Sunday, 24 June

ICD		
Time	Title	Location
16:00–18:00	Registration	Entrance Area
18:00–20:00	Conference Get-together	Terrace Foyer

Monday, 24 June

Plenary Hall

Time	Title	Speaker
08:20–08:40	**Conference Opening**	
08:20–08:30	Welcome Address by the Rector of TU Dresden	Prof. Ursula Staudinger
08:30–08:40	Welcome and Opening by the Honorary Chair	Prof. Klaus Muellen
08:40–10:00	**Plenary I** **Chairs: Karl Leo**	
08:40–09:20	Organic Photodetectors: Material Design, Device Engineering, and Applications	Thuc-Quyen Nguyen
09:20–10:00	2D Semiconductors and Conjugated Polymers - not so Different After All?	Lupton, John M.
10:00–10:30	**Coffee Break**	
10:30–12:30	**OLED 1 - Materials 1** **Chairs: Hironori Kaji; Ifor Samuel**	
10:30–11:00	Design of multiresonance thermally activated delayed fluorescence materials for organic light-emitting diodes and light-emitting electrochemical cells	Zysman-Colman, Eli
11:00–11:15	TTM-acceptor radicals for doublet emission	Walker, Lucy Ellen
11:15–11:30	TADF-assisted luminescence of platinum(II) and iridium(III) complexes: Have we been wrong about metalorganics?	Pander, Piotr
11:30–11:45	Novel Concepts for Low-Absorption Dopants Enabling High-Efficiency OLEDs and Organic Solar Cells	Stolz, Julia
11:45–12:00	Photon correlation and spectral studies on a donor-acceptor type TADF emitter embedded in various host materials	Ewald, Björn
12:00–12:30	Solid state Solvation	Painelli, Anna
12:30–13:30	**Lunch Break**	
13:30–15:30	**OLED 2 - Device physics 1** **Chairs: Eli Zysman-Colman; Alexander Romanov**	
13:30–14:00	Comprehensive Understanding of OLEDs based on Quantum Chemical Calculations, Multiscale Simulations, and NMR	Kaji, Hironori
14:00–14:15	Comprehensive Exploration of Exciton Quenching in OLEDs through Combined Characterization and Computational Simulation	Stanzani, Edoardo
14:15–14:30	Efficiency Roll-Off in Light-Emitting Electrochemical Cells	Zhang, Xiaoying
14:30–14:45	Efficient and stable pure-blue single-layer organic light-emitting diodes based on trap-free hyperfluorescence	Blom, Paul W.M.
14:45–15:00	The Sweet Spot of Energy Level Alignment in Hyperfluorescent OLEDs	Saxena, Rishabh
15:00–15:30	OLEDs with Record Light Output and an Electrically Driven Polymer Laser	Samuel, Ifor DW.
15:30–16:00	**Coffee Break**	
16:00–17:15	**OLED 3 - Device physics 2** **Chairs: Andreas Mischok; Hugo Bronstein**	
16:00–16:15	Developing Efficient Blue OLEDs with Novel MR-TADF Emitters through a Systematic Investigation of the Host-Guest Interactions	Hafeez, Hassan
16:15–16:30	Deep blue, highly efficient and stable OLED emitters based on Eu(II) complexes	Bärschneider, Toni
16:30–16:45	Golden Age of Carbene-Metal-Amide Energy Materialsin Deep-Blue and near-IR Energy Efficient OLEDs	Romanov, Alexander
16:45–17:15	Organic thin film crystal growth: formation and propagation	Rand, Barry

Hall 1

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:15	**OFETs - Solution processed 1** **Chairs: Mike Hambsch; Torsten Fritz**	
10:30–11:00	Stability of Solution-Processed Organic Transistors under Bias Stress	Jurchescu, Oana D.
11:00–11:15	Controlling layered molecular packing in π-extended organic semiconductor crystals	Higashino, Toshiki
11:15–11:30	Polymeric Schottky diodes with i-n homojunction	Kaneta. Takahiro
11:30–11:45	Optimized charge transport in molecular semiconductors by control of fluid dynamics and crystallization in meniscus-guided coating	Marszalek, Tomasz
11:45–12:00	Charge-Transfer Complexes: Implementation in solution-processed Organic Field-Effect Transistors	Giglio, Maria Elisabetta
12:00–12:15	Electron Donating Functional Polymer Dielectrics to Reduce the Threshold Voltage of n-type Organic Thin-Film Transistors	Ronnasi, Bahar
12:30–13:30	**Lunch Break**	
13:30–15:30	**OFETs - Device physics 1** **Chairs: Yong XU; Yu Yamashita**	
13:30–14:00	Nanoscale flexible organic thin-film transistors	Klauk, Hagen
14:00–14:15	How static and dynamic disorders influence charge transport in merocyanine crystals	Fazzi, Daniele
14:15–14:30	Understanding Charge Transport in Mixed 2D-3D Sn-Based Perovskites for High-Performance Field Effect Transistors	Pacorario, Stefano
14:30–14:45	Determination of charge injection barrier at organic semiconductor/metal interface using accumulated charge measurement	Tajima, Hiroyuki
14:45–15:00	Charge Transport and Partially Dressed Polaron Formation of Organic Semiconductors	Ishii, Hiroyuki
15:00–15:30	Visualizing carrier transport in organic field-effect transistors by nonlinear optical imaging	Guha, Suchi
15:30–16:00	**Coffee Break**	
16:00–17:30	**New materials approaches** **Chairs: Aram Amassian; Alexander Colsmann**	
16:00–16:30	Template-Designed Organic Electronics	Meerholz. Klaus
16:30–16:45	Extended dipole reorganization induced by a few affinity bindings in physisorbed protein layers	Scamarcio, Gaetano
16:45–17:00	Understanding How to Control Efficiency of Benzimidazoline Based n-type Dopants: A Structural Approach	Pallini, Francesca
17:00–17:30	Halide perovskite/MXene heterojunctions for stable solar cells?	Lira-Cantu, Monica

Hall 2

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**OPV 1 - Charge generation and voltage** **Chairs: Feng Gao; Tracey Clarke**	
10:30–11:00	What limits free charge generation in low offset organic solar cells?	Neher, Dieter
11:00–11:15	From Charge Generation to Collection - The Influence of Morphology on State-of-the-Art Evaporated Organic Solar Cells	Pacalaj, Richard Adam
11:15–11:30	Explaining the Open-Circuit Voltage Roll-Off in Organic Solar Cells	Krebs, Tobias
11:30–11:45	Identify the losses occurring in all-polymer solar cells	Laquai, Frédéric
11:45–12:00	Intra- and Inter-Molecular Charge Transfer Excitations in Non-Fullerene Acceptors: An Electroabsorption Spectroscopy Assessment	Mahadevan, Sudhi
12:00–12:30	Approaches to homojunction organic solar cells	Burn. Paul
12:30–13:30	**Lunch Break**	
13:30–15:15	**OPV 2 - Materials and Design** **Chairs: Lijian Zuo; Mathias Nyman**	
13:30–14:00	Molecular design and device engineering for high performance multicomponent organic solar cells	Chen, Hongzheng
14:00–14:15	On the critical role of singlet exciton decay as a competing process to free charge generation in organic solar cells with low energetic offsets	Pranav, Manasi
14:15–14:30	Generation of free charges via aggregated states of acceptor molecules in Y6-based solar cells	Ruseckas, Arvydas
14:30–14:45	High-throughput computational screening of non-fullerene acceptors	Blaskovits, J. Terence
14:45–15:15	Photochromic donor-acceptor molecules for use in semi-transparent solar cells with dynamic optical properties	Demadrille, Renaud
15:30–16:00	**Coffee Break**	
16:00–17:30	**OPV 3: Organic Photodetectors** **Chairs: Frank Würthner; Johannes Benduhn**	
16:00–16:30	New device architectures and performance limitations of organic infrared sensors	Vandewal, Koen
16:30–16:45	Uncooled, Extremely Low Power Shortwave Infrared Detection with Conductive Polymers	Vella, Jarrett H.
16:45–17:00	Low-donor content approach for sensitive narrowband organic near-infrared photodetectors	Zhang, Tianyi
17:00–17:30	Organic Photodiode Architecture and Interfaces for Low-Noise Infrared Image Sensors	Georgitzikis, Epimitheas

Hall 3

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**Sensors and Bio 1** **Chairs: Guglielmo Lanzani; Hagen Klauk**	
10:30–11:00	Responsive n-type mixed conductors for diagnostics and therapy	Inal, Sahika
11:00–11:15	Engineering the Thin-Film Response of Metal Phthalocyanine-Based Organic Thin-Film Transistor Cannabinoid Sensors for Improved Sensitivity	Lamontagne, Halynne R.
11:15–11:30	Organic Transistor Chip for Multiplexed Selective Ion Sensing	Yambem, Soniya Devi
11:30–11:45	What determines the spatial resolution in organic optobioelectronic devices?	Fabbri, Luca
11:45–12:00	Hydrogel-Enabled Organic Electrochemical Transistors for Battery-free Oxygen sensing	Decataldo, Francesco
12:00–12:30	Mixed Electron-Ion-Solvent Transfer in P3HT and PEDOT:PSS Monitored using Quartz Crystal Microbalance with Dissipation Monitoring	Lutkenhaus, Jodie
12:30–13:30	**Lunch Break**	
13:30–15:30	**Sensors and Bio 2** **Chairs: Megumi Akai-Kasaya; Hans Kleemann**	
13:30–14:00	Enhanced Sensing and Biointerfacing with Intelligent Bioelectronic Systems and Organic Artificial Neurons	Torricelli, Fabrizio
14:00–14:30	n-PBDF: Rival, Competitor, and Partner to PEDOT	Mei. Jianuo
14:30–14:45	Room temperature hydrogen sensors based on electrochemical polymerised polycarbazole.	Glosz, Karolina
14:45–15:00	Nanoscale Investigations of Electroactuation in Conductive Polymers for Bioelectronics with Modulated-Electrochemical Atomic Force Microscopy	Bonaffi, Filippo
15:00–15:30	Complexity in Organic Mixed Ionic Electronic Conductors and its Application in Neuromorphic Computing	Kleemann, Hans
15:30–16:00	**Coffee Break**	
16:00–17:30	**Sensors and Bio 3** **Chairs: Hans Kleemann; Richard Kantelberg**	
16:00–16:30	Organic Mixed Ionic Electronic Conductors for Electrochemical and Energy Storage Devices	Patil, Satish A.
16:30–16:45	Gate and channel capacitance coupling in organic electrochemical transistor for biosensing applications	Colucci, Renan
16:45–17:00	Simulation of organic mixed ionic and electronic conductors with a combined classical and quantum mechanical model	Landi, Alessandro
17:00–17:30	Blend-Based Organic Electrochemical Transistors	Frey, Gitti

Hall 4

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**Perovskites 1** **Chairs: Thomas Kirchartz; Alexander Giovannitti**	
10:30–11:00	Formation, stability and crystallization of two-dimensional perovskites and their interfaces	Nogueira, Ana Flavia
11:00–11:15	Development of Multipodal Hole-Collecting Monolayers for Efficient Inverted Perovskite Solar Cells	Truong, Minh Anh
11:15–11:30	Modulation of Interfacial Recombination Currents by Mobile Ions Improves the Open-Circuit Voltage of Perovskite Solar Cells	Hart, Lucy Jessica Fiona
11:30–11:45	Impact of HOMO Levels of Hole Transport Materials on Performance of pin Perovskite Solar Cells	Hosseini Fard, Mohsen
11:45–12:15	Material and Device Design for Multijunction Perovskite Solar Cells	Janssen, Rene
12:30–13:30	**Lunch Break**	
13:30–15:30	**Perovskites 2** **Chairs: Alexandre Abhervé; Lucy J.F. Hart**	
13:30–14:00	Materials Theory of Halide Perovskites: Focus on Defects and Charility	Tao, Shuxia
14:00–14:15	Improved Control of Perovskite Thin Film Fabrication via Reactive Spin coating based on Real-Time In-Situ Feedback from Optical Spectroscopy	Biberger, Simon
14:15–14:45	Unravelling the Photophysics of Halide Perovskites with Pi. Spectro-microscopy	Kahmann, Simon
14:45–15:00	Modulating Crystallization in Quasi-2D Perovskite Materials for High Performance Printed Perovskite Solar Cells	Jang, Jubin
15:00–15:30	Limits to Superposition and the Importance of the Photoshunt in Organic and Perovskite Solar Cells	Kirchartz, Thomas
15:30–16:00	**Coffee Break**	
16:00–17:15	**Processing and Struct.-Prop. Relationships 1** **Chairs: Katherina Haase; Ivan H. Bechtold**	
16:00–16:30	Tuning the photophysics of pentacene: Structure-property relationship in binary blends	Schreiber, Frank
16:30–16:45	Interplay between intra vs. intermolecular charge-transfer process in donor-acceptor based distyrylbenzene	Bhattacharjee, Indranil
16:45–17:15	Band Structure Engineering in Highly Crystalline Organic Semiconductors	Wang, Shu-Jen

Hall 5

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**Organic Conductors and Superconductors** **Chairs: Martin Dressel**	
10:30–11:00	Chirality related properties in molecular conductors	Avarvari, Narcis
11:00–11:15	Raman signatures of the strong intra- and inter-molecular charge oscillations in κ-phase BEDT-TTF salts	Girlando, Alberto
11:15–11:30	Emergent spin-momentum locking in triplet-mixed Cooper pairs in a chiral organic superconductor	Sato, Takuro
11:30–11:45	Enhanced low-frequency noise in a carrier-doped Mott-insulating OFET channel	Thyzel, Tim
11:45–12:00	Investigation of the spin-singlet state formation in monomer Mott insulator (BEDT-TTF)Cu[N(CN)$_2$]$_2$ with ESR and structural analysis	Nuryadin, Muhammad Khalish
12:00–12:30	Conjugated Materials for Stretchable Electronics: Molecular Engineering and Strategies	Sonar, Prashant
12:30–13:30	**Lunch Break**	
13:30–15:15	**Thermoelectrics 1** **Chairs: Chihaya Adachi; Ian Jacobs**	
13:30–14:00	Doped Organic Semiconductors - Opportunities in Thermoelectrics and Bioelectronics	Thelakkat, Mukundan
14:00–14:15	Printed Organic Thermoelectric Materials and Devices for Wearables	Molina-Lopez, Francisco
14:15–14:30	Effects of Microstructure on Thermoelectric and Charge Transport Properties of Doped Polymer Thin-Films	Kwak, Jeonghun
14:30–14:45	Impact of Counterion Size and Doping Concentration on the Electronic and Thermoelectric Properties of Semiconducting Polymers	Graham, Kenneth
14:45–15:15	Printed thermoelectrics for energy harvesting and sensing	Lemmer, Uli
15:30–16:00	**Coffee Break**	
16:00–17:30	**Spin and Magnetism 1** **Chairs: Nuria Crivillers; Ying Diao**	
16:00–16:15	Advancements in Organic Spintronics: Understanding and Harnessing Spinterface	Ding, Shuaishuai
16:15–16:30	Design Rules for Luminescent Radicals with High Spin States	Matasovic, Lujo
16:30–16:45	Modelling photoinduced spin polarization in chiral organic systems	Phan Huu, Dang Khoa Andrea
16:45–17:00	Triplet fusion in organic bilayer system	Yang, Hanbo
17:00–17:30	Optically detected coherent control of molecular spins at room temperature	Bayliss, Sam L.

17:30–19:30
Poster Session I
Terrace Foyer

Tuesday, 25 June

Plenary Hall

Time	Title	Speaker
08:40–10:00	**Plenary II** **Chair: Thuc-Quyen Nguyen**	
08:40–09:20	Interface Chemistry for Organic and Hybrid Organic Inorganic Electronics and Opto-electronics	Marder, Seth
09:20–10:00	Printable Organic and Perovskite Solar Cells for Clean Energy	Jen, Alex K-Y.
10:00–10:30	**Coffee Break**	
10:30–12:15	**OLED 5 - Microcavities 1** **Chair: Barry P. Rand; Yohei Yamamoto**	
10:30–11:00	Simple and Versatile Platforms for Manipulating Light with Matter: Strong Light–Matter Coupling in Fully Solution-Processed Optical Microcavities	Stingelin, Natalie
11:00–11:15	Coherent light emission from optical microresonators created by direct laser writing	Antrack, Tobias
11:15–11:30	Narrowband, angle-independent, and efficient polariton organic light emitting diodes for display applications	Mischok, Andreas
11:30–11:45	Room temperature exciton-polariton lasing and photonic lattices with a perylene bisimide based microcavity	Horneber, Dominik
11:45–12:15	Exciton-polaritons: From room temperature out-of-equilibrium condensates to manipulating 2D magnets	Menon, Vinod
12:30–13:30	**Lunch Break**	
13:30–15:15	**OLED 6 - Materials 2** **Chairs: Ifor Samuel; Ivan Kassal**	
13:30–14:00	Key photophysical requirements for Ultra-Efficient Sensitisation in Hyperfluorescence OLEDs	Monkman, Andrew
14:00–14:15	Nonradiative Transitions as Vibronically Induced Phonon Emission and Absorption Processes	Ota, Wataru
14:15–14:30	Record-high surface potential by spontaneous orientation polarisation in organic semiconductors	Bruetting, Wolfgang
14:30–14:45	Unraveling the Phenomena of Through-Space Charge Transfer in Luminescent Au(III) Complexes	Kuo, Hsin-Hung
14:45–15:15	Harnessing Multiscale Chirality in Organic Semiconductors for Advanced Optoelectronics	Oh, Joon Hak
15:15–15:45	**Coffee Break**	
15:45–17:15	**OLED 8 - Device physics 4** **Chairs: Joon Hak Oh; Andrew Monkman**	
15:45–16:00	A figure of merit for efficiency roll-off in hyperfluorescent OLEDs	Sayner, Thomas
16:00–16:15	Voltage-Dependent Doping Efficiency in Light-Emitting Electrochemical Cells: Unmasking the Silent Participants	Rãfols-Ribé, Joan
16:15–16:30	A novel approach to investigate degradation in inverted quantum dot light emitting devices	Azadinia, Mohsen
16:30–16:45	Exciplex-driven blue OLEDs: unlocking multifunctionality applications	Morgenstern, Annika
16:45–17:15	High-efficiency All Fluorescence White OLEDs with High Color Rendering Index	Liu, Yuan

Hall 1

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**Perovskite 3** **Chairs: Han Young Woo; Norbert Koch**	
10:30–11:00	Heterojunction structures for perovskite photovoltaics	Vaynzof, Yana
11:00–11:15	Achieving 14.6%-Efficiency Perovskite Modules (168 cm^2) via *in situ* PL guiding	Ki, Taeyoon
11:15–11:30	Printed Nanoparticle Interlayers Enable High-Quality Organic Electron Transport Layers in Scalable Perovskite Solar Cells	Henderson, Charlie
11:30–11:45	Unlocking the challenge for n-type hybrid perovskite doping	Hirsch, Lionel
11:45–12:00	Suppressed gold penetration with molybdenum oxide interlayer to increase power conversion efficiency of perovskite solar cells	Purev-Ochir, Badamgarav
12:00–12:30	Conjugated Polyelectrolytes Are Compatible with Perovskites: Applications in Perovskite LEDs and Solar Cells	Woo, Han Young
12:30–13:30	**Lunch Break**	
13:30–14:45	**OLED 7 - Device physics 3** **Chairs: Yungui Li; Paul W. Blom**	
13:30–14:00	Charge carrier trapping in organic semiconductors	Blom, Paul WM
14:00–14:15	Excitation memory effects accelerate the transient response of solution-processed LEDs with organic hole-transport layers	Deng, Yunzhou
14:15–14:30	Charge accumulation and exciton quenching properties in polar and nonpolar emission layers of phosphorescent organic light-emitting diodes	Noguchi, Yutaka
14:30–14:45	Efficient single-layer inverted organic light-emitting diodes based on TADF emitters	Tan, Xiao
15:15–15:45	**Coffee Break**	
15:45–17:15	**OLED 9 - Materials 3** **Chairs: Yungui Li; Sebastian Reineke**	
15:45–16:00	Facile structure-modification of carbazole based on OLED for enhancing high clarity in High Tech Displays	Salah, Lubna Mustafa
16:00–16:15	Optically Induced Charge-Transfer in Donor-Acceptor-Substituted *p* - and *m* - $C_2B_{10}H_{12}$Carborane Cages	Ji, Lei
16:15–16:30	Systematic Investigation to Enable the High-Efficiency Thermally Activated Delayed Fluorescence Emitter for OLEDs	Pachai Gounder, Rajamalli
16:30–16:45	Optimizing triplet-singlet Förster-resonance energy transfer-based emitter systems for use in OLEDs featuring persistent electroluminescence	Huang, Rongjuan
16:45–17:00	Organic molecules with inverted excited-state singlet-triplet gaps for the next generation of light-emitting diodes	Blaskovits, J. Terence
17:00–17:15	Machine learning of the electronically excited states of organic radicals for OLEDs and qubits	Green, James David

Hall 2

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**OPV 4 - High-performance** **Chairs: Dieter Neher; Paul Burn**	
10:30–11:00	Minimized voltage losses in organic solar cells	Gao, Feng
11:00–11:15	Mechanism and structure-performance relationships of high-performance organic solar cells	Chow, Philip CY
11:15–11:30	Optimize the Charge Collection Efficiency in Solution-Processed Photovoltaic-Type Devices	Cai, Wanzhu
11:30–11:45	AI-driven autonomous optimization of OPV-cells	Osterrieder, Tobias
11:45–12:00	Equally High Efficiencies of Organic Solar Cells Processed from Different Solvents Reveal the Key Factors for Morphology Control	Zhang, Rui
12:00–12:30	The Role of Triplet States in Non-Fullerene Acceptors for Organic Photovoltaics	Clarke, Tracey M.
12:30–13:30	**Lunch Break**	
13:30–15:15	**OPV 5 - New materials & design** **Chairs: Hongzheng Chen; Renaud Demadrille**	
13:30–14:00	Intermolecular strategy to reduce the electron-vibration coupling for high-performance organic solar cells	Zuo, Lijian
14:00–14:15	Enhancing Efficiency and Stability in Organic Solar Cells through Non-Fullerene Acceptors with Asymmetric Side Chains	Liu, Chunchen
14:15–14:30	How molecular stacking influences device photovoltaic performance	Jia, Xiangkun
14:30–14:45	Delocalisation in device-scale drift-diffusion models	Kassal, Ivan
14:45–15:15	Controlled Doping of the Active Layer as a possible Performance Enhancer in Organic Solar Cells	Nyman, Mathias
15:15–15:45	**Coffee Break**	
15:45–17:00	**OPV 6** **Chairs: Derya Baran; Hin-Lap Yip**	
15:45–16:15	Intermolecular interactions and their relevance for self-assembly and phase behavior	Ade, Harald
16:15–16:30	Triplet sensitization via charge recombination at donor:acceptor interface for efficient solid-state photon upconversion	Tamai, Yasunari
16:30–16:45	Exploring organic semiconductor nanoparticles for efficient water-processed solar cells	Laval, Hugo
16:45–17:00	How 'Hot' are the Charges in Organic Solar Cells?	Viji, Priya

Hall 3

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:15	**(Photo)catalysis 1** **Chairs: Kilwon Cho; Lukas Bongartz**	
10:30–11:00	Organic Semiconducting Polymer Photocatalysis for Water and CO_2 Reduction	McCulloch, Iain
11:00–11:15	Designing conjugated polymer nanoparticles for efficient and Pt-free hydrogen evolution	Holmes, Alexandre
11:15–11:30	Better organic semiconductors through liquid purification	Giovannitti, Alexander
11:30–11:45	On conductive metal-organic frameworks comprising novel tetrathiafulvalene-analogous linkers	Böhm, Dominik
11:45–12:15	Organic and Bio-organic Conductors and Semiconductors for Electrochemical Reduction of CO_2 into Artificial Fuels	Sariciftci, Niyazi Serdar
12:30–13:30	**Lunch Break**	
13:30–15:15	**OFETs - Solution processed 2** **Chairs: Oana D. Jurchescu; Tomasz Marszalek**	
13:30–14:00	Blending small molecule semiconductors with polystyrene for improving OFETs reliability and performance	Mas-Torrent, Marta
14:00–14:15	Intrinsically stretchable OECTs enabled through transfer-printed PEDOT:PSS on biodegradable substrates	Volkert, Carla
14:15–14:30	Solution-processed organic and hybrid phototransistors for visible and near-infrared light	Baroni, Giulia
14:30–14:45	Improving Single-Walled Carbon Nanotube Field-Effect Transistors: from Dispersions and Printing to Device Engineering	Ourabi, May
14:45–15:15	Light-gated polymer transistors	Kraft, Ulrike
15:15–15:45	**Coffee Break**	
15:45–17:30	**OFETs - Device physics 2** **Chairs: Suchi Guha; Anton Kirch**	
15:45–16:15	Precise Extraction of Carrier Mobility for Organic Transistors	Xu, Yong
16:15–16:30	Hall Mobility exceeding 100 cm^2/Vs in strained organic semiconductors	Furukawa, Tomoki
16:30–16:45	The Effects of Strain on the Electronic Properties of Rubrene Single Crystals	Goldberg, Elliot David
16:45–17:00	Selective Operation of Enhancement and Depletion Modes of Nanoscale Field-Effect Transistors	Sagade, Abhay Abhimanyu
17:00–17:30	Stable and scalable chemical doping for advanced organic semiconductor devices	Yamashita, Yu

Hall 4

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**Sensors and Bio 4** **Chairs: Fabrizio Torricelli; Jianguo Mei**	
10:30–11:00	Cell-Driven Supramolecular Assembly of Organic Nanofibers	Lanzani, Guglielmo
11:00–11:15	Membrane Targeted Azobenzenes Drive Optical Modulation of Bacterial Membrane Potential	Paternò, Giuseppe Maria
11:15–11:30	Photo-patternable hydrogel electrolytes for solid-state organic electrochemical transistors	Xiong, Miao
11:30–11:45	Transparent Organic Electrochemical Transistor with Improved Stretchability	Abe, Takaaki
11:45–12:00	Low-Noise Wearable Sweat Sensing with Flexible Complementary Organic Circuits	Ikarimoto, Syu
12:00–12:30	Synthesis and applications of new mixed ionic-electronic conductors and devices	Facchetti, Antonio
12:30–13:30	**Meet the editors and top tips for getting published sponsored by Elsevier BV**	
13:30–15:15	**Sensors and Bio 5** **Chairs: Sahika Inal; Jodie Lutkenhaus**	
13:30–14:00	Conductive Polymer Networks for Neuromorphic Wetware	Akai-Kasaya, Megumi
14:00–14:15	Study of the non-volatility in Electrochemical Neuromorphic Organic Devices	F. P. Barbosa, Henrique
14:15–14:30	Organic Semiconductor Neutron Detectors Based on a Polymer Acceptor with Carborane Inclusion	Horner, Aled
14:30–14:45	Reservoir Computing with Organic Fiber-Grown Networks	Kantelberg, Richard
14:45–15:15	Organic neuromorphic electronics	Gkoupidenis, Paschalis
15:15–15:45	**Coffee Break**	
15:45–17:30	**Thermoelectrics 2** **Chairs: Mukundan Thelakkat; Ulrich Lemmer**	
15:45–16:15	A strategy towards biomimetic and transient polymer (bio)electronics	Travas-Sejdic, Jadranka
16:15–16:30	Quantitatively Accurate Simulations of the Thermal Conduction of Organic Semiconductor Crystals using Machine-Learned Potentials	Legenstein, Lukas
16:30–16:45	Precise tuning of interlayer electronic coupling in 2D conjugated coordination polymers	Lu, Yang
16:45–17:00	In-operando spectroscopic characterization of non-equilibrium states in a highly doped polymer	Jacobs, Ian
17:00–17:30	Organic thermoelectric devices based on CT complexes	Adachi, Chihaya

Hall 5

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**Nanomaterials 1** **Chairs: Emmanuel Flahaut; Antonio Facchetti**	
10:30–11:00	Soft PhotoElectroChemical Systems for Solar Fuels	Ratcliff, Erin
11:00–11:15	Luminescent Solar Concentrators: A Measurement Technique for Effective Emitter Screening	Siegmund, Bernhard
11:15–11:30	Controlling light at the nanoscale with conducting polymers	Jonsson, Magnus
11:30–11:45	Exciton diffusion in 2-d platelet assemblies of conjugated polymers	Greenham, Neil
11:45–12:00	Stable Redox-Active Gold Nanoparticles with *N* -Heterocyclic Carbene/Triphenylamines Surface Ligands for Application in Optoelectronics	Zhang, Haoran
12:00–12:30	The light-emitting electrochemical cell: Controlling in situ doping for efficient and sustainable function	Edman, Ludvig
12:30–13:30	**Lunch Break**	
13:30–15:15	**Org. Cond&Superc 2** **Chairs: Narcis Avarvari; Alberto Girlando**	
13:30–14:00	Molecular Quantum Electronics	Dressel, Martin
14:00–14:15	Gapless Spin Liquid Behavior in κ-$(ET)_2Cu[Au(CN)_2]Cl$	Maesato, Mitsuhiko
14:15–14:30	Thin films of electron donor-acceptor complexes: characterisation of mixed-crystalline phases and implications for electrical doping	Opitz, Andreas
14:30–14:45	Digital Discovery of Semiconducting Polymers: from Chemical Drawing to Electronic Properties	Makki, Hesam
14:45–15:15	Band Structure Engineering and Excitons in 2D Covalent Organic Frameworks	Ortmann, Frank
15:15–15:45	**Coffee Break**	
15:45–16:45	**Org. Cond&Superc 3** **Chairs: Frank Ortmann; Hiroki Akutsu**	
15:45–16:00	Perimidine-Based Electropolymerizable Compounds as a New Class of Organic Semiconductors	Janasik, Patryk
16:00–16:15	Bis-vinylenedithio-tetrathiafulvalene (BVDT-TTF) and ethylene-vinylenedithio-tetrathiafulvalene (EVT-TTF) based materials	Zigon, Nicolas
16:15–16:45	Main-group-based π-electron materials with NIR-fluorescence properties	Yamaguchi, Shigehiro

17:30–19:30
Poster Session II
Terrace Foyer

Wednesday, 26 June

Plenary Hall

Time	Title	Speaker
08:40–10:00	**Plenary III** **Chairs: Alex K.-Y. Jen; John Lupton**	
08:40–09:20	Organic bioelectronics *in-vivo* manufactured on single cells and in the brain	Berggren, Magnus
09:20–10:00	Charge transport and thermoelectric physics of conjugated polymers at ultrahigh charge densities	Sirringhaus, Henning
10:00–10:30	**Coffee Break**	
10:30–12:30	**OLED 10 - Novel luminescence 1** **Chairs: Fernando B. Dias; Simone Lenk**	
10:30–11:00	Applications based on persistent luminescence: programmable luminescent tags, oxygen sensors, and wavelength trackers	Reineke, Sebastian
11:00–11:15	Stimulated luminescence from stable charges of organic semiconductors	Kabe, Ryota
11:15–11:30	Revisiting the strange photophysics of benzophenone	Francener, Carolina
11:30–11:45	Microscopic Understanding of Fast, Efficient, Narrowband Room-Temperature Phosphorescence from Metal-Free 1,2-Diketones	Miyata, Kiyoshi
11:45–12:00	Design of purely organic molecules with efficient room temperature phosphorescence for digital luminescence.	Tsiko, Uliana
12:00–12:30	Energy transfer between Singlet, triplet and doublet	Li, Feng
12:30–13:30	**Lunch Break**	
13:30–15:15	**OLED 12 - Materials 4** **Chairs: Sebastian Reineke; Antonio Maggiore**	
13:30–14:00	Spin radical organic semiconductors	Friend, Richard
14:00–14:15	High-performing near-infrared doublet fluorescent OLEDs based on reversible triplet-doublet energy transfer	Cho, Hwan-Hee
14:15–14:30	Shining Light on Inverted Singlet-Triplet Emitters	Di Maiolo, Francesco
14:30–14:45	A complete picture of intersystem crossing in multiple-resonance TADF emitters	Gillett, Alexander James
14:45–15:00	Reducing energetic disorder in materials with high permanent dipole moments.	Stankevych, Andrei
15:00–15:15	Carbazole dendrimer-based luminescent materials: From TADF to radicals	Albrecht, Ken
15:30–16:00	**Coffee Break**	
16:00–17:30	**OLED 13 - Materials 5** **Chairs: Anton Kirch; Feng Li**	
16:00–16:30	Polymeric optoelectronic materials fine-tuned for application	Voit, Brigitte
16:30–16:45	Emitter orientation distributions in thermally evaporated OLED host materials: probing the nanoscale morphology of devices with single-molecule microscopy	Tenopala-Carmona, Francisco
16:45–17:00	Activating thermally activated delayed fluorescence (TADF) through aggregation-induced hot-exciton and sonocrystallization.	Maggiore, Antonio
17:00–17:30	Photophysics and Devices of Platinum(II) Complexes showing Intense, Excimer Like, Near-Infrared Luminescence.	Dias, Fernando B.

Hall 1

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**OLED 11 - Materials and Device physics 5** **Chairs: Frédéric Laquai; Martin P. Pfeiffer**	
10:30–11:00	Innovations in Phosphorescent OLED Technology	Hack, Michael
11:00–11:15	Tuning charge-transfer states by interface electric fields	Kirch, Anton
11:15–11:30	Understanding and optimizing trap-dilution effects in organic semiconductor insulator blends for organic light-emitting diodes	Walz, Franziska
11:30–11:45	When is a trap a trap in OLED host-guest compositions?	Kadashchuk, Andriy
11:45–12:00	Scalable Nanoscale OLED pixelization Towards Electroluminescent Metasurfaces	Marcato, Tommaso
12:00–12:30	The impact of donor moiety on electrochromic and electroluminescent properties of benzothiadiazole D-A-D derivatives	Pluczyk-Malek, Sandra
12:30–13:30	**Lunch Break**	
13:30–15:30	**Perovskites 4** **Chairs: Shuxia Tao; Yana Vaynzof**	
13:30–14:00	Breaking low efficiency limit in 2D hybrid perovskite solar cells by controlling crystal growth.	Degani, Matteo
14:00–14:15	Surface and grain boundary Passivation using Tetra-phenylethylene Derivative for High-Performance Perovskite Solar Cells	Palariya, Anuj Kumar
14:15–14:45	Shedding Light on Wide Bandgap Perovskites	Saliba, Michael
14:45–15:00	Teaching Perovskite Solar Cells a Better Behavior – or How to Tame Hysteresis	Meitzner, Rico
15:00–15:30	Vapor phase deposited perovskites for photovoltaics and electroluminescent devices.	Bolink, Henk
15:30–16:00	**Coffee Break**	
16:00–17:30	**Processing and Struct.-Prop. Relationships 2** **Chairs: Frank Schreiber; Wolfgang Bruetting**	
16:00–16:15	thermal physical cross-linking for novel polymer-based electronic devices	Haase, Katherina
16:15–16:30	Order-induced Backbone Strengthening in Solution-processed Semiconducting Polymers	Lin, Hong-Hsuan
16:30–16:45	Perpendicular Crossing Chains Enable High Mobility in a Non-Crystalline Conjugated Polymer	Coker, Jack Felix
16:45–17:00	Impact of Side Chain Chemistry and Symmetry on the Redox Properties of Acyclic Dioxythiophene Polymers	Rinehart, Joshua M.
17:00–17:30	Rigid Lattice Epitaxy vs. Flexible 2D Crystals	Fritz, Torsten

Hall 2

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**OPV 7: Organic Photodectors II** **Chairs: Epimitheas Georgitzikis; Johannes Benduhn**	
10:30–11:00	Supramolecularly engineered dye aggregates for narrowband organic photodiodes	Würthner, Frank
11:00–11:15	High-gain photo-memory effect in organic permeable base transistors	Schröder, Jonas
11:15–11:30	Organic/inorganic Hybrids for Efficient and Sensitive X-ray Detectors	Alsharif, Sarah
11:30–11:45	Highly Sensitive Organic Photodetectors with Constant Specific Detectivity under Reverse Bias	Xing, Shen
11:45–12:00	Influence of the polymer chain length on the intrinsic detectivity limits of organic photodetectors	Gielen, Sam
12:00–12:15	Impact of Non-fullerene Acceptor Glycol Side Chains for Free Charge Generation and Single-Component Organic Photodetectors	Zhang, Lei
12:15–12:30	Vapour-deposited single-component organic photodetector shows high-efficient sensing in photovoltaic mode	Wolansky, Jakob
12:30–13:30	**Lunch Break**	
13:30–15:30	**OPV 8** **Chairs: Harald Ade; Ulrike Kraft**	
13:30–14:00	Optical Design for Organic-based Semi-transparent and Tandem Solar Cells	Yip, Hin-Lap
14:00–14:15	The role of the acceptor in hole transport within organic solar cells with low-donor composition	Spoltore, Donato
14:15–14:30	Boosting the efficiency and stability of emerging solar-cells by reducing detrimental surface recombination effects	Österbacka, Ronald
14:30–14:45	Fill-factor limit of organic solar cells	Zhang, Huotian
14:45–15:00	Industrial roll to roll Printed OPV for indoor applications	Österberg, Thomas
15:00–15:30	Resilient and Sustainable Organic Semiconductor Devices: from energetics to green processing	Baran, Derya
15:30–16:00	**Coffee Break**	
16:00–17:15	**Perovskites 5** **Chairs: Ana Flavia Nogueira; Letian Dou**	
16:00–16:30	Supramolecular Assembly and Light-Emission in Organic Semiconductor-incorporated Perovskite (OSIP)	Dou, Letian
16:30–16:45	Electron’s Spin Selectivity in Chiral Lead-Bromide Perovskites	Abhervé, Alexandre
16:45–17:15	Photo-induced energy level re-alignment at interfaces between metal halide perovskites and organic charge transport layers	Koch, Norbert

Hall 3

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:15	**OFETs - Electrochemical** **Chairs: Bahar Ronnasi; Martina Cicolini**	
10:30–11:00	High Performance Vertical Organic Electrochemical Transistors	Lussem, Björn
11:00–11:15	Contact Resistances in low-dimensional Organic ElectroChemical Transistors	Sanaur, Sébastien
11:15–11:30	Contact resistance and transconductance in organic electrochemical transistors;	Dreamer, Ned
11:30–11:45	Pigment based Edible Electrochemical Transistors	Luzio, Alessandro
11:45–12:00	Gate effects and trap DOS changes in IDT-BT and P3HT based EGOFETs	Luukkonen, Axel
12:00–12:15	Ladder-type conjugated polymers for stable organic electrochemical neurons	Yang, Chi-Yuan
12:15–12:30	Efficiency enhancement of organic light-emitting transistors using thermal-imprinted diffraction gratings	Nouri Rezaie, Mahdiyar
12:30–13:30	**Lunch Break**	
13:30–15:30	**OFETs - Materials** **Chairs: Stefan C. Mannsfeld; Daniele Fazzi**	
13:30–14:00	The road to “Green” Organic Bioelectronics	Irimia-Vladu, Mihai
14:00–14:15	Towards Sustainable Electronics: Chitosan-Based Dielectrics in Single-walled Carbon Nanotube Thin-film Transistors	Ronnasi, Bahar
14:15–14:30	Design and Development of Bio-compatible, Stretchable, and Biodegradable Collagen-Based Organic Field-Effect Transistors	Kulatunga, Piumi Pabodini Kumari
14:30–14:45	Sustainable and scalable access to 3,4-Perylenedicarboxylic acid derivatives	Sassi, Mauro
14:45–15:00	Efficiently exploitation of charge trapping mechanism in organic light-emitting transistor with radical emitter	Reginato, Francesco
15:00–15:15	PMMA dielectric driven α particle detection in DPP-DTT OFETs	Amjad, Choudhry Zahaab
15:15–15:30	Bio-polymer dielectrics for Organic (light-emitting) Field Effect Transistors	Gallegos-Rosas, Katherine
15:30–16:00	**Coffee Break**	
16:00–17:00	**Thermoelectrics 3** **Chairs: Jadranka Travas-Sejdic; Ludvig Edman**	
16:00–16:15	Synthesis of 5-membered *N*-heterocycle based dimeric compounds and their use as n-type dopants in organic semiconductors	Mohapatra, Swagat
16:15–16:30	Charge Transport Properties in Electrochemically-Doped Conducting Polymer PBTTT	Ito, Shun-ichiro
16:30–16:45	Phonon-glass, electron-crystal transport in 2D conjugated coordination polymers	Lin, Hio-Ieng
16:45–17:00	Modelling of the structural properties and thermal conductivity of Organic Thermoelectric Polymers	Meulemans, Arne

Hall 4

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:15	**Sensors and Bio 6** **Chairs: Christine Luscombe; Tsuyoshi Sekitani**	
10:30–11:00	Point-of-care ultra-portable single-molecule bioassays for one-health	Torsi, Luisa
11:00–11:15	Unraveling the Bistability of Solid-State OECTs	Bongartz, Lukas M.
11:15–11:30	Cellulose-based Conductive Biocomposites for Bioelectronics	Tekoglu, Serpil
11:30–11:45	Microfluidic Sensor for Detecting Swimming Zoospores	Zhang, Peikai
11:45–12:15	Biomimetic conducting polymer devices to study the microbiome-gut-brain axis	Owens, Roisin Meabh
12:30–13:30	**Lunch Break**	
13:30–15:30	**Sensors and Bio 7** **Chairs: Luisa Torsi; Roisin M. Owens**	
13:30–14:00	Brain Measurement System Utilizing Flexible, Stretchable Devices	Sekitani, Tsuyoshi
14:00–14:15	Adapting semiconducting dyes for use in dual-action amine sensors	Grant, Michael
14:15–14:30	Ultra-fast Self-healing Polymer-based Skin Patch Sensor for Versatile Biometric Monitoring	Lee, Yongju
14:30–14:45	Electrolyte Gated Organic Field - Effect Transistors For Point Of Care Tests	Ortiz - Aguayo, María Jesús
14:45–15:00	Analysis of clinical samples of pancreatic cyst's lesions with A Multi-Analyte Bioelectronic Simot Array benchmarked against ultrasensitive chemiluminescent immunoassay	Macchia, Eleonora
15:00–15:30	Investigating new mechanisms for the synthesis of semiconducting polymers	Luscombe, Christine
15:30–16:00	**Coffee Break**	
16:00–17:30	**Nanomaterials 2** **Chairs: Erin Ratcliff; Neil Greenham**	
16:00–16:30	Two-Dimensional Hybrid Perovskites in Field-Effect Transistors	Pisula, Wojciech
16:30–16:45	Perovskite nanocrystals for optical wireless communication	Nie, Shenyu
16:45–17:00	Stable and highly fluorescent lead halide perovskite nanocrystals protected by an *in situ* formed lead halide-amino acid matrix	Mayr, Felix
17:00–17:30	Non-invasive drug delivery through skin electroporation: materials science and electrical engineering aspects	Flahaut, Emmanuel

Hall 5

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**Org. Cond&Supercr. 4** **Chairs: Shigehiro Yamaguchi; Simone Fratini**	
10:30–11:00	Engineering Charge Transport Properties in Doped Conjugated Polymers for Organic Thermoelectrics	Cho, Kilwon
11:00–11:15	Room-Temperature Columnar Liquid Crystals from Twisted and Macrocyclic 9,9′-Bifluorenylidene Mesogen with Ambipolar Carrier Transport Properties	Xu, Jinjia
11:15–11:30	Novel conducting polymers based on protonated perimidine, 1H-perimidine and 1H,3H-perimidine	Lapkowski, Mieczyslaw
11:30–11:45	Molecular Memristors for Novel Oscillator Applications	Ochima, Yugo
11:45–12:00	Predicting Dynamics and Structure of Organic Semiconductor Crystals through Computational Science	Watanabe, Go
12:00–12:15	Precise and reproducible chemical doping of organic semiconductors using aqueous solution	Ishii, Masaki
12:15–12:30	Oligomer-based conductors modeling the doped PEDOT family	Fujino, Tomoko
12:30–13:30	**Lunch Break**	
13:30–15:00	**2D materials 1** **Chairs: Iain McCulloch; Andrew Monkman**	
13:30–14:00	Two-Dimensional Conjugated Polymers: From Dream to Reality	Feng, Xinliang
14:00–14:15	Efficient room-temperature phosphorescence of covalent organic frameworks through covalent halogen doping	Hamzehpoor, Ehsan
14:15–14:30	Novel 2D organic molecular crystals upon their electronic structure and device performance	Liu, Xianjie
14:30–15:00	2D π-Conjugated Polymers and Covalent Organic Frameworks	Perepichka, Dima F.
15:30–16:00	**Coffee Break**	
16:00–17:30	**Spin&Magnetism 2** **Chairs: Sam L. Bayliss**	
16:00–16:15	Optically Addressable Spin States in Fully Organic Diradicals Probed by Spin Resonance Techniques	Panjwani, Naitik A.
16:15–16:30	Exploring the chiroptical properties of organic trityl radicals for molecular (opto)electronics	Crivillers, Núria
16:30–16:45	'*Spinning around you*' - Tailoring spin-spin interactions and chirality to make organic semiconductors for quantum applications	Chowdhury, Rituparno
16:45–17:00	Perdeuteration of OLED materials to probe magnetic-field effects	Braun, Felix
17:00–17:30	Printing chiral electronics for controlling charge and spin transport	Diao, Ying

17:30–19:30
Poster Session III
Terrace Foyer

Thursday, 27 June

Plenary Hall

Time	Title	Speaker
08:40–10:00	**Plenary IV** **Chairs: Magnus Berggren; Henning Sirringhaus**	
08:40–09:20	Recent progress in skin-inspired electronics	Bao, Zhenan
09:20–10:00	Molecular Carbons with Different Topologies: Synthesis, Electronic Properties and Open-Shell Singlet Diradical Ground States	Chi, Chunyan
10:00–10:30	**Coffee Break**	
10:30–12:30	**OLED 14 - Integration** **Chairs: Juozas V. Gražulevičius; Vinod Menon**	
10:30–11:00	OLEDs in various form factors and their applications to information display and healthcare	Yoo, Seunghyup
11:00–11:15	High-Density Integration of Micrometer-sized Ultrabright OLEDs on a Miniaturized Needle-Shaped CMOS Backplane	Hillebrandt, Sabina
11:15–11:30	OLED microdisplays - recent status and challenges	Lenk, Simone
11:30–11:45	OLED-illuminated holographic display	Gong, Junyi
11:45–12:00	Low permittivity dielectrics for flexible displays including high sensitivity on-cell touch	Hamburger, Manuel
12:00–12:30	Novel strategies in printable photon-upconversion, OLEDs and wearable electronics	Yang, Le
12:30–13:30	**Lunch Break**	
13:30–15:15	**OLED 15 - Microcavities 2** **Chairs: Seunghyup Yoo; Le Yang**	
13:30–14:00	Tuning the Electronic and Optical Properties of Small-Molecule Semiconductors by Processing and Polaritonics	Zaumseil, Jana
14:00–14:15	Suppressing excimer emission in TADF molecular dyes using strong light-matter coupling	Lakhwani, Girish
14:15–14:30	The Secret Lives of Laser Dyes: Triplet Dynamics in "Fluorescent" and TADF Coumarins	Danos, Andrew
14:30–14:45	Exciton density and cavity manipulation for efficient and operational stable organic light-emitting diodes	Li, Yungui
14:45–15:15	Overcoming angular dispersion in optical microcavities and filters by ultra-strong light-matter coupling with organic materials	Gather, Malte C.
15:30–16:00	**Coffee Break**	
16:00–17:30	**OLED 17 - Device physics 6** **Chairs: Brigitte Voit; Anton Kirch**	
16:00–16:15	Simulation-assisted experimental study of the efficiency roll-off due to triplet-polaron quenching in OLEDs	Tomita, Hiroki
16:15–16:30	Frequency-domain luminescence: a new way to study operating OLEDs	King, Liam George
16:30–16:45	Measuring singlet-triplet and triplet-triplet annihilation in TADF emitters to explore processes responsible for the efficiency roll-off in OLEDs	Ruseckas, Arvydas
16:45–17:00	Beyond mean-field Förster multiscale modelling of phosphorescent organic light-emitting diodes	van Hoesel, Clint
17:00–17:15	Efficient Triplet Harvesting in TSBPA:POT2T Interfacial Exciplex under Optical and Electrical Excitations	Weatherill, Lucy Annabel
17:15–17:30	High-throughput transient photoluminescence spectrometer for machine learning of thermally activated delayed fluorescence materials	Hosokai, Takuya

Hall 1

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**Novel approaches for organic solar cells and photodetectors** **Chairs: David Beljonne; Stefano Toffanin**	
10:30–11:00	Linking Nonradiative Voltage Loss to the CT State Manifold by Spatially Mapping Energy Landscape in Organic Solar Cells	Amassian, Aram
11:00–11:15	Probing the invisible charge transfer states for low-offset organic photovoltaics	Yan, Jun
11:15–11:30	Low-donor content approach for sensitive narrowband organic near-infrared photodetectors	Zhang, Tianyi
11:30–11:45	Efficient single component organic photovoltaics with bright intramolecular charge transfer states	Muller, Jolanda Simone
11:45–12:00	Strategies to Control Crystal Growth of Highly Ordered Rubrene for Application in Organic Photodetectors	Hofmann, Anna-Lena
12:00–12:30	Organic Solar Cells fabricated from Nanoparticle Dispersions	Colsmann, Alexander
12:30–13:30	**Lunch Break**	
13:30–15:15	**OLED 16 - Materials 6** **Chairs: Emrys Evans; Philipp Wellmann**	
13:30–13:45	Expanding Post-borylation Modifications of MR-TADF Emitters Allows Macrocyclic Covalent Encapsulation	Holdsworth, Erin Mei
13:45–14:00	Luminescent open-shell semiconductors with strong near-infrared absorption and emission via a zwitterionic singlet excited state	Yu, Craig P.
14:00–14:15	Anomalous deep-red luminescence of perylene black analogues with strong π-π interactions: a secret contest between LE and CT	Wang, Liangxuan
14:15–14:30	Synthesis and Application of Cyclic Secondary Amine Functionalized Perylene Diimide in Organic Printed Electronics	Park, Eunkyung
14:30–14:45	Aggregation-induced NIR emission in carborane-containing polymers	Anlés, Filip
14:45–15:15	Predicting the emission efficiency of phosphorescent emitters in OLEDs	Zhou, Xiuwen
15:30–16:00	**Coffee Break**	
16:00–17:45	**Applications** **Chairs: Epimitheas Georgitzikis; Jonas Jung**	
16:00–16:30	Process development for the deposition of functional materials for emerging technologies	von Hauff, Elizabeth
16:30–16:45	Ramping up OPV production processes – how to scale technology in the Horizon Europe project Flex2energy	Rooms, Harmen
16:45–17:00	Commercialization of Perovskite-Silicon Tandem Photovoltaics at Swift Solar	Santala, Annikki Lynne
17:00–17:15	Boosting Development and Market Reach: OESE's Strategic Networking for Organic Electronics Growth	Gronarz, Dominik
17:15–17:30	Novel UV sensors for quality control in industrial UV processes	Wellmann, Philipp
17:30–17:45	Organic Photovoltaics towards Terawatt?	Riede, Moritz

Hall 2

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**OPV 9** **Chairs: Ronald Österbacka; Moritz Riede**	
10:30–11:00	Unconventionally low donor content in efficient polymer solar cells and photocatalytic nanoparticles	Andersson, Mats R.
11:00–11:15	Non-fullerene based Organic Photovoltaic and Triboelectric Nanogenerator Hybrid Energy Harvester for All-day Operated Powering in Sensor System	Choi, Hyojeong
11:15–11:45	Molecular interactions, orientation, and miscibility in solution-processed films of organic semiconductors	Moons, Ellen
11:45–12:00	Synthesis of model OPV heterojunctions. Understanding the role of donor and acceptor positions at the interface	Bronstein, Hugo
12:00–12:30	Flexible organic photovoltaics having extreme thinness and light-weight properties: Challenges and potential applications	Fukuda, Kenjiro
12:30–13:30	**Lunch Break**	
13:30–15:30	**OPV 11: Organic Photodetectors III** **Chairs: Abahy A. Sagade; Martin P. Pfeiffer**	
13:30–14:00	Key Molecular Perspectives for High-Performance Single-Component Non-Fullerene Acceptor Organic Photodetectors	Kim, Ji-Seon
14:00–14:15	Thermally-evaporated organic semiconductors on Ga_2O_3 for hybrid organic–inorganic self-powered UV-C detectors	Mattei, Francesco
14:15–14:45	Smart-integrated Organic Optoelectronic Systems for Optical Sensing	Toffanin, Stefano
14:45–15:00	Ink Formulation Tools for Color-Selectivity and Polarization Sensitivity in Printed Organic Photodetectors	Hernandez-Sosa, Gerardo
15:00–15:30	Semitransparent near-infrared organic photodetectors for versatile advanced optical applications	Benduhn, Johannes
15:30–16:00	**Coffee Break**	
16:00–17:45	**OPV 12** **Chairs: Ji-Seon Kim; Donato Spoltore**	
16:00–16:30	Photophysics of Non-Fullerene Acceptor Organic Solar Cells	Laquai, Frédéric
16:30–16:45	Macrocyclic Encapsulation Strategy Assisted Fully Non-fused Tetrathiophene Acceptor	Song, Jinsheng
16:45–17:00	Guidelines for Material Design in Semitransparent Organic Solar Cells	Forberich, Karen
17:00–17:15	Surface-Energy-Mediated Interfacial Adhesion for Mechanically Robust Ultraflexible Organic Photovoltaics	Du, Baocai
17:15–17:45	Organic vacuum deposited triple junction solar modules: From the lab to large scale roll-to-roll manufactured products	Pfeiffer, Martin P.

Hall 3

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**OFETs - Applications** **Chairs: Björn Lüssem; Mihai Irimia-Vladu**	
10:30–10:45	Laboratory Characterization Automation of Organic Thin Film Transistors for High Throughput Research and Development	Dallaire, Nicholas
10:45–11:00	Floating-base OPBTs for multistate non-volatile memories	Bonil, Amric
11:00–11:15	Electrical sensing of molecular spin states in an organic field-effect transistor	Zhang, Yuteng
11:15–11:30	Controllable aggregation of conjugated polymers and their applications in monolayer integrated circuits	Li, Mengmeng
11:30–11:45	Stretchability Enhancement for Ultrathin and Broadband Imager	Matsuoka, Nozomi
11:45–12:00	Development of strained organic single-crystal transistors	Abe, Mizuki
12:00–12:30	Optically programmable organic transistor memories	Mannsfeld, Stefan C. B.
12:30–13:30	**Lunch Break**	
13:30–15:30	**Processing and Struct.-Prop. Relationships 4** **Chairs: Anna Köhler; Thomas Weitz**	
13:30–14:00	Charge and ion transport in crystalline organic semiconductors	Beljonne, David
14:00–14:15	Structure of 2,3,6,7,10,11-hexamethoxytriphenylene thin films on single-layer graphene and bare SiC-6H	Novak, Jiri
14:15–14:45	Role of the Chain Structure and Conformation of Conjugated Polymers on Aggregation Behavior	Pei, Jian
14:45–15:00	Effects of Processing-Induced Contamination on Organic Electronic Devices	Jacobs, Ian
15:00–15:30	Control of Crystal Structures of Molecular Semiconductors by Molecular Design	Takimiya, Kazuo
15:30–16:00	**Coffee Break**	
16:00–17:15	**Org. Cond&Superc 5** **Chairs: Hiroshi Yamamoto; Kilwon Cho**	
16:00–16:15	Perylene-based columnar liquid crystal exhibiting resistive switching for nonvolatile memory devices	Bechtold, Ivan Helmuth
16:15–16:30	Canted Antiferromagnetic Molecular Conductor showing Ambipolar FET Characteristics Based on Neutral Radical Gold Dithiolene Complex	Yokomori, So
16:30–16:45	Counterion layers’ polarity-induced doping in organic conductors	Akutsu, Hiroki
16:45–17:15	Electronic coherence and correlation in organic two-dimensional hole-gas systems	Takeya, Jun

Hall 4

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:15	**Processing and Struct.-Prop. Relationships 3** **Chairs: Kazuo Takimiya; David Beljonne**	
10:30–11:00	Electron transport in *monolayer* organic semiconductors: role of grain boundaries and interfaces	Weitz, Thomas
11:00–11:15	*In-situ* Spectroelectrochemistry of N-type Polymer Films for Flexible Electronics Applications	Sun, Xiuming
11:15–11:45	What drives molecular orientation in organic optoelectronics?	Bruetting, Wolfgang
11:45–12:15	Aggregate formation during solution processing	Köhler, Anna
12:30–13:30	**Lunch Break**	
13:30–15:30	**Sensors and Bio 8** **Chairs: Wei Huang; John de Mello**	
13:30–14:00	Biomimetic Designs for Semiconducting and Light-Emitting Polymers	Wang, Sihong
14:00–14:15	Humidity-induced protein-based artificial synaptic devices	Sadhukhan, Riya
14:15–14:30	A novel 3D transmembrane organic electrochemical transistor for bioelectronic applications	Acharya, Rachana
14:30–14:45	Flexible pressure sensors based on bio-degradable leaf scaffolds – An introduction to Leaftronics	Hänisch, Klara
14:45–15:00	Tamm Plasmons for the enhancement of the light-matter interaction	Rossini, Andrea
15:00–15:30	Ionic and electronic charge transport in organic electrochemical transistors	Banerji, Natalie
15:30–16:00	**Coffee Break**	
16:00–17:45	**Sensors and Bio 9** **Chairs: Ana C. Arias; Simone Fabiano**	
16:00–16:15	Ternary Logic Circuit and Neural Network Integration via Small Molecule based Antiambipolar Vertical Electrochemical Transistor	Huang, Wei
16:15–16:30	Stacked organic LEDs for bi-colour neuronal stimulation	Murawski, Caroline
16:30–16:45	AI driven piezoelectric sensors for biometrics and biosensors	Thuau, Damien
16:45–17:00	RFID tags based on thin polymeric films applied to the detection of fungal contamination	Fujikawa-Santos, Lucas
17:00–17:15	Design of Anisotropic Nanomaterials for Superior Sensing and Actuation in Soft Robotic Applications	Ha, Minjeong
17:15–17:45	New approaches to metal nanogap based sensors and devices	de Mello, John

Hall 5

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**OPV 10**	
10:30–11:00	Finding the Needle in the Haystack: Autonomous Strategies to Optimize emerging-Photovoltaic Technologies	Brabec, Christoph J.
11:00–11:15	Inkjet-Printable Titanium Dioxide Thin Films: An Efficient Electron Transport Layer for Solution-processed Solar Cells	Doddapaneni, Srikanth
11:15–11:30	Dependence of Exciton Binding Energy on Bandgap of Organic Semiconductors	Yoshida, Hiroyuki
11:30–11:45	Electrohydrodynamic Printing of Microscale Silver Electrode Patterns for (Opto)Electronics	Kia, Kai
11:45–12:00	Cyanoacrylated terthiophene bonded to ZnO (10-10) surface for dye-sensitized solar cells: theoretical study	Caldas, Marilia Junqueira
12:00–12:30	Limiting factors for charge generation in low-offset fullerene-based organic solar cells	Riede, Moritz
12:30–13:30	**Lunch Break**	
13:30–15:15	**Nanomaterials 3** **Chairs: Dima Perepichka; Paul Shaw**	
13:30–14:00	Functionalisation of Conjugated Polymers Post-polymerisation	Heeney, Martin
14:00–14:15	Diradicals in the Origin of Chemical Reactions	Medina Rivero, Samara
14:15–14:30	Studies on Energy Storage and Release via Molecular Switches on Surfaces	Park, Soyoung
14:30–14:45	Polymeric Multiferroic Thin-Films with Large Magnetoelectric Coupling at Room Temperature	Asadi, Kamal
14:45–15:15	Atomic/Molecular Scale Fabricatio	Liu, Yunqi
15:30–16:00	**Coffee Break**	
16:00–17:30	**Nanomaterials 4** **Chairs: Martin Heeney; Yunqi Liu**	
16:00–16:30	Perylene Diimide Based Fluorescent Sensors for Drug Detection	Shaw, Paul
16:30–16:45	Light-induced modulation of cellular physiology mediated by conjugated polymer-based nanosystems	Tullii, Gabriele
16:45–17:00	Biomass-Derived Emissive Carbon Dots for Sustainable Organic Optoelectronic Applications	Wang, Jia
17:00–17:15	Hydrophilic Polymers for Oil/Water Separations and Preventing Hospital Acquired Infections	Kaner, Richard B.
17:15–17:30	Scintillating hetero-ligand metal organic frameworks nanocrystals with engineered Stokes shift for photonics activated by ultrafast energy transfer	Monguzzi, Angelo

18:30- 22:00
Conference Dinner

Friday, 28 June

Plenary Hall

Time	Title	Speaker
08:40–10:00	**Plenary V** **Chairs: Chunyan Chi; Karl Leo**	
08:40–09:20	Infrared sensing and solar energy conversion using soft materials: The case of colloidal quantum dots and of perovskites	Sargent, Edward Hartley
09:20–10:00	Organic Solar Cell Exploration for 20% Efficiency and High Stability	Li, Gang
10:00–10:30	**Coffee Break**	
10:30–12:30	**OLED 18 - Novel luminescence 2** **Chairs: Sebastian Reineke; Xiuwen Zhou**	
10:30–11:00	Exciton and spin dynamics of luminescent molecular materials	Evans, Emrys
11:00–11:15	From UV to Blue: Making visible the location of nitrogen lone pair interaction via changes in photoluminescence	Etherington, Marc K.
11:15–11:45	Supramolecular Design of Organic/Polymeric Micro Photoemitters for Advanced Optical and Laser Applications	Yamamoto, Yohei
11:45–12:00	Host-guest doping systems towards organic room-temperature phosphorescence	Cai, Zhengxu
12:00–12:30	Organic Emitters Exhibiting Room-Temperature Phosphorescence for Sensing Applications	Grazulevicius, Juozas Vidas
12:30–13:00	**Conference Closing**	

Hall 1

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:15	**Synthesis and Struct./Property Relations** **Chairs: Stefan C. Mannsfeld; Karl Leo**	
10:30–11:00	Transient localization: exact results and new directions.	Fratini, Simone
11:00–11:15	Napthyl end-capped oligothiophene as a model compound for structural studies	Knaapila, Matti
11:15–11:30	Emergence of high electro-optic performance in a proton-π-electron coupled ferroelectric crystal	Sunami, Keishi
11:30–11:45	Industrially compostable programmable luminescent tags: With digital luminescence towards a minimalistic, sustainable information storage platform	Schellhammer, Sebastian
11:45–12:00	Cumulenic sp-Carbon Atom Wires as Solution Processable Semiconductors for Organic Electronics	Pecorario, Stefano
12:00–12:15	Solution-processed Highly-crystalline Large-area Organic Films for High-performance Organic Electronics	Ho, Dongil

Hall 2

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:15	**Org. Cond&Superc 6** **Chairs: Jun Takeya; Jinjia Xu**	
10:30–11:00	Chirality-based spintronic devices with molecular materials	Yamamoto, Hiroshi
11:00–11:15	Structural and vibrational properties of polarons in doped poly(3-alkyl-thiophene): a joint theoretical and experimental study.	Saporiti, Carlo
11:15–11:30	Single component conductors based on disymmetrical gold bis(dithiolene) complexes	Kharraz, Haia
11:30–11:45	Tuning Hydrogen-Bond Derived Supramolecular Assembly in Bifunctional α-Oligothiophenes	Thümmler, Ronja C.
11:45–12:00	From single- to multi-component conductors in Ni and Au bis(diselenolene) complexes with a thiazoline backbone	Lorcy, Dominique Marie
12:00–12:15	Chiral BTBT semiconductors: synthetic strategies and properties	Mastropasqua Talamo, Maurizio

Hall 3

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:30	**Sensors and Bio 10** **Chairs: Natalie Banerji; Sihong Wang**	
10:30–11:00	Environmental Sensing with Printed and Flexible Sensors	Arias, Ana Claudia
11:00–11:15	Underlying processes of electrochemical doping in conjugated polymers	Keene, Scott T.
11:15–11:45	Models of charge transport in polymeric mixed ionic and electronic conductors	Troisi, Alessandro
11:45–12:15	Novel doping strategies for organic semiconductors	Fabiano, Simone
12:15–12:30	Imperceptible on-skin electronics by in-situ bioelectronic fibre tethering	Ka, Stanley Gong Sheng

Hall 4

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–11:45	**Nanomaterials 5** **Chairs: Bernhard Siegmund; Swagat K. Mohapatra**	
10:30–10:45	Soluble Two-Dimensional Donor−Acceptor Aromatic Fused-Rings Covalent Organic Frameworks with Strong π-π Stacking Ability and Cathodic Electrochromism	Perepichka, Igor F.
10:45–11:00	Understanding heat transport in metal-organic hybrid systems	Zojer, Egbert
11:00–11:15	*N* -Heterocyclic Carbene as Robust and Conductive Linkages to Couple Gold Nanoparticles and Conductive Polymers	Sun, Ningwei
11:15–11:45	Adaptive Mixed Conducting Polymer Films for Organic Electronics and Soft Robotics	Ludwigs, Sabine

Hall 5

Time	Title	Speaker
10:00–10:30	**Coffee Break**	
10:30–12:15	**Batteries, Supercapacitors and Electrochromics** **Chairs: David Beljonne**	
10:30–11:00	Organic mixed ionic-electronic conductors for all-organic electrochemical energy storage devices	Nelson, Jenny
11:00–11:15	Sustainable stretchable organic battery based on plant-derived materials	Kim, Nara
11:15–11:30	Modeling mixed electronic and ion transport processes in bulk crosslinked triphenylamines	Herzhoff, Robert
11:30–11:45	Enhancing supercapacitor efficiency with cross-linked π-conjugated polymers derived from bis-thiophene-carbazole bisadducts.	Tran, Nguyen My Tu
11:45–12:00	Designing organic redoxomers for high concentrated non-aqueous redox flow batteries	Uddin, Mohammad Afsar
12:00–12:15	Probing the influence of counter ions in electrochemical performance	Parashar, Ranjeev Kumar