	**C061 - Light Induced Lattice Modulation of 2D Mixed Halide Perovskites** Dr Wenxin Mao	**C065 - Nanoparticle-enhanced infrared neuromodulation for retinal prostheses** Prof Paul Stoddart	**C068 - Photoinduced Energy Transfer from InP Quantum Dots to mCherry** Miss Devika Rajan
12:00 PM - 12:20 PM	**C062 - Optical trapping and swarming of gold nanoparticles: Optical and material control of its morphology** Prof Hiroshi Masuhara	**C066 - Voltage imaging with fluorescent nanoparticles** Dr Blanca del Rosal	**C069 - Light Harvesting Studies with Indium Phosphide Quantum Dots** Mr Pradyut Roy
12:20 PM - 12:40 PM	**C063 - Cavity controlled photophysics in organic semiconductors** A/Prof Girish Lakhwani	**SP001 - ByteScience: A Large Language Model Platform to Extract Complex Structured Materials Information at Scale** Dr Shaozhou Wang	**C070 - Fluoroform production from trifluoroacetaldehyde photolysis and implications for the atmospheric decomposition of hydrofluoroolefins** Dr Christopher Hansen
12:40 PM - 1:40 PM	**Thursday Lunch**		
1:40 PM - 2:20 PM	**PL004 - Water splitting photocatalysts and their application for solar fuels production** Prof Kazunari Domen		
2:20 PM - 2:25 PM	**Thursday afternoon 5 minute changeover**		
2:25 PM - 3:25 PM	**Photonics, Plasmonics, and Polaritonics, inc. 2D materials 6**	**Photocatalysis 5**	**Solar Energy Materials and Devices 3**
2:25 PM - 2:45 PM	**C071 - Double Resonance Raman for Defect Analysis in 2D Materials and Devices** Dr Sam Brooke	**C074 - Tantalum-Based Metal Oxides for the Photocatalytic Degradation of PFAS** Miss Rachael Matthews	**IN016 - Opportunities and Challenges for Perovskite Solar Cells** Prof Yi-Bing Cheng
2:45 PM - 3:05 PM	**C072 - Photoelectrochemical properties of plasmonic**	**C075 - Identification of contributing factors to photoelectric conversion efficiency for hematite photoanodes**	**C077 - Triplet fusion upconversion from nanoporous**

	Stream 1	Stream 2	Stream 3
	photocathode using nickel oxide Prof Tomoya Oshikiri	**by machine learning** Mr Takumi Idei	**solid-state sensitization** Dr Thilini Ishwara
3:05 PM - 3:25 PM	**C073 - Suppressing Excimer Emission of Multiple-resonant TADF in optical cavities** Dr Inseong Cho	**C076 - Perovskite oxides for photocatalytic water-splitting from visible sunlight** Mr Thomas Small	**CO78 – Understanding the stabilization of perovskite solar cells with Ionic salts** Dr Nitish Rai
3:25 PM - 3:50 PM	**Thursday Afternoon Tea**		
3:50 PM - 5:15 PM	**Photonics, Plasmonics, and Polaritonics, inc. 2D materials 7**	**Photocatalysis 6**	**Solar Energy Materials and Devices 4**
3:50 PM - 4:10 PM	**IN017 - Two-Dimensional Nanoassemblies from Plasmonic Matryoshka Nanoframes** Dr Qianqian Shi	**C082 - The Life Cycle of Polarons in Photocatalytic Organic Donor: Acceptor Nanoparticles** Ms Jessica de la Perrelle	**C085 - Formamidinium Caesium Lead Perovskite Solar Cells from Lead Acetate** Prof Udo Bach
4:10 PM - 4:30 PM	**C079 - Molecular energy transfer in optical microcavities: towards a quantum battery** Mr Daniel Tibben	**C083 - Yolk-Shell Nanostructure a Unique Architecture as a Promising Photocatalyst Towards Photocatalytic Hydrogen Generation** Ms Jyoti Rohilla	**C086 - Investigating New Emitter Molecules For Triplet-Triplet Annihilation (TTA) Upconversion** Mrs Mina Barzegaramiriolya
4:30 PM - 4:50 PM	**C080 - Combinatorial Plasmonics: A Quest for Nanoparticle Assemblies with Maximum Surface-Enhanced Raman Scattering** Prof Sangwoon Yoon	**C084 - Enhanced Photocatalytic Hydrogen Evolution by Pseudo-Homojunction Organic Semiconducting Nanoparticles** Mr Andrew Dolan	**C087 - Reconstructing the Na distribution and revealing its influence on CZTSSe from 2-methoxy ethanol-based precursor solution** Mr Yixiong Ji
4:50 PM - 5:15 PM	**C081 - Size Separation of Quantum Dots with Plasmonic Thin-layer Chromatography** Dr Kazutaka Akiyoshi		**C088 - A Self-assembly Strategy Towards Closing the Lab-to-fab Gap of Organic Photovoltaic** Dr Hua Tang

	Stream 1	Stream 2	Stream 3
7:00 PM - 10:00 PM	**Conference Dinner, InterContinental Melbourne The Rialto**		

FRIDAY, 1 DECEMBER 2023

	Stream 1	Stream 2	Stream 3
9:00 AM - 9:40 AM	**PL005 - Emergent Chiroptical Properties in Assembled Molecules and Materials: From Native Chirality to Global Chirality** Dr George Thomas		
9:40 AM - 9:45 AM	**Friday morning 5 minute changeover**		
9:45 AM - 10:35 AM	**Photonics, Plasmonics, and Polaritonics, inc. 2D materials 8 and Photophysics and Photochemistry 6**	**Spectroscopy and Dynamics 5**	
9:45 AM - 10:15 AM	**KN007 - Quantum-Coherence-Enhanced hot electron transfer at Au nanostructure/TiO2 interface under modal strong coupling** Prof Hiroaki Misawa	**KN008 - UV Spectroscopy and Reaction Kinetics of Criegee Intermediates** Prof Jim Lin	
10:15 AM - 10:35 AM	**C089 - Spin Effects in Triplet–Triplet Annihilation: Rethinking Atkins and Evans' Theory** Ms Roslyn Forecast	**C090 - Quantifying Relaxation Dynamics of High-Lying Excited States in Perylene** Dr Rohan Hudson	
10:35 AM - 11:00 AM	**Friday Morning Tea**		
11:00 AM - 12:40 PM	**Photophysics and Photochemistry 7**	**Spectroscopy and Dynamics 6**	**Photocatalysis 7**
11:00 AM - 11:20 AM	**IN018 - Applications of Lanthanide-Based Nanomaterials in Photochemistry** Prof Edwin Yeow	**IN019 - Exciton Dynamics in Super-Bright, Highly-Pb-Replaced Perovskite Nanocrystal** Prof Prasun Mandal	**C099 - Investigating the Role of Solvent in Cavity Catalysis under Cooperative Vibrational Strong Coupling** Mr Jaibir Singh

11:20 AM - 11:40 AM	**C091 - Solid State Photon Upconversion** Prof Timothy Schmidt	**C095 - Structural changes of chromophores with excited-state intramolecular charge transfer** Prof Yoonsoo Pang	**C100 - Suppression of Phosphine-Protected Au9 Clusters Agglomeration on SrTiO3 Particles Using a Chromium Hydroxide Layer** Mr Abdulrahman S Alotabi
11:40 AM - 12:00 PM	**C092 - Charge Transfer Behaviors Induceds by a Change of Excited-state Aromaticity** Prof Juwon Oh	**C096 - Preparation and Ultrafast Spectroscopy of WS2–Au Nanohybrid Systems for Photocatalysis Under Visible Light** Prof Akihiro Furube	**C101 - Machine learning for optimizing cobalt phosphate deposition parameters on thin film α-Fe2O3** Mr Siyan Chen
12:00 PM - 12:20 PM	**C093 - Quasi-reversible photoinduced displacement of perylenebisimide derivatives from semiconductor nanocrystals** Mr Daisuke Yoshioka	**C097 - Gold Nanodrum Resonators** Dr Jialu Li	**C102 - Dual-functional photocatalysts for simultaneous H2 production and biomass conversion** Mr Mahmoud Gharib
12:20 PM - 12:40 PM	**C094 - Hot Carrier Cooling Dynamics in Lead Halide Perovskites via Ultrafast Multi-Pulse Spectroscopy** Dr Ben Carwithen	**C098 - State-Specific Chemical Dynamics of the Novalence-Bound State of the Anion** Prof Sang Kyu Kim	**C103 - Perovskite Photocatalysts for Environmental Remediation** Ms Mabel Day
12:40 PM - 1:40 PM	**Friday Lunch**		
1:40 PM - 2:20 PM	**PL006 - By passing wires – Monolithic Integrated Devices for Solar Driven Hydrogen Production and Solar Batteries** Prof Anita Ho-Baillie		
2:20 PM - 2:25 PM	**Friday afternoon 5 minute changeover**		
2:25 PM - 3:45 PM	**Solar Energy Materials and Devices 5**	**Spectroscopy and Dynamics 7**	**Photocatalysis 8**
2:25 PM - 2:45 PM	**IN020 - Exploring the Exciton Dynamics at Multiple Temporal**	**IN021 - Excited State Dynamics by Time-Resolved Spectroscopies and**	**C110 - Machine Learning for Investigating the Factors**

	Scales in Non-Fullerene Organic Photovoltaic Devices Prof Xiao-Tao Hao	**Molecular Dynamics Simulations** Prof Taiha Joo	**Contributing to the Performance of WO3/BiVO4 Photoanode Electrodes** Miss Moeko Tajima
2:45 PM - 3:05 PM	**C104 - Light Harvesting with Organic Fluorophores** A/Prof Wallace Wong	**C107 - Active characterizations of biological macromolecules at the single-molecule level by optical tweezers-coupled Raman spectroscopy** Prof Jinqing Huang	**C111 - Efficient Binding Au9 Clusters to SMTiO2: Study of Photocatalytic Degradation of Azo Dyes by RSM** Mrs Anahita Motamedisade
3:05 PM - 3:25 PM	**C105 - Effect of Organic Spacer Cation on Dark Excitons in 2D Perovskites via Magneto-Optical Spectroscopy** Dr Christopher Bailey	**C108 - Observation of lasing dynamics in a CH3NH3PbBr3 crystal by femtosecond transient absorption microscopy** Dr Tetsuro Katayama	**C112 - Evolving Hydrogen Gas Using Triplet Excitons Of An Organic Photocatalyst** Mr Harrison Mcafee
3:25 PM - 3:45 PM	**C106 - Coupling Singlet Fission Molecules to Mixed Dimensional Perovskites** Dr Nathaniel Davis	**C109 - Intermittency Analysis: Probability Density Distribution (PDD) to Fluorescence Lifetime Correlation Spectroscopy (FLCS)** Mr Vishnu Eyyanikattil Krishnan	