



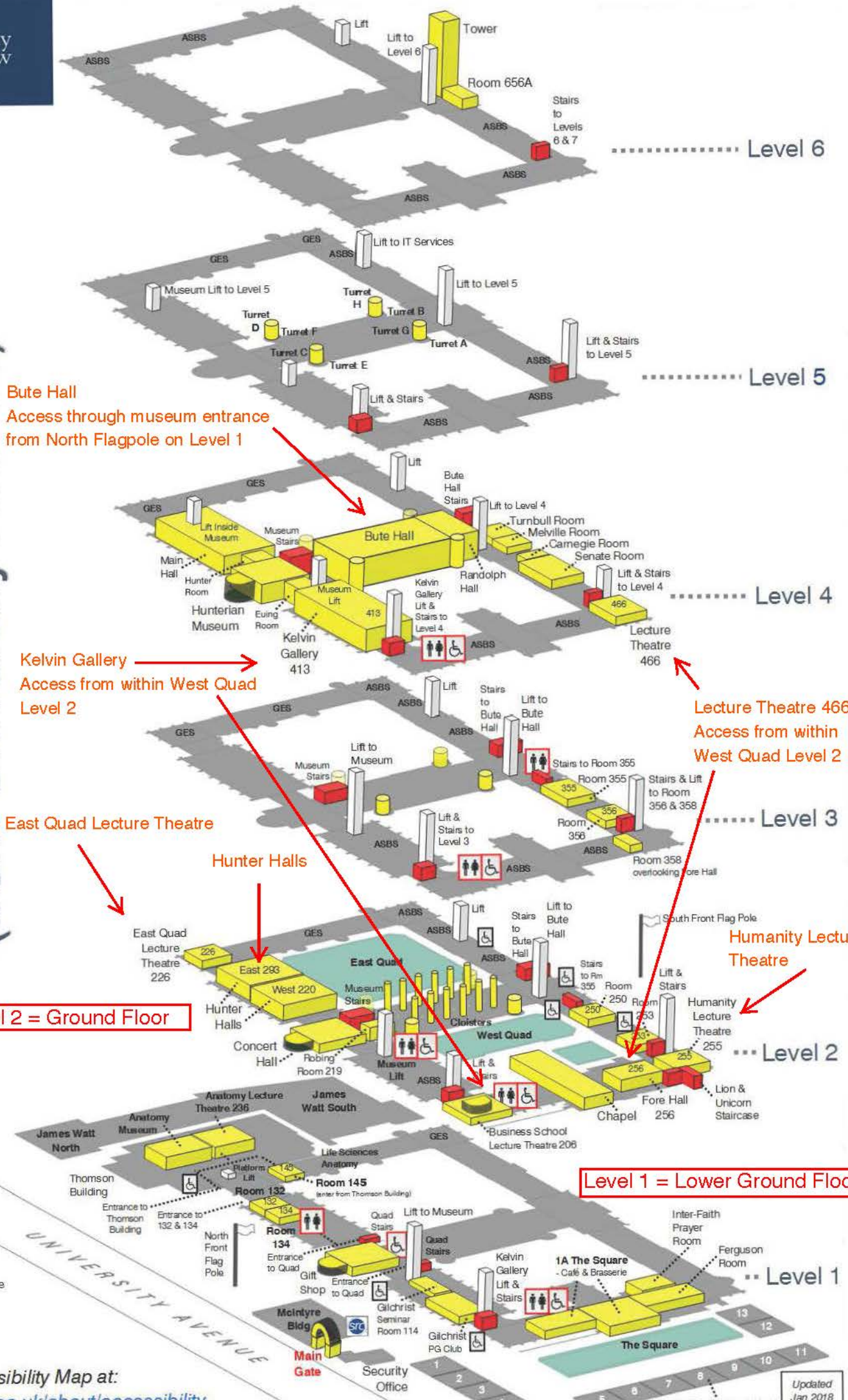
ICSM2022

17-22 JULY | GLASGOW

ICSM 2022 Programme



GILBERT SCOTT BUILDING
(from University Avenue)



Bute Hall
Access through museum entrance from North Flagpole on Level 1

Kelvin Gallery
Access from within West Quad Level 2

East Quad Lecture Theatre

Hunter Halls

Lecture Theatre 466
Access from within West Quad Level 2

Humanity Lecture Theatre

Level 2 = Ground Floor

Level 1 = Lower Ground Floor

- ASBS - Adam Smith Business School
- GES - Geographical & Earth Sciences
- Accessible Entrance
- Accessible Toilets
- Toilets

Find the Accessibility Map at:
www.glasgow.ac.uk/about/accessibility

Updated Jan 2018

SUNDAY 17 JULY 2022

TIME	TITLE	VENUE
18:00 - 20:00	Civic Welcome Reception	Hunter Halls

MONDAY 18 JULY 2022

Plenary Session - Bute Hall

TIME	SPEAKER	TITLE	VENUE
08:30 - 09:15	Iain McCulloch	Designing Organic Semiconductors – Atom by Atom	Bute Hall
09:15 - 10:00	Chihaya Adachi	Recent progress of blue hyperfluorescence OLED	Bute Hall

10:00 - 10:30 Refreshment Break - Hunter Halls

OLED 1 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Andrew Monkman	The simple little Thermally Activated Delayed Fluorescence molecule that breaks all the rules!	Bute Hall
10:55 - 11:10	Anna Painelli	Estimating (R)ISC rates: moving on slippery ground	Bute Hall
11:10 - 11:25	Stefan Diesing	Kinetic analysis of rising photoluminescence of thermally activated delayed fluorescence emitters	Bute Hall
11:25 - 11:50	Peter Gilch	HIGHrISC in Aromatic Carbonyls and its Implications for OLED Applications	Bute Hall
11:50 - 12:05	Fernando B. Dias	Influence of Molecular Geometry and Electron-Withdrawing Strength on Thermally Activated Delayed Fluorescence in Donor-Acceptor Systems	Bute Hall
12:05 - 12:20	Prakhar Sahay	Influence of TADF emitters on spontaneous orientation polarization in organic light emitting diodes	Bute Hall

OPV and photodiodes 1 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Justin Hodgkiss	High exciton diffusion coefficients in fused-ring electron acceptor films	438B James McCune Smith Building
10:55 - 11:10	Drew B Riley	Measuring exciton diffusion lengths in organic semiconductors	438B James McCune Smith Building
11:10 - 11:25	Mohammed Azzouzi	What Limits the Fill-Factor of Organic Solar Cells Based on Marginal Exciton-Charge-Transfer State Offset Blends	438B James McCune Smith Building
11:25 - 11:50	Natalie Banerji	Terahertz conductivity in electrochemically doped conjugated polymers	438B James McCune Smith Building
11:50 - 12:05	Alexander Sneyd	Efficient Energy Transport in Organic Semiconductors Mediated by Transient Exciton Delocalization	438B James McCune Smith Building
12:05 - 12:20	Wenchao Yang	Kinetic Monte Carlo simulation of exciton dynamics in nonfullerene electron acceptors	438B James McCune Smith Building



MONDAY 18 JULY 2022

Theory and data science 1 - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Alessandro Troisi	Searching for the best molecular semiconductors	Humanity Lecture Theatre
10:55 - 11:10	Liangxuan Wang	Theoretical and experimental evidence of tautomerization of single hypericin molecules in tunable optical $\lambda/2$ microcavities	Humanity Lecture Theatre
11:10 - 11:25	Dang Khoa Andrea Phan Huu	TADF in organic matrices: a detailed model of environmental effects	Humanity Lecture Theatre
11:25 - 11:50	Chad Risko	From molecules to organic semiconductors: The multi-scale challenge of structure from the perspective of modeling	Humanity Lecture Theatre
11:50 - 12:05	Rama Dhali	Understanding Large Dihedral Angle Relaxation of DMAC-py-TRZ: A joint Experimental and Computational Study of TADF Dye	Humanity Lecture Theatre
12:05 - 12:20	Rama Dhali	DMAC-TRZ: A Joint Theoretical and Experimental Study	Humanity Lecture Theatre

Nanomaterials 1 - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Adam Pron	Hybrids of semiconductor nanocrystals with electroactive organic molecules: synthesis, surface functionalization, electrochemical properties and applications	G466 Lecture Theatre
10:55 - 11:10	Adam Creamer	Functionalisation of Semiconducting Polymer Nanoparticles for Targeted Cancer Imaging and Therapy	G466 Lecture Theatre
11:10 - 11:25	Miryam Criado-Gonzalez	Semiconducting polymer porous 3D materials for (bio-opto)electronic applications	G466 Lecture Theatre
11:25 - 11:50	Emmanuel Flahaut	Environmental impact of carbon nanomaterials	G466 Lecture Theatre
11:50 - 12:05	Theresa Eder	Cryogenic spectroscopy of single polymer HJ-aggregate nanoparticles reveals the vibrations responsible for luminescence	G466 Lecture Theatre
12:05 - 12:20	Kai Zhang	Conjugated polymers for visible light-promoted photoredox catalysis	G466 Lecture Theatre

Organic conductors and superconductors 1 & Art Epstein Memorial Session - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:15 - 10:30	Kavassery Sureswaran Narayan	Art Epstein Memorial	East Quad Lecture Theatre
10:30 - 10:55	John Schlueter	Crystallographic and Electronic Structure in BEDT-TTF Salts with Molecular Sulfonate or Polymeric Mercury(II) Anions	East Quad Lecture Theatre
10:55 - 11:10	Dominique Lorcy	Single component conductors based on closed shell metal bis(dithiolene) complexes	East Quad Lecture Theatre
11:10 - 11:25	Alexandre Abhervé	Molecular conductors based on chiral metal-bis(dithiolene) complexes: structures and transport properties under very high pressure	East Quad Lecture Theatre
11:25 - 11:50	Narcis Avarvari	Chiral conducting materials based on metal-dithiolenes and tetrathiafulvalenes	East Quad Lecture Theatre
11:50 - 12:05	Lee Martin	Chiral Conductors from Novel Chiral Donors or Chiral Anions	East Quad Lecture Theatre
12:05 - 12:20	Hatsumi Mori	Proton-electron coupled functionalities in molecular materials	East Quad Lecture Theatre

12:20 - 13:30 Lunch - Hunter Halls



OLED 2 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Martin Bryce	Molecular Designs and Conformational Effects for All-Organic TADF and RTP Emitters	Bute Hall
13:55 - 14:10	David Hall	Diindolocarbazole – achieving multiresonant thermally activated delayed fluorescence without the need for acceptor units	Bute Hall
14:10 - 14:25	Matthew Ward	Chiral functional materials as a platform for emerging electronics	Bute Hall
14:25 - 14:40	Abhishek Gupta	Excited state intramolecular proton transfer based thermally activated delayed fluorescence emitters for solution processable OLEDs	Bute Hall
14:40 - 15:10	Reinder Coehoorn	Excitonic processes in phosphorescent and TADF-type organic light-emitting diodes	Bute Hall

OPV and photodiodes 2 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Moritz Riede	In Situ Microstructural Characterisation of Vacuum-Deposited Organic Thin Films	438B James McCune Smith Building
13:55 - 14:10	Alex Gillett	Spin Management in Organic Solar Cells	438B James McCune Smith Building
14:10 - 14:25	Aswathy Girija	Singlet Fission in Thin Films for Photovoltaics: A Molecular Perspective	438B James McCune Smith Building
14:25 - 14:55	James Durrant	Are charge transfer states important for the function of high performance organic solar cells?	438B James McCune Smith Building
14:55 - 15:10	Johannes Benduhn	Exploiting Photomultiplication for Charge-Transfer States to Achieve Enhanced Narrowband NIR Photodetection	438B James McCune Smith Building

Theory and data science 2 - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	William Barford	Singlet Triplet-Pair Production and Possible Singlet-Fission in Carotenoids	Humanity Lecture Theatre
13:55 - 14:10	Francesco Di Maiolo	Quantum dynamics of exciton transport in semiconducting polymer chains	Humanity Lecture Theatre
14:10 - 14:25	Begona Milian Medina	Dark or Bright - Computational Insight to Nonradiative Decay of Organic Chromophores via Conical Intersections	Humanity Lecture Theatre
14:25 - 14:55	Tom Penfold	Rapid Predictions of the Colour Purity of Luminescent Organic Molecules	Humanity Lecture Theatre
14:55 - 15:10	Bas van der Zee	Numerical model for the device operation of thermally activated delayed fluorescence organic light-emitting diodes	Humanity Lecture Theatre

Nanomaterials 2 - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Latha Venkataraman	(Virtual Presenter) Physics and Chemistry of Single Molecule Circuits	G466 Lecture Theatre
13:55 - 14:10	Sylvia Schmid	Copper-templated formation of dihelical oligothiophene-phenanthroline assemblies	G466 Lecture Theatre
14:10 - 14:25	Alfonso Brenlla	Monitoring structural interconversion for conjugated polymer polydiocetylfluorene at the single-molecule level	G466 Lecture Theatre



MONDAY 18 JULY 2022

Organic conductors and superconductors 2 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Yuka Kobayashi	(Virtual Presenter) Single-component pure organic metal TED	East Quad Lecture Theatre
13:55 - 14:10	Olga Iakutkina	Charge localization in strongly correlated κ -(BEDT-TTF) $_2$ Cu[N(CN) $_2$ I] due to inherent disorder	East Quad Lecture Theatre
14:10 - 14:25	Dionisius Hardjo Lukito Tjhe	General Observation of an Insulator-Metal Transition in Polymer Electrochemical Transistors	East Quad Lecture Theatre
14:25 - 14:40	Samuele Giannini	Transport of charge and energy carriers in organic semiconductors from non-adiabatic molecular dynamics	East Quad Lecture Theatre
14:40 - 14:55	Shun Dekura	Developments of Highly Proton-conductive Anhydrous Molecular Materials Based on Proton Tautomerism	East Quad Lecture Theatre
14:55 - 15:10	Kenji Yonemitsu	Nonlinear charge oscillations and second harmonic generation in organic conductors with dimerized structures	East Quad Lecture Theatre

15:10 - 15:40 Refreshment Break - Hunter Halls

OLED 3 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Youhei Takeda	Development of TADF-Active Multi-Photofunctional Organic Materials Based on Novel Constructive Methods of Azaaromatics	Bute Hall
16:05 - 16:20	Marc Etherington	Modulation of Charge Transfer by N-Alkylation to Control Fluorescence Energy and Quantum Yield	Bute Hall
16:20 - 16:55	Eli Zysman-Colman	New Frontiers in Multi-Resonance Thermally Activated Delayed Fluorescence Emitter Design	Bute Hall
16:55 - 17:10	Antti-Pekka Reponen	Design Principles for Fast, Blue Emission in Carbene-Metal-Amides	Bute Hall

OPV and photodiodes 3 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Paul Meredith	The Electro-optics of Non-Fullerene Electron Acceptors for Organic Solar Cells and Photodetectors	438B James McCune Smith Building
16:05 - 16:20	Yiwen Wang	The critical role of the donor polymer in the stability of nonfullerene organic solar cells	438B James McCune Smith Building
16:20 - 16:55	Markus Scharber	Non-Fullerene Acceptor for Organic Solar Cells	438B James McCune Smith Building
16:55 - 17:10	Huotian Zhang	The relation between Fill Factor and Open-circuit Voltage Loss in Non-fullerene Organic solar cells	438B James McCune Smith Building

Meet the Editors - Top Tips on Publishing - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:40	Ifor Samuel Natalie Stingelin	Come and meet editors of leading journals at the conference to hear their top tips on how to get published, followed by questions and answers	Humanity Lecture Theatre



MONDAY 18 JULY 2022

Organic batteries and supercapacitors - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Florian Glockhofer	Conjugated macrocycles for high-performance organic battery electrodes	G466 Lecture Theatre
16:05 - 16:20	Ivan K. Ilic	Edible rechargeable batteries	G466 Lecture Theatre
16:20 - 16:55	Hang Yu	Deep reversible ionic charging of n-type conjugated polymer electrodes	G466 Lecture Theatre

Organic conductors and superconductors 3 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Neil Robertson	Metal Complexes for Switchable Molecular Semiconductors	East Quad Lecture Theatre
16:05 - 16:20	Hidenori Okuzaki	Fully soluble self-doped PEDOT with an electrical conductivity greater than 1000 S/cm	East Quad Lecture Theatre
16:20 - 16:55	Jun Takeya	Two-dimensional hole gas in organic semiconductors	East Quad Lecture Theatre

17:10 - 19:00 Poster Session 1 - Hunter Halls



Plenary Session - Bute Hall

TIME	SPEAKER	TITLE	VENUE
08:30 - 09:15	Zhenan Bao	Skin-inspired organic electronics	Bute Hall
09:15 - 10:00	Luisa Torsi	Single-entity detection with a handheld bioelectronic device	Bute Hall

10:00 - 10:30 Refreshment Break - Hunter Halls

OLED 4 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Anna Köhler	Temperature activated triplet processes in organic semiconductors	Bute Hall
10:55 - 11:10	Pratyush Ghosh	Why do the most efficient red-organic emitters have a slow internal-conversion rate avoiding energy-gap law?	Bute Hall
11:10 - 11:25	Andrew Danos	Back to Basics: Building Deeper Understanding of TADF and Hyperfluorescence with Fundamental Spectroscopy	Bute Hall
11:25 - 11:50	Paul Blom	Large band gap organic semiconductors with balanced charge transport	Bute Hall
11:50 - 12:05	Kleitos Stavrou	Hyperfluorescence OLEDs: Converting green to blue	Bute Hall
12:05 - 12:20	Kalyani Thakur	Intensity dependence of the transient photoluminescence of thermally activated delayed fluorescence emitters	Bute Hall

OPV and photodiodes 4 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Hiroyoshi Naito	Modulation spectroscopies for the characterization of the transport properties of organic photovoltaics under operation	438B James McCune Smith Building
10:55 - 11:10	Flurin Eisner	The Impact of Hybridization of Charge-Transfer and Excited States on Highly Efficient Organic Solar Cells	438B James McCune Smith Building
11:10 - 11:25	Muhammad Tariq Sajjad	High exciton diffusion in Non-Fullerene Acceptors enables the high efficient Organic Photovoltaics (OPVs)	438B James McCune Smith Building
11:25 - 11:50	Akshay Rao	Transient Exciton Delocalization - A New Frontier for Exciton Transport	438B James McCune Smith Building
11:50 - 12:20	Joseph Shinar	(Virtual Presenter) Nature of Photogenerated Defects in Bulk Heterojunction OPVs	438B James McCune Smith Building

Sensors and bioelectronics 1 - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Emanuela Saracino	Organic glial interfaces: carbon based materials interface and device to study astrocytes	Humanity Lecture Theatre
10:55 - 11:10	Anton Kirch	A new wavelength sensing technique with subnanometer resolution based on exciton spin mixing	Humanity Lecture Theatre
11:10 - 11:25	Ying Fu	Highly sensitive bioelectronics in biomarker detection for early diagnosis	Humanity Lecture Theatre
11:25 - 11:50	Guglielmo Lanzani	Soft matter nano interfaces for cell photostimulation	Humanity Lecture Theatre
11:50 - 12:05	Salima Alem	Printed organic light sensors for building management	Humanity Lecture Theatre
12:05 - 12:20	Lucas Fugikawa-Santos	Wireless sensors based on hybrid organic/inorganic semiconducting devices for detection of volatile organic compounds	Humanity Lecture Theatre



TUESDAY 19 JULY 2022

OFETs 1 - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	John Anthony	Crystal design for small molecule organic semiconductors	G466 Lecture Theatre
10:55 - 11:10	Girish Lakhwani	Pentacene-bridge interactions in chiral singlet fission pentacene dimer	G466 Lecture Theatre
11:10 - 11:25	Cassandra Quinton	Bridged oligophenylenes nanorings: towards a new generation of organic semi-conductors?	G466 Lecture Theatre
11:25 - 11:50	Deqing Zhang	(Virtual Presenter) Modifications of side chains of semiconducting polymers for charge mobility enhancement and new functionalities	G466 Lecture Theatre
11:50 - 12:05	Timothy Barendt	Supramolecular Assemblies for Electronic Materials	G466 Lecture Theatre
12:05 - 12:20	Benjamin King	Highlighting Recent Advances of Silicon Phthalocyanines as Semiconductors for Organic Thin-Film Transistors	G466 Lecture Theatre

Graphene and other 2D materials and devices 1 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Klaus Müllen	Small, Medium, Large - from Nanographenes to Graphene Nanoribbons and Graphene	East Quad Lecture Theatre
10:55 - 11:10	Philipp Weitkamp	Uniaxially Aligned Merocyanine Films by Graphene Nanoribbon Templated Growth	East Quad Lecture Theatre
11:10 - 11:25	Chenghao Liu	Vanishing Electronic Band-gap in Two-dimensional Hydrogen-Bonded Organic Frameworks	East Quad Lecture Theatre
11:25 - 11:50	Dmytro Perepichka	Synthesis and Properties of Two-Dimensional pi-Conjugated Polymers	East Quad Lecture Theatre
11:50 - 12:05	Sudarsan Majumder	Microelectronic technology on pre-patterned ultra-thin reduced graphene oxide films	East Quad Lecture Theatre

12:20 - 13:30 Lunch - Hunter Halls

OLED 5 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Paul Shaw	Hybrid TADF-phosphorescent dendrimer emitters	Bute Hall
13:55 - 14:10	Piotr Pander	Fluorescent platinum(II) complexes: towards a new breakthrough in OLEDs	Bute Hall
14:10 - 14:25	Campbell Mackenzie	Iridium Complexes with Bulky NHC ligands for High Performance Deep-Blue OLEDs	Bute Hall
14:25 - 14:40	Alexander Romanov	Molecular Design in Carbene-Metal-Amide Materials: Coplanar, Twisted and Tilted CMA	Bute Hall
14:40 - 15:10	Julien Eng	Competition between the Heavy Atom Effect and Vibronic Coupling in Donor-Bridge-Acceptor Organometallics	Bute Hall



TUESDAY 19 JULY 2022

OPV and photodiodes 5 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Mats Andersson	Correlating polymer solar cell performance and thermal stability with thermal transitions	438B James McCune Smith Building
13:55 - 14:10	Pascal Kaienburg	Prospects and Challenges of Evaporated Small Molecule Organic Solar Cells	438B James McCune Smith Building
14:10 - 14:25	Michael Price	Free Charge Photogeneration in Y6 and its Implications for Future OPV Design	438B James McCune Smith Building
14:25 - 14:55	Seth Rasmussen	(Virtual Presenter) Swimming against the stream: A new design paradigm for low bandgap polymers	438B James McCune Smith Building
14:55 - 15:10	Teodora Moiseanu	Synthesis of Molecularly Encapsulated Benzodithiophene Conjugated Polymers	438B James McCune Smith Building

Sensors and bioelectronics 2 - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Ronald Österbacka	Control of cell functions using functional materials and bioelectronics	Humanity Lecture Theatre
13:55 - 14:10	Rosemary Cranston	Phthalocyanine based organic thin-film transistors as a versatile sensing platform	Humanity Lecture Theatre
14:10 - 14:25	Zachary Parr	Rational Design of Mixed Conduction Polymers From P-type to N-type	Humanity Lecture Theatre
14:25 - 14:55	Lynn Dennany	Developing Material Platforms Towards Electrochemical Sensing	Humanity Lecture Theatre
14:55 - 15:10	Haydn Francis	Spatial Tracking of Li ⁺ Concentration using a Selective Optode for In-Situ Measurements in Li-ion Batteries	Humanity Lecture Theatre

OFETs 2 - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Yves Geerts	Towards higher charge carrier mobility semiconductors	G466 Lecture Theatre
13:55 - 14:10	Pegah Ghamari	Towards high-performance and stable polymer OFETs using nitroaromatics doping	G466 Lecture Theatre
14:10 - 14:25	Alberto D Scaccabarozzi	Towards fully edible transistors	G466 Lecture Theatre
14:25 - 14:40	Preetam Dacha	Controlled formation of Diketopyrrolopyrrole-based polymer nanowires for high-performance Organic Field-Effect Transistors by Solution Shear Coating	G466 Lecture Theatre

Graphene and other 2D materials and devices 2 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Gonzalo Abellán	Chemistry of Novel 2D-Pnictogen Nanomaterials	East Quad Lecture Theatre
13:55 - 14:10	Manoj A G Namboothiry	Liquid-Phase Exfoliated MoS ₂ Nanosheets for Photodetector Application	East Quad Lecture Theatre
14:10 - 14:25	Doaa Shamalia	2D Layered Lead Halide Perovskite Field-Effect Transistors	East Quad Lecture Theatre
14:25 - 14:55	Maria Omastova	Conducting 2D nanoparticles and their application	East Quad Lecture Theatre
14:55 - 15:20	Stephane Kena-Cohen	Infrared optoelectronics based on two-dimensional black phosphorus	East Quad Lecture Theatre

15:10 - 15:40 Refreshment Break - Hunter Halls



TUESDAY 19 JULY 2022

OLED 6 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Klaus Meerholz	Template-Designed Organic Electronics	Bute Hall
16:05 - 16:20	Gert-Jan Wetzelaer	Efficient and stable single-layer organic light-emitting diodes	Bute Hall
16:20 - 16:55	Paul Burn	Towards understanding the morphology of OLED light-emitting layers	Bute Hall
16:55 - 17:10	Dhruvajyoti Barah	Dopant-free white organic light-emitting diode	Bute Hall

OPV and photodiodes 6 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Barry Rand	Disorder and energy loss in organic photovoltaics	438B James McCune Smith Building
16:05 - 16:20	Oskar Sandberg	What Limits the Power Conversion Efficiency of Organic Solar Cells?	438B James McCune Smith Building
16:20 - 16:55	Garry Rumbles	Competition between long- and short-range electron transfer in organic photovoltaic (OPV) systems	438B James McCune Smith Building
16:55 - 17:10	Ivan Kassal	(Virtual Presenter) How delocalisation enhances the transport of charges and excitons in organic semiconductors	438B James McCune Smith Building

Sensors and bioelectronics 3 - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Kavassery Sureswaran Narayan	Understanding the Pathways of Signal Transduction in Polymer-Semiconductor Photoreceptors Based Blind-Chick Retina	Humanity Lecture Theatre
16:05 - 16:20	Katherine Stewart	Conjugated polymer/solid state ionic liquid complex developed for highly sensitive bio-sensing.	Humanity Lecture Theatre
16:20 - 16:55	Claudia Lubrano	Designing biomimetic electronic interfaces	Humanity Lecture Theatre
16:55 - 17:10	Scott Keene	Optical tracking of ion dynamics in mixed conducting polymers	Humanity Lecture Theatre

OFETs 3 - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Oana Jurchescu	Real-time monitoring of trap formation and healing in organic devices: implications to sensor development	G466 Lecture Theatre
16:05 - 16:20	Samantha Brixi	Development and modelling of improved n-type solution-processed organic field-effect transistors	G466 Lecture Theatre
16:20 - 16:55	Sten Gebel	Reversible Switching of Organic Transistors employing Photochromic Molecules	G466 Lecture Theatre
16:55 - 17:10	Keehoon Kang	Highly Stable Contact Doping in Organic-Field Effect Transistors via Dopant Blockade Method	G466 Lecture Theatre

Graphene and other 2D materials and devices 3 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Yung Woo Park	Uniform doping of graphene close to the Dirac point by polymer-assisted assembly of molecular dopants	East Quad Lecture Theatre
16:05 - 16:20	Abigail Berg	Electronic characterization of m-GNR on H:Si(100) using scanning tunneling microscopy and spectroscopy	East Quad Lecture Theatre
16:20 - 16:55	Kilwon Cho	Templated growth of organic semiconductors for organic electronics	East Quad Lecture Theatre
16:55 - 17:10	Dirk Hertel	Using Graphene as Templating Tunable Hole Collecting Contact in Organic Solar Cells	East Quad Lecture Theatre



Plenary Session - Bute Hall

TIME	SPEAKER	TITLE	VENUE
08:30 - 09:15	John Reynolds	Highly Conductive and Redox Active Polyheterocycles	Bute Hall
09:15 - 10:00	Jenny Nelson	Optimising solar energy conversion in molecular electronic materials	Bute Hall

10:00 - 10:30 Refreshment Break - Hunter Halls

OLED 7 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Hironori Kaji	Detailed Computational and Experimental Analyses of Highly-Efficient TADF Mechanism in OLEDs	Bute Hall
10:55 - 11:10	Masaki Saigo	Excited-state structural dynamics and thermally activated delayed fluorescence in solid-state for donor-acceptor type molecules	Bute Hall
11:10 - 11:25	Youichi Tsuchiya	Universal TADF Kinetic Analysis on Three-state System	Bute Hall
11:25 - 11:50	Igor Perepichka	Tuning Energy Levels in Light-Emitting Homopolymers by Side-Chain Functionalization	Bute Hall
11:50 - 12:05	Irena Kulszewicz-Bajer	Acridone derivatives with carbazole or phenoxazine substituents: synthesis, electrochemistry, photophysics and application as TADF electroluminophores	Bute Hall
12:05 - 12:20	Tom Cardeynaels	Aggregation behaviour of novel fluorescent materials exhibiting thermally activated delayed fluorescence	Bute Hall

OPV and photodiodes 7 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Harald Ade	Phase Behavior, Miscibility, and Stability of Non-Fullerene Organic Solar Cells	438B James McCune Smith Building
10:55 - 11:10	Xiane Li	Mapping the energy level alignment at donor/acceptor interfaces in non-fullerene organic solar cells	438B James McCune Smith Building
11:10 - 11:25	Sam Gielen	On the chemical origin of intrinsic performance limits of near-infrared organic photodetectors	438B James McCune Smith Building
11:25 - 11:50	Paul Dastoor	Aqueous Dispersions of Organic Nanoparticles: Green Manufacturing of Printed Solar Cells	438B James McCune Smith Building
11:50 - 12:05	Nicola Gasparini	Visible and Near-Infrared Detection and Imaging with Nonfullerene-Based Photodetectors	438B James McCune Smith Building
12:05 - 12:20	Chiara Labanti	Light-Intensity Dependent Photoresponse Time of Organic Photodetectors and Its Molecular Origin	438B James McCune Smith Building



WEDNESDAY 20 JULY 2022

Sensors and bioelectronics 4 - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Dipak Kumar Goswami	Protein based moisture-induced flexible energy harvesting devices for various electronic applications	Humanity Lecture Theatre
10:55 - 11:10	Anton Weissbach	Design principles of solid integratable organic electrochemical transistors with photopatternable electrolyte	Humanity Lecture Theatre
11:10 - 11:25	Anna Osterholm	Side Chain Substitution, Symmetry, and Polarity Effects on the Electrochemical Doping Process in Soluble Dioxythiophene	Humanity Lecture Theatre
11:25 - 11:50	Ruth Shinar	(Virtual Presenter) Organic and Hybrid Electronics in Optical Analytical Applications	Humanity Lecture Theatre
11:50 - 12:20	Graham Turnbull	Organic semiconductor sensors for trace explosives detection: from materials to the minefield	Humanity Lecture Theatre

OFETs 4 - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Mengmeng Li	(Virtual Presenter) Controllable Aggregation of Conjugated Polymer Monolayer: from Field-Effect Transistors to Integrated Circuits	G466 Lecture Theatre
10:55 - 11:10	Tomasz Marszalek	Self-aligned bilayers for flexible free-standing organic field-effect transistors	G466 Lecture Theatre
11:10 - 11:25	Byoung Hoon Lee	An intrinsically stretchable polymer semiconductor with concurrently improved crystallinity and ductility	G466 Lecture Theatre
11:25 - 11:50	Sahika Inal	Organic Electronics for Diagnostics in Physiological Media	G466 Lecture Theatre
11:50 - 12:05	Edgar Gutierrez-Fernandez	Y6 Organic Thin-Film Transistors with Electron Mobilities of 2.4 cm ² V ⁻¹ s ⁻¹ via Microstructural Tuning	G466 Lecture Theatre

Functional organic materials - synthesis and properties 1 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	David Amabilino	New materials for organic solar cells and their imaging	East Quad Lecture Theatre
10:55 - 11:10	Ludovico Aloisio	Photophysical characterization of semiconductive thiophene-based fibres synthesized by living cells	East Quad Lecture Theatre
11:10 - 11:25	Martina Volpi	Design and synthesis of chiral molecular semiconductors for spintronic applications	East Quad Lecture Theatre
11:25 - 11:50	Pierre Audebert	New insights in tetrazines and heptazines chemistry; synthetic improvements and properties in fluorescence and photoactivation	East Quad Lecture Theatre
11:50 - 12:20	Juan Casado	Electron Localization and Delocalization in Molecules: Faces of the Same Coin	East Quad Lecture Theatre

12:20 - 13:30 Lunch - Hunter Halls

OLED 8 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Donal D. C. Bradley	Fluorene-based Conjugated Polymer Conformatomics & Polaritonics	Bute Hall
13:55 - 14:10	Francisco Tenopala Carmona	Orientation distributions of small-molecule OLED emitters revealed by single-molecule microscopy	Bute Hall
14:10 - 14:25	Claudia Dillmann	Analysis and Optimisation of different Circularly Polarised OLED Systems	Bute Hall
14:25 - 14:40	Tomas Matulaitis	Photophysical characterization of novel blue tetraphenylimidazole-based emitters	Bute Hall
14:40 - 14:55	Yohei Yamamoto	Robust Angular Anisotropy of Circularly Polarized Luminescence from a Twisted-bipolar Conjugated Polymer Microsphere	Bute Hall
14:55 - 15:10	Christoph Hauenstein	Investigating OLED degradation scenarios using kinetic Monte Carlo simulations of lifetime experiments	Bute Hall



WEDNESDAY 20 JULY 2022

OPV and photodiodes 8 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Kwanghee Lee	Flexible and Transparent Organic and Perovskite Solar Cells	438B James McCune Smith Building
13:55 - 14:10	Sukanya Das	Electrical Transport Dynamics of Conducting Polymers under Nanoconfinement	438B James McCune Smith Building
14:10 - 14:25	Rui Zhang	Manipulating molecular organization in high-efficiency organic solar cells	438B James McCune Smith Building
14:25 - 14:55	Gregory Welch	Green Solvent Processed Perylene Diimides for Printed Electronics	438B James McCune Smith Building
14:55 - 15:10	Arvydas Ruseckas	The influence of correlated site energy disorder on singlet exciton diffusivity in semicrystalline P3HT films	438B James McCune Smith Building

Sensors and bioelectronics 5 - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	George Malliaras	Organic Materials and Devices for Bioelectronic Medicine	Humanity Lecture Theatre
13:55 - 14:10	Gitti Frey	Ambipolar Blend-based Organic Electrochemical Transistors and Inverters with a Bulk-heterojunction Morphology	Humanity Lecture Theatre
14:10 - 14:25	Cigdem Yumusak	PEDOT:DNA and Polypyrrole:DNA Conducting Biocomposites: Preparation, Processing, and Towards Bioelectronics Applications	Humanity Lecture Theatre
14:25 - 14:55	Magnus Berggren	Organic Energy Technology Based on Cellulose and Lignin Components	Humanity Lecture Theatre
14:55 - 15:10	Lukas Bongartz	Quantitative Description of Hysteresis and Temperature-Dependence of All-Solid-State Organic Electrochemical Transistors	Humanity Lecture Theatre

OFETs 5 - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Wojciech Pisula	Meniscus-guided coating of organic semiconductors for field-effect transistors	G466 Lecture Theatre
13:55 - 14:10	Malgorzata Nguyen	A powerful anti-solvent method for significantly improved stability in organic semiconductors	G466 Lecture Theatre
14:10 - 14:25	Ulrike Kraft	Off-state bias stress stability in polymer transistors- an often overlooked prerequisite	G466 Lecture Theatre
14:25 - 14:40	Manish Pandey	Charge Transport Anisotropy at Air- and Liquid-Interface of Oriented Floating Films of Polymer Semiconductor	G466 Lecture Theatre

Functional organic materials - synthesis and properties 2 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Malika Jeffries-EL	Design and synthesis of organic electronic materials.	East Quad Lecture Theatre
13:55 - 14:10	Giovanni Costantini	Sequence and assembly of conjugated polymer by high-resolution imaging	East Quad Lecture Theatre
14:10 - 14:25	Yunseul Kim	Synthesis and characterization of open-shell conjugated polymers containing a quinoid building block with diradical	East Quad Lecture Theatre
14:25 - 14:55	Emily Draper	Aggregate dependent electrochromic properties of amino acid appended naphthalene diimides in water	East Quad Lecture Theatre
14:55 - 15:10	Joseph Cameron	Organic Materials for DNA self-assembled electronic devices	East Quad Lecture Theatre

15:10 - 17:10 Poster Session 2 & Refreshment Break - Hunter Halls



Plenary Session - Bute Hall

TIME	SPEAKER	TITLE	VENUE
08:30 - 09:15	Vivian Wing-Wah Yam	(Virtual Presenter) From Discrete Metal-Ligand Motifs To Supramolecular Assembly, Nanostructures and Light-Enabled and Electronic Functions	Bute Hall
09:15 - 10:00	Zhigang Shuai	(Virtual Presenter) Quantum aspects for organic solids: from transport to light-emitting and spectroscopy	Bute Hall

10:00 - 10:30 Refreshment Break - Hunter Halls

OLED 9 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Stephen Forrest	Increasing operational lifetime by decreasing the radiative lifetime of excitons in blue triplet emitting devices	Bute Hall
10:55 - 11:10	Reinder Coehoorn	High-energy acceptor states strongly enhance exciton transfer between metal-organic phosphorescent dyes	Bute Hall
11:10 - 11:25	Sebastian Gorgon	Rapid triplet exciton harvesting by doublet radical emitters in efficient light-emitting diodes	Bute Hall
11:25 - 11:50	David Beljonne	Triplet state management in organic semiconductors	Bute Hall

Processing and structural characterisation 1 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Thuc-Quyen Nguyen	High-Detectivity Wearable Organic Photodetectors for Self-Powered Pulse Rate and Oximetry Measurements	438B James McCune Smith Building
10:55 - 11:10	Jasper Michels	Morphology formation in solution-processed organic and hybrid semiconductor films: modeling phase diagrams and transitions	438B James McCune Smith Building
11:10 - 11:25	Paheli Ghosh	Solvent engineered CsPbI ₃ perovskites for efficient indoor photovoltaics	438B James McCune Smith Building
11:25 - 11:50	Richard Kaner	Membrane filtration using nanostructured conjugated polymers	438B James McCune Smith Building
11:50 - 12:05	Linda Peteanu	Understanding Aggregation in Conjugated Polymers by Unraveling Spectral Heterogeneity and Solvent Effects	438B James McCune Smith Building
12:05 - 12:20	Mark Weber	Insights into the Local Ordering and Energetic Landscape of PM6	438B James McCune Smith Building

Perovskite and hybrid PV 1 - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Ayse Turak	Perovskites Made to Order: Monodisperse Spherical Nanoparticles by Reverse Micelle Templating	Humanity Lecture Theatre
10:55 - 11:10	Dirk Vanderzande	Large Organic Cations as Building Blocks in Low-Dimensional Hybrid Lead Halide Perovskites: Alternative Semiconductors?	Humanity Lecture Theatre
11:10 - 11:25	Sapir Bitton	Iodine reactions as mobile recombination centers, a drift-diffusion reaction simulation of perovskite cells' degradation	Humanity Lecture Theatre
11:25 - 11:50	Suchi Guha	Tuning the Structural and Optical Properties of Halide Perovskites via Pressure: Implications in Optoelectronic Devices	Humanity Lecture Theatre
11:50 - 12:05	Ju-Hyeon Kim	Suppressed non-radiative recombination by non-conjugated polyelectrolyte interlayer for high-efficient perovskite solar cells	Humanity Lecture Theatre
12:05 - 12:20	Declan Hughes	Advanced in-situ spectroscopy and multiple mapping to characterize stability and homogeneity of perovskite solar cells	Humanity Lecture Theatre



Organic materials for thermoelectrics - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Henning Sirringhaus	Charge transport and thermoelectric properties of high mobility conjugated polymers	G466 Lecture Theatre
10:55 - 11:10	Diego Rosas Villalva	Backbone-Driven Host-Dopant Miscibility Modulates Molecular Doping in NDI Conjugated Polymers	G466 Lecture Theatre
11:10 - 11:25	Maryam Alsufyani	The Role of Chemical Design in Electrical Conductivity and Electrical Performance of n-Doped Semiconducting Polymers	G466 Lecture Theatre
11:25 - 11:50	Han Young Woo	Semicrystalline Thermoelectric Polymers and Their Doping-Morphological-Thermoelectric Properties	G466 Lecture Theatre
11:50 - 12:05	Faisal Almana	Chain Confirmation Affects Thermal Conductivity of Macromolecular Matter	G466 Lecture Theatre

Functional organic materials - synthesis and properties 3 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Turan Oztutk	Thienothiophenes and Dithienothiophenes for Electronic Applications	East Quad Lecture Theatre
10:55 - 11:10	Thanh-Tuân Bui	Triphenylamine/Thieno[3,4-c]pyrrole-4,6-dione based D- π -A- π -D Hole Transporting Materials for Perovskite Solar Cells	East Quad Lecture Theatre
11:10 - 11:25	Lewis Cowen	Structures of self-doping and water soluble molecular and polymeric semiconductors	East Quad Lecture Theatre
11:25 - 11:50	Martin Heeney	Post-polymerisation modification of conjugated polymer backbones	East Quad Lecture Theatre
11:50 - 12:05	Stefanie Alexandra Meissner	Nanoscale π -conjugated ladder oligomers and polymers	East Quad Lecture Theatre
12:05 - 12:20	Heejoo Kim	Conjugated polyelectrolytes for stable perovskite solar cells based on methylammonium lead triiodide	East Quad Lecture Theatre

12:20 - 13:30 Lunch - Hunter Halls

OLED 10 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Gordon Hedley	Direct Measurement of Exciton-Exciton Annihilation and Diffusion in Organic Semiconductors Using Picosecond Photon Statistics	Bute Hall
13:55 - 14:10	Giacomo Londi	Spontaneous exciton dissociation enables spin state interconversion in delayed fluorescence organic semiconductors	Bute Hall
14:10 - 14:25	Le Zhang	Singlet-triplet annihilation of a multi-resonance TADF emitter and its effect on device efficiency roll-off	Bute Hall
14:25 - 14:55	Przemyslaw Data	RTP vs TADF emitters, where to find, how to control	Bute Hall
14:55 - 15:10	Dianming Sun	Thermally Activated Delayed Fluorescent Dendrimers for High-efficiency Solution-Processed Organic Light Emitting Diodes	Bute Hall



THURSDAY 21 JULY 2022

Processing and structural characterisation 2 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Natalie Stingelin	Vitrification as a tool for structure control of organic semiconductors	438B James McCune Smith Building
13:55 - 14:10	Akihiko Fujii	Selective and Ultra-high Molecular Orientation in Donor-Acceptor π -Conjugated Polymer Thin Film Fabricated by Bar-Coating Process	438B James McCune Smith Building
14:10 - 14:25	Eric Shen	Enhancement of Photostability through Side-Chain Tuning in Dioxythiophene-Based Conjugated Polymers	438B James McCune Smith Building
14:25 - 14:40	Ferda Hacivelioglu	Unique Advantages of Polyphosphazene Based Polyelectrolytes as Synthetic Metal Counterions	438B James McCune Smith Building
14:40 - 14:55	Genya Uzurano	Solution-processed fabrication and highly dichroic property of single-crystalline ultrathin film of tetra-tert-butylated phthalocyanine	438B James McCune Smith Building
14:55 - 15:10	Jonathon Harwell	Perovskite Photolithography - Overcoming Solvent Compatibility	438B James McCune Smith Building

Perovskite and hybrid PV 2 - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	David Lidzey	Fabricating perovskite solar cells using ultrasonic spray-coating	Humanity Lecture Theatre
13:55 - 14:10	Jonathon Harwell	Nanoscale back-contact perovskite solar cells	Humanity Lecture Theatre
14:10 - 14:25	Shaoyang Wang	Halide Perovskites for Indoor Light Harvesting: The Role of Device Architecture	Humanity Lecture Theatre
14:25 - 14:55	Uli Lemmer	Flexible perovskite X-ray detectors by inkjet printing	Humanity Lecture Theatre
14:55 - 15:10	Declan Hughes	Are Perovskite Solar Cells Promising for Aerospace Applications?	Humanity Lecture Theatre

Spin and magnetism 1 - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Natalia Drichko	Organic Mott insulators with a general formula k -(BEDT-TTF) $2X$ as hosts of spin and dipole liquids.	G466 Lecture Theatre
13:55 - 14:10	Yamashita Masahiro	Molecular Spin Qubits for Quantum Computer and Highly Density Memory Devices Based on Molecular Magnetism	G466 Lecture Theatre
14:10 - 14:25	Takayoshi Nakamura	Oxalate-Bridged Bimetallic Ferromagnetic Hybrid Complexes: Crystal Structures, Magnetism, Molecular Rotation, and Ferroelectricity	G466 Lecture Theatre
14:25 - 14:40	Niklas Grabicki	An All-Organic Photochemical Magnetic Switch	G466 Lecture Theatre
14:40 - 14:55	Flurin Eisner	Symmetry based molecular design for triplet excitation and optical spin injection	G466 Lecture Theatre
14:55 - 15:10	Harry Demetriou	Designing Magnetic Superstructures in Vacuum Deposited Phthalocyanine Thin Films	G466 Lecture Theatre

Functional organic materials - synthesis and properties 4 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
13:30 - 13:55	Ullrich Scherf	Rigidified, Aromatic Polymer Architectures	East Quad Lecture Theatre
13:55 - 14:10	Christian Nielsen	New Semiconducting Materials for Organic Electrochemical Transistors	East Quad Lecture Theatre
14:10 - 14:25	Mieczyslaw Lapkowski	Electrochemical synthesis of zero band gap conjugated polymer	East Quad Lecture Theatre
14:25 - 14:55	Elena Mena-Osteritz	Molecular Interactions: Through Space Delocalization and Toroidal Conjugation	East Quad Lecture Theatre
14:55 - 15:10	Roger C. Hiorns	Main-chain poly(fullerene xylene)s - exploring fullerene in the next dimension	East Quad Lecture Theatre



OLED 11 - Bute Hall

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Feng Li	(Virtual Presenter) Luminescent radical materials and devices with doublet emission	Bute Hall
16:05 - 16:20	Petri Murto	Highly luminescent π -radicals for optoelectronics - design perspectives	Bute Hall
16:20 - 16:55	Russell Holmes	Low-bias quenching and efficiency loss in organic light-emitting devices due to spontaneous orientation polarization	Bute Hall
16:55 - 17:10	Yutaka Noguchi	Transition of dominant factors in luminous efficiency of light-emitting electrochemical cells	Bute Hall

Organic photo(electro)catalysis 1 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Seth Marder	Studies on the Formation, Properties and Applications of Conjugated Covalent Organic Frameworks (COFs)	438B James McCune Smith Building
16:05 - 16:20	Serpil Tekoglu	Polypyrrole-based Enzyme Electrodes for Bio-electrocatalysis for CO ₂ Reduction	438B James McCune Smith Building
16:20 - 16:55	Sebastian Sprick	Conjugated Polymer Photocatalysts for Solar Fuel Production	438B James McCune Smith Building
16:55 - 17:10	Floriana Moruzzi	Solution-Processable Polymers of Intrinsic Micro-Porosity for Photoreduction of Carbon Dioxide into Solar Fuels	438B James McCune Smith Building

Perovskite and hybrid PV 3 - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Bernard Ratier	Inkjet printed hybrid perovskite solar cells for autonomous sensor network	Humanity Lecture Theatre
16:05 - 16:20	Paul Blom	Mixed ionic-electronic charge transport in perovskite semiconductors	Humanity Lecture Theatre
16:20 - 16:55	Franky So	High Temperature Superfluorescence in Hybrid Perovskites	Humanity Lecture Theatre
16:55 - 17:10	Genya Uzurano	Obliquely Oriented 2D Perovskite in 2D/3D Heterostructure by Templated Growth on 3D Perovskite	Humanity Lecture Theatre

Spin and magnetism 2 - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	Yamashita Masahiro	Molecular Spintronics Based on Single-Molecule Magnets: Spin Qubits for Quantum Computer and Highly Density Memory	G466 Lecture Theatre
16:05 - 16:20	Dulce Belo	[Co(α -alkyl-tpdt) ₂]-: the Magnetism hidden within Alkyl Substituted Cobalt Dithiolenethiophenic Complexes	G466 Lecture Theatre
16:20 - 16:55	Chunyan Chi	Acenes and Extended Heterocyclic Quinodimethanes with a Singlet Biradical Ground State	G466 Lecture Theatre
16:55 - 17:10	Takayoshi Nakamura	Negative thermal expansion and magnetic properties of [Ni(dmit) ₂] crystals with one-dimensional column of supramolecular cation	G466 Lecture Theatre



THURSDAY 21 JULY 2022

Functional organic materials - synthesis and properties 5 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
15:40 - 16:05	John de Mello	Fabrication of Metallic Nanogap Sensors and Devices by Adhesion Lithography	East Quad Lecture Theatre
16:05 - 16:20	Jun Yan	Relationship between structure and light absorption strength in organic pi-conjugated molecules	East Quad Lecture Theatre
16:20 - 16:55	Satish Patil	Realization of Mott-Wannier Exciton in Organic Semiconductors: An Agnostic Approach	East Quad Lecture Theatre
16:55 - 17:10	Clément Brouillac	New host materials for high performance single layer phosphorescent light emitting diodes	East Quad Lecture Theatre

19:30 - 23:30 Conference Dinner - voco Grand Central Hotel (Ticket holders only)



Plenary Session - Bute Hall

TIME	SPEAKER	TITLE	VENUE
08:30 - 09:15	Karl Leo	GHz organic electronics	Bute Hall
09:15 - 10:00	Richard Friend	Coulomb Interactions in Organic Semiconductors	Bute Hall

10:00 - 10:30 Refreshment Break - Hunter Halls

OLED 12 - organic lasers and microcavities - Bute Hall

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Wen-Yong Lai	(Virtual Presenter) The Development of Robust Organic Emitters as Gain Media for Organic Semiconductor Lasers	Bute Hall
10:55 - 11:10	Matthew White	Photonic band structure in one-dimensional crystals of stacked microcavity OLEDs	Bute Hall
11:10 - 11:25	Kou Yoshida	High-speed organic light-emitting diodes for visible-light communication at over a gigabit per second	Bute Hall
11:25 - 11:50	Thomas Riedl	All-inorganic lead halide perovskites as gain media for low-threshold lasers	Bute Hall
11:50 - 12:05	Mina Riahi	Large Area Organic Light-emitting Diodes for Antimicrobial Photodynamic Therapy (PDT)	Bute Hall
12:05 - 12:20	Paul Winget	Organic Thin Films for OLED Applications: Influence of Molecular Structure, Deposition Method, and Deposition Conditions	Bute Hall

Organic photo(electro)catalysis 2 - 438B James McCune Smith Building

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Niyazi Serdar Sariciftci	Organic semiconductors for solar energy conversion into chemical energy using CO ₂ recycling	438B James McCune Smith Building
10:55 - 11:10	Sam Hillman	Deconvoluting how polar backbones and side-chains affect redox thermodynamics and kinetics in hydrogen-evolving polymer photocatalysts	438B James McCune Smith Building
11:10 - 11:25	Jan Kosco	Enhanced photocatalytic hydrogen evolution from organic semiconductor heterojunction nanoparticles	438B James McCune Smith Building
11:25 - 11:40	Martijn Zwijnenburg	How common is the ability to oxidise water for polymer photoactylasts?	438B James McCune Smith Building
11:40 - 11:55	Kiyoshi Miyata	Tracking of initial processes of CO ₂ photoreduction in Zn(II) Porphyrin-Re(I) dyad photocatalyst using ultrafast spectroscopy	438B James McCune Smith Building

Perovskites - Humanity Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Bin Hu	Orbit-Orbit Interaction Effects on Light-Emitting, Photovoltaic, and Lasing Properties in Hybrid Perovskites	Humanity Lecture Theatre
10:55 - 11:10	Wouter Van Gompel	Low Dimensional Organic-Inorganic Hybrid Perovskites containing Organic Chromophores and Organic Charge Transfer Complexes.	Humanity Lecture Theatre
11:10 - 11:25	Sudhir Kumar	Approaching 25% External Quantum Efficiency in Perovskite LEDs Using Outcoupling-Enhanced Anisotropic Nanocrystal Superlattices	Humanity Lecture Theatre
11:25 - 11:50	Dinesh Kabra	Comprehensive Analysis of Contrasting Emission Spectrum in Layered Halide Perovskites	Humanity Lecture Theatre
11:50 - 12:05	David Webster	Kelvin probe and ambient photoemission spectroscopy measurements of hybrid perovskite semiconductors	Humanity Lecture Theatre



FRIDAY 22 JULY 2022

Functional organic materials - synthesis and properties 7 - G466 Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Feng Gao	A new doping strategy of Spiro-OMeTAD: towards Instantly Efficient and Stable Perovskite Solar Cells	G466 Lecture Theatre
10:55 - 11:10	David Jones	Highly efficiency intra-molecular single fission materials through secondary self-assembly	G466 Lecture Theatre
11:10 - 11:25	Renaud Demadrille	Photochromic dyes for solar cells with light-driven adjustable optical transmission and power conversion efficiency	G466 Lecture Theatre
11:25 - 11:50	Anastasia Klimash	"Chameleon" quinolines: compounds exhibiting mechanochromic aggregation-induced delayed emission	G466 Lecture Theatre
11:50 - 12:20	Johannes Gierschner	Photophysical Pathways through Charge-Transfer States in All-Organic Materials	G466 Lecture Theatre

Functional organic materials - synthesis and properties 6 - East Quad Lecture Theatre

TIME	SPEAKER	TITLE	VENUE
10:30 - 10:55	Alexander Kanibolotsky	Fluorene-based fluorescent materials for photonic applications	East Quad Lecture Theatre
10:55 - 11:10	Iain Wright	New Twists on Synthetic Metals: Homoconjugated 3D Organic Electronic Materials	East Quad Lecture Theatre
11:10 - 11:25	Andrea Pinto	Near unity fluorescent quantum yields of gold(I) benzothiadiazole-based derivatives in organic matrixes	East Quad Lecture Theatre
11:25 - 11:50	Juozas Grazulevicius	Donor-acceptor multifunctional molecular materials for oled and oxygen sensing applications	East Quad Lecture Theatre
11:50 - 12:05	Ivan Bechtold	Cu(I) complexes: versatile multicolour materials to promote thermally activated delayed fluorescence and phosphorescence	East Quad Lecture Theatre
12:05 - 12:20	Xiantao Hu	Tuning Electron Affinity by Heteroannulation of Benzothiadiazole in Non-Fullerene Acceptor Materials	East Quad Lecture Theatre

Closing Ceremony - Bute Hall

TIME	SPEAKER	TITLE	VENUE
12:30 - 13:00	Peter Skabara Ifor Samuel	ICSM Closing Ceremony and Presentation of Poster prizes	Bute Hall

