

Fri 6/16		Sat 6/17	Sun 6/18	Mon 6/19	Tue 6/20	Wed 6/21
		Harald Ade	Wei You	Eleni Stavrinidou	Malike Jeffries-EI	Brendan O'Connor
19:30 reception	9AM Plenary 1	Christine Luscombe	Bumjoon Kim	Karl Leo	Fei Huang	Dean DeLongchamp
https://www.tavernaagora.com/		Towards the efficient syntheses of semiconducting polymers	Active Material Design for Stretchable, Efficient Polymer Solar Cells	Novel approaches for high-performance organic transistors	Development of n-Type Conjugated Polymers for High-Performance Organic Electronics	The structure of organic semiconductor films revealed by resonant soft X-ray scattering and reflectivity
	9:45 Plenary 2	Anna Köhler	Thuc-Quyen Nguyen	Sahika Inal	Erin Ratcliff	Alberto Salleo
		Aggregate formation in organic solar cells	Current Progress and Challenges of Solution-Processed Organic Solar Cells	Organic Electronics for Disease Diagnostics	Soft PhotoElectroChemical Systems for Solar Fuels and Energy Storage	Operando studies of mixed-conduction polymers: Microstructural effects and carrier-induced ordering
	10:30-10:40	Joint Discussion	Joint Discussion	Joint Discussion	Joint Discussion	Joint Discussion
	10:40-10:50	BREAK	BREAK	BREAK	BREAK	BREAK
	10:50 Three Parellel Sessions					
	Session Chair	Thompson, Barry	Jianguo Mei	Elham Ghadiri	Hugo Bronstein	Martin Heeney
	Session 1	OPV	Doping	Characterizations	OPV	OPV
	10:50 (invited)	Peter Skabara	Norbert Koch	Thomas Anthopoulos	Martin Heeney	Hugo Bronstein
		Small molecule', non-acidic analogues of PEDOT:PSS	3 aspects of organic semiconductor doping	Advancing the performance and stability of organic photovoltaics	Towards high performing conjugated polymers of low-synthetic complexity	Synthesis and Understanding of Organic Heterointerfaces. Towards designer CT states?
	11:20	Patterson, Acacia	Graham, Kenneth R.	Kantrow, Henry	Wang, Ergang	Hendsbee, Arthur
		Accurate measurements of charge generation in solar cells with overpulse TDCF for a complete loss analysis	The role of counterions in determining the optical, electronic, and thermoelectric properties of π -conjugated polymers	Manipulating electronic processes in polymer:polymer blends via the local environment	Non-conjugated polymeric and dimeric acceptors for efficient polymer solar cells	Recent advancements in materials for scalable organic photovoltaics
	11:40	Alam, Shahidul	Richter, Lee	Atassi, Amalie	Perepichka, Dmytro	Sabury, Sina
		Impact of fluorination on both donor and non-fullerene acceptors in bulk heterojunction organic photovoltaics	In-situ Characterization of ordering/disordering in electrochemically doped oligo-ether sidechain modified polythiophenes	X-ray spectroscopy elucidates how side-chain and main-chain chemistry of semiconducting polymers affects charge transport	Chemical Insights into Photodegradation of Non-Fullerene Acceptors for Solar Cells	Scalable Donor Terpolymers for Organic Photovoltaic Devices with Enhanced Processing
	12:00	le, Yutaka	Sassi, Mauro	Ghosh, Raja	Kaieburg, Pascal	Shafe, Abdullah AI
		Green-light wavelength-selective organic solar cells toward agrivoltaics	Expanding n-dopant portfolio: synthetic access to structurally diverse benzimidazoline-based n-dopants and doping characterization via H2 detection	Probing the Spectroscopy and Dynamics of Polarons and Excitons in Organic Semiconductors: A Multiparticle Approach	Strategy toward Thickness-Insensitive Solution-Processed Organic Photovoltaics	Investigating the impact of elastomer addition to the photoactive layer on organic solar cell toughness and performance
	Session Chair	Ulrike Kraft	Shrayesh Patel	Sina Sabury	Connor Bischak	Ergang Wang
	Session 2	Transistors	Transistors	Transistors	Transistors	Synthesis
	10:50 invited	Michael Chabinyc	George Malliaras	Antonio Facchetti	Iain McCulloch	Aiko Fukazawa
		Ions and Electrons in Doped Semiconducting Polymers	Novel Devices for Bioelectronics	Semiconductor Design and Film Morphologies for New Ionic-Electronic Device Architectures	Development of semiconducting polymers for organic electrochemical transistors	Design of Novel Cross-Conjugated π -Electron Systems with Robustness toward Multi-Electron Reduction
	11:20	Leong, Wei Lin	Alarcon-Espejo, Paula	Kayser, Laure	Mori, Takehiko	Turner, Michael
		All-Polymer Bulk-Heterojunction Organic Electrochemical Transistors with Balanced Ionic and Electronic Transport	Stable, record high hole mobility fiber organic electrochemical transistors for next-generation wearable biotechnologies	In or out? On the fate of PEO additives in PEDOT:PSS and their influence on mixed transport properties	Transistors of mixed- and segregated-stack charge-transfer complexes based on diamino-naphthalene and pyrene	Surfactant Free Preparation of Conjugated Polymer Nanoparticles by Suzuki-Miyaura Cross-Coupling Polymerisation
	11:40	Liu, Qianhe (Kelly)	Mikie, Tsubasa	Ma, Ziyuan	Chiechi, Ryan	Durgaryan, Narine
		Realizing stretchable complementary circuits through design of an n-type polymer semiconductor	S-Pechmann-based polymers that realize high intrachain charge carrier transport via extended π -electron delocalization	Fused-ring pyrrole organic semiconductors for organic field effect transistors (OFETs)	Robust Devices Comprising Self-assembled Bilayers	Synthesis And Investigation Of Azo /Triazene Group Containing Conjugated Polymers

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12:00	Wang, Siqing Highly stretchable wearable electronics for remote, autonomous plant growth monitoring	Schrickx, Harry Capturing how subtle thermomechanical transitions drive molecular organization in polymer semiconductors	Park, Irene (Eunkyung) Cyclic Secondary Amine Functionalization of Perylene Diimide for Broad Applications in Organic Printed Electronics	Mattiello, Sara Sustainable synthesis of conjugated polymers by Suzuki-Miyaura in aqueous environment, and application of their waterborne dispersions	
Session Chair	Ifor Samuel	Paul Burn	Luisa Whittaker-Brooks	Jun Liu	Graham Collier
Session 3	LED	Emerging Applications	Doping	Theory/ML	LED
10:50 (invited)	Paul Blom Efficient single-layer OLEDs	Davita Watkins NIR-II Emissive Fluorophores and Nanoparticles for Dual Fluorescence Bioimaging and Photothermal Therapy Applications	Jianguo Mei Solution-Processable N-doped Transparent Organic Conductors (n-TOCs)	Dana O'Connor Structure Prediction of Molecular interfaces	Ifor Samuel From TADF Materials Design to Electrically Driven Lasers
11:20	Ivancevic, Marko Balancing aggregate-caused quenching and aggregate-induced emission to achieve ultralong room temperature phosphorescence in organic semiconductors.	Maeda, Takeshi Intermediate Open-Shell Character of Near-Infrared Absorbing Oxocarbon Derivatives	Patel, Shrayesh Semiconducting Polymers to Enable Functionally Graded Materials for Organic Thermoelectrics	Omar, Omer High-Throughput Virtual Screening of Existing Organic Chromophores for Materials Discovery	Kuila, Suman Exploring Sulfur as 'Heavy-atom' in Fused Carbazoles for Efficient Blue-emitting Thermally Activated Delayed Fluorescence OLED Materials
11:40	van Hoesel, Clint Master equation modeling of triplet-triplet annihilation in organic phosphorescent emission layers including correlations	Walter, Michael Photochemical Applications of Highly Fluorescent Thiazolothiazole Materials	Baker, Carly Synthesis of a water-active, semi-crystalline and self-doped semi-conducting copolymer through functionalising with cholesteryl and sulfonate groups.	Dyer, Dylan Bond Breaking Kinetics in Single Molecule Transport Experiments: A Bayesian Approach	Moreno Naranjo, Juan Manuel Synthesis of new chiral polymers for Circularly Polarised – Thermally Assisted Delayed Fluorescence (CP-TADF) applications
12:00	Gui, Manting Charge Transfer State-Polaron Spectral Overlap as Dark Current Generation Source in Organic Diodes	Carter, Ash How Counterions Affect the Photophysics of Methylated Quinine	Bombile, Joel Bipolaron formation in doped P3HT: contrast between single chains and crystalline lamellae	Stubhan, Tobias Materials Acceleration Platforms: toward the laboratory of the future for perovskite and organic PV research	Green, Joshua Blue TADF emitters containing diaza-13b-boranaphtho[3,2,1-de]anthracene systems
12:20-1:30	On-site lunch	On-site lunch		On-site lunch	Meeting Adjourn
Session Chair	Aimée Tomlinson	Chad Risko		Natalie Banerji	
Session 4	OPV	OPV		OPV/Hybrid/Perovskites	
13:30 (invited)	Chad Risko Deconstructing the Genome of Organic Semiconductors: Developments towards Machine-driven Design & Discovery	Aimée Tomlinson Making the World More Colorful: A Structure-Property Study of Charged Excited States Using DFT	Student/postdoc career activities/events. Details TBD	Seth Marder Interface Chemistry for Hybrid Organic Inorganic Electronics and Opto-electronics	
14:00	Rimmele, Martina	Kaienburg, Pascal		Isikgor, Furkan	

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	Polymer library allows for identification of highly efficient and scalable donor material for organic solar cells	Structure-Function Relations in All-Small-Molecule OPV		Minimizing Parasitic Absorption Losses in Monolithic Perovskite/Organic Tandem Solar Cells	
14:20	Sauve, Genevieve	Kashani, Somayeh		Biliroglu, Melike	
	Towards optimizing charge carrier mobility and OPV performance of non-planar zinc(II) complexes of azadipyrromethene	Unraveling the UV-Vis absorption spectra of NF-SMAs for estimating the reorganization energies, exciton diffusion length and non-radiative recombination		Observation of Room Temperature Superfluorescence in Quasi-2D Hybrid Perovskite	
14:40	Reid, Obadiah	Thapa, Gaurab		Seyitliyev, Dovletgeldi	
	Charge-Transfer Distances Distributions in Organic Photovoltaics	Spectromicroscopy of Electronic Disorder in Nonfullerene Acceptor Bulk Heterojunctions		Coherent phonon-induced modulation of charge transfer in two-dimensional hybrid perovskites	
	Session Chair Jonathan Rivnay	Soniya Yambem		Aram Amassian	
	Session 5 Transistors	Transistors/Sensors/Detectors		Transistors/sensors/detectors	
	13:30 (invited) Natalie Banerji	Simone Fabiano		Soniya Yambem	
	A close look at electrochemical reactions in OECTs	Organic mixed ionic-electronic conductors for brain-inspired intelligent electronics		Probing OTFT Sensing Mechanisms using Confocal Fluorescence Microscopy	
14:00	Bischak, Connor	Kraft, Ulrike		Ruchlin, Cory	
	Mapping Ions and Polarons in Organic Mixed Conductors	Polymer transistors: Recent progress regarding off-state bias stress stability and low voltage operation		Efficient Room-Temperature Phosphorescence of Covalent Organic Frameworks through Covalent Halogen Doping	
14:20	Hidalgo Castillo, Tania Cecilia	Clement, Sébastien		Luong, Hoang	
	Simultaneous Performance and Stability Improvement of a p-Type Organic Electrochemical Transistor through Additives	Electronic Surfactants For Use In Soap Film Based Sensors And Devices		Near-Infrared Organic Photodetectors: Toward Industrial-scale Fabrication	
14:40	Gebel, Sten	Lamontagne, Halyenne		Tani, Yosuke	
	Reversible switching of organic transistors employing photochromic molecules	Phthalocyanine-Based Organic Thin-Film Transistors for use as High-Performance Point-of-Source Cannabinoid Sensors		Metal-Free Organic 1,2-Diketone for Highly Efficient, Narrowband Room-Temperature Phosphorescence in Solution	
	Session Chair Michael Walter	Taiho Park		Linda Peteanu	
	Session 6 LED/synthesis	Synthesis		Emerging applications	
	13:30 (invited) Malika Jeffries-El	Thompson, Barry		Paul Burn	
	Design and synthesis of organic electronic materials	Sustainable Synthesis and Novel Architectures for Semiconducting Polymers		Differential detection of G- and V-series nerve agents	
14:00	Albrecht, Ken	Mills, Harrison		Schanze, Kirk	
	Carbazole dendrimer based luminescent radical and thermally activated delayed fluorescence materials	Sequence Defined Oligothiophenes: An Emerging Class of Tunable Photosensitizers		Optical Control of Charge and Energy Transfer in Molecular Wires	
14:20	Bruetting, Wolfgang	Zhong, Xiaowei		Ghadiri, Elham	

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	Controlling Spontaneous Orientation Polarization In Organic Semiconductors	Synthesis and Characterization of Fused-Ring Electron Acceptors with π -Extended Backbone		Design and photochemical investigation of melanin based heterostructures using ultrafast transient absorption microscopy and spectroscopy	
14:40	Murai, Masahito	Thorley, Karl		Scott, Colleen	
	Silicon-Bridged Diazulenylmethyl Cations as a π -Extended Cationic Motif to Form J-Aggregates with Near-Infrared Emission	Photostability of Small Molecule Organic Semiconductors		Design Strategy for New Optoelectronic Organic Small Molecules for Bioimaging	
15:00-15:30	BREAK	BREAK		BREAK	
Session Chair	Simone Fabiano	Wei Ma		Colleen Scott	
Session 7	Transistors	OPV		Processing	
15:30 (invited)	Wei Ma	Han Young Woo		Taiho Park	
	An organic electrochemical transistor for reconfigurable multi-modal sensing, memory and processing	Nonfullerene organic solar cells as a green energy source		Green-Processable Semiconducting Polymers For Photovoltaics	
16:00	Rivnay, Jonathan	Yoon, Sangcheol		Neu, Justin	
	Materials and Device Concepts Based on Organic Electrochemical Transistors for Sensing and Signal Processing	Influences of Metal Electrodes on Stability of Non-Fullerene Acceptor-based Organic Photovoltaics		Oligo(ethylene glycol) Side Chain Architecture Enables Alcohol-Processable Conjugated Polymers for Organic Solar Cells	
16:20	Dallaire, Nicholas	Yu, Han		Laval, Hugo	
	Benchmarking Organic Thin Film Transistors Through an Improved Novel Virtual-Source Emission-Diffusion Model	Regio-Regular Polymer Acceptors Enabled by Determined Fluorination on End Groups for High-Performance All-Polymer Solar Cells		Water-Based inks for greener organic photovoltaic: 9.6% efficiency by controlling morphology with surface energy	
16:40	ITO, AKIHIRO	Mistry, Jai-Ram		Amassian, Aram	
	Optically and Thermally Induced Intramolecular Charge Transfer in Tris (triarylamine) Radical Cations	Three-Dimensional Chromophores with Enhanced Functional Properties through Homoconjugation		Electrostatic Self-Assembly of PEDOT:PSS to Enable Intrinsic Water Stability and Enhanced Charge Transport.	
Session Chair	Kenneth R. Graham	Aristide Gumyusenge		Laure Kayser	
Session 8	Transistors/Morphology	Doping		Transistors/Morphology	
15:30 (invited)	John Anthony	Luisa Whittaker-Brooks		Aristide Gumyusenge	
	Crystal Design for Sustainable Organic Semiconductors	Insights into the electronic structure of doped π - and π -d conjugated organic systems via diffraction and soft X-ray spectroscopy		Enabling Novel Organic Ionoelectronics Through Polymer Modularity	
16:00	Chaney, Thomas	Opitz, Andreas		Sullivan, Ryan	

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	Molecular structure and solvent quality influence on conformation of conjugated polymers and small molecules	Thin films of electron donor-acceptor complexes: characterisation of mixed-crystalline phases and implications for electrical doping		High Performance Molecular Rectifiers Enabled by Intermolecular Charge Transfer	
16:20	Sørensen, Michael Korning	Lungwitz, Dominique		Zhao, Haoyu	
	Manipulating organic semiconductor morphology with visible light	Spectral Signatures of a Negative Polaron in a Doped Polymer Semiconductor: Energy Levels and Hubbard U interactions		Origin of Temperature-Driven Morphology Changes in High-Performance Bulk Heterojunction Active Layer of Organic Solar Cell Device	
16:40		Yeager, Spencer		Wang, Cheng	
		Controlling Energy Level Distributions in Conjugated Polymers to Help Drive Redox Processes		Structure and morphology of conjugated polymer thin films under tensile deformation	
	Session Chair Yu Zhong	Dali Sun		Karl Thorley	
	Session 9 Synthesis	Emerging applications		Synthesis	
	15:30 (invited) Dwight Seferos	Eleni Stavrinidou		Rafael Verduzco	
	Well-Defined Conjugated Polymers	Plant bioelectronics for high resolution monitoring and electronic control of plant processes		Conjugated Covalent Organic Framework Photocatalysts for Chemical Synthesis and Environmental Remediation	
16:00	Rasmussen, Seth	Peteanu, Linda		Zhong, Yu	
	Deviate from the norm: Ambipolar-acceptor frameworks as a new design paradigm for low bandgap polymers	Solvent-driven helix-coil transitions in chiral conjugated polymers		2D porphyrin polymers and their heterostructures for electronic and ionic devices	
16:20	Noonan, Kevin	Liu, Jun		Collier, Graham	
	Furan-Based Conjugated Polymers and Macrocycles	Understanding Thermal Transport in Conjugated Polymers		Leveraging Simplicity for Improved Sustainability of Conjugated Materials	
16:40	Seifrid, Martin	Panjwani, Naitik		Wu, Xiaocui	
	Can Machines Learn from the Literature? State-of-the-Art, Important Lessons and a Discussion of Future Opportunities	Probing Charging and Discharging of Organic Radical Batteries by EPR		Polymerization Mechanism of Aldol Condensation Reaction in Rigid Rod Conjugated Polymers	
	17:00 End of Presentation	End of Presentation		End of Presentation	
	19:00		Catered Poster Session	Banquet	