Day 1 - Tuesday 17th September 2024

	12:30 – 13:45	**Registration and Welcome cocktail**	
	13:45 – 14:00	**Welcome**	
Chair: Takehiko Mori	14:00 – 14:40	**Prof. Karl Leo** TU Dresden (Germany)	**Doping of organics: bulk vs. interfaces**
	14:40 – 15:00	**Olga Boltalina** Colorado State University (USA)	Serendipity and rational design of n-type organic semiconductors and p-dopants
	15:00 – 15:20	**Andreas Opitz** Humboldt-Universität zu Berlin (Germany)	Thin films of electron donor-acceptor complexes: characterisation of mixed-crystalline phases and implications for electrical doping
	15:20 – 15:40	**Egon Pavlica** University of Nova Gorica (Slovenia)	Charge carrier transport in vertical graphene/organic semiconductor/graphene junctions
	15:40 – 16:10	**Coffee break & Poster session**	Sponsored by ICMAB-CSIC
Chair: Begoña Milian	16:10 – 16:50	**Prof. Fabrizia Negri** University of Bologna (Italy)	**Decoding the mechanisms underlying optoelectronic properties of conjugated diradicals: insights from quantum-chemical modeling**
	16:50 – 17:10	**Rama Dhali** University of Mons (Belgium)	A tale of crystal structure and symmetry breaking of excited state of acceptor-donor-acceptor molecules: experimental and computational analysis
	17:10 – 17:30	**Petri Murto** University of Cambridge (United Kingdom)	Luminescent charge transfer states in trityl radical/host matrix blends
	17:30 – 17:50	**Reyes Calvo** Basque Center for Materials, Applications and Nanostructures (Spain)	Enhanced light emission from single-layer WSe_2 in perylene-doped polymer films through efficient energy transfer
	17:50 – 18:15	**Flash Talks (5 min. each)** 1. Development of new organic semi-conducting liquid crystal homologous derived from phenylanthracene for potential applications in optoelectronic devices. **Abir Moghnieh** 2. Push-pull chromophores with tunable acceptor strength for organic opto-electronics. **Dennis Grossmann** 3. Donor polymer-rich photoactive layer induces strong reduction of dark current in solution processed organic photoconversion devices. **Ying Sun** 4. Fast interface stability evaluation protocol using illumination gradients, absorption and photoluminescence measurements. **Albert Harillo** 5. Closed-space soft sublimation: an efficient and multipurpose method for the fast screening of organic and hybrid interfaces for organic electronic devices (OED). **Rossella Zaffino**	
	18:15 – 18:20	Sponsor flash presentation: KP Technology	

Day 2 - Wednesday 18th September 2024

Chair: Jerome Cornil	9:00 – 9:40	**Prof. Antoine Kahn** Princeton University (USA)	**Polarons energy levels in doped organic semiconductors: a reevaluation?**
	9:40 – 10:00	**Katherine Stewart** Imperial College London (United Kingdom)	Electron-phonon coupling in organic semiconductors and its impact on device electrical characteristics
	10:00 – 10:20	**Manuel Pérez-Escribano** Universitat de València (Spain)	A computational study into the impact of morphology, dynamic disorder and charge transport in hole-transporting materials
	10:20 – 10:40	**Johannes Gierschner** Madrid Institute for Advanced Studies (Spain)	Deciphering directionality and dimensionality of intra- and intermolecular charge transfer interactions at the organic-organic interface
	10:40 – 11:10	**Coffee break**	
Chair: Egon Pavlica	11:10 – 11:50	**Prof. Oana Jurchescu** Wake Forest University (USA)	**Probing interfacial and bulk traps in organic semiconductor devices**
	11:50 – 12:10	**Dipak Goswami** Indian Institute of Technology Kharagpur (India)	Diffusion-induced ingress of receptor molecules into semiconductor/dielectric interface for efficient OFET-based sensor fabrication
	12:10 – 12:30	**Martino Cambiaggio** Istituto Italiano di Tecnologia (Italy)	Fully printed flexible OFETs via ink-jet printing of electrodes and a high-mobility organic semiconducting blend
	12:30 – 12:50	**Tommaso Losi** Istituto Italiano di Tecnologia (Italy)	High-mobility, flexible and low voltage solution processed OFETs for high-speed electronics
	12:50 – 14:20	**Lunch**	
Chair: Andreas Terfort	14:20 – 15:00	**Prof. Ying Diao** University of Illinois Urbana-Champaign (USA)	**Printing chiral assemblies for controlling redox reaction during chemical doping**
	15:00 – 15:20	**Benoît Lessard** University of Ottawa (Canada)	Phthalocyanines, old dyes new tricks: from high performance n-type transistors to cannabinoid sensors
	15:20 – 15:40	**Mohammad Afsar Uddin** Inst. de Ciencia de Materiales de Madrid (Spain)	Benzothiadiazole based organic semiconductors (OSCs) and its polymorphism effects in organic electronics
	15:40 -15:55	**Flash Talks (5 min. each)** 1. Quantum transport and spectroscopy of two-dimensional perovskite/graphene interfaces. **Yan Sun** 2. Conductance boost of single-molecule devices at metal-molecule interface induced by supramolecular complexation. **Enrique Escorihuela López** 3. Charge-Transfer complexes: implementation in solution-processed organic field-effect transistors. **Elisabetta Giglio**	
	16:00 – 16:45	**Coffee break & Poster session**	Sponsored by GENAM-RSEQ
Chair: Olga Boltalina	16:45 – 17:25	**Prof. Gregor Witte** Philipps University Marburg (Germany)	**A hybrid systems of 2D materials and organic adlayers: interface properties and challenges in fabricating ordered films**
	17:25 – 17:45	**Daniel Tezze** CIC nanoGUNE (Spain)	Tailoring the properties of few-layers Van der Waals crystals through galvanostatic molecular intercalation
	17:45 – 18:05	**Tomasz Marszalek** Max Planck Institute for Polymer Research (Germany)	Odd-even alkyl chain effect on structure and charge carrier transport of two-dimensional Sn-based perovskite semiconductors
	18:05 – 18:20	**Flash Talks (5 min. each)** 1. Alignment in organic heterostructures through a combination of blade coating and chiral additive. **Giulia Pancotti** 2. Revealing interfacial effects by in-situ monitoring polymorphic transitions in organic thin films. **Shunya Yan** 3. New insights into the stability of the interface between PEDOT: PSS and metallic copper. **Alanood Aljaghwani**	
	18:20 – 18:30	**Sponsor flash presentations: Nextron Corporation & Riken Keiki**	

Day 3 - Thursday 19th September 2024

Chair: Núria Crivillers	9:00 – 9:40	**Prof. Christian Nijhuis** University of Twente (Holland)	**Molecular switches with changing switching probabilities for emulating synaptic behavior**
	9:40 – 10:00	**Rebecca Rodrigues de Miranda** Institut de Chimie de la Matière Condensée de Bordeaux (France)	Large area junctions of self assembled monolayers incorporating spin crossover molecules
	10:00 – 10:20	**Jarmila Vilčáková** Tomas Bata Univerzity in Zlíně (Czech Republic)	Carbazole derivatized n-alkyl methacrylate and dithienopyrrole polymeric memristors as flexible synaptic substitutes
	10:20 – 10:40	**Carlos Untiedt** Universidad de Alicante (Spain)	Electronic transport on helicene molecules and the role of organic solvents
	10:40 – 11:10	**Coffee break**	
Chair: Berta Gómez	11:10 – 11:50	**Prof. Pilar Cea** University of Zaragoza (Spain)	**Harnessing nanoarchitectonic tools for molecular electronics**
	11:50 – 12:10	**Shadi Fatayer** King Abdullah University of Science and Technology (Kingdom of Saudi Arabia)	Tuning organic device performance through on-surface synthesis of self-assembled monolayers
	12:10 – 12:30	**Eugenia Martínez-Ferrero** Institute of Chemical Research of Catalonia (Spain)	Molecular engineering of self-assembled molecules to enhance the performance of solar cells and light emitting diodes when applied as charge selective contacts
	12:30 – 12:50	**Andreas Terfort** University of Frankfurt (Germany)	Optimization of charge-carrier injection in organic electronics by dipolar self-assembled monolayers
	12:50 – 14:20	**Lunch**	
Chair: M. Carmen Ruiz	14:20 – 15:00	**Prof. Veaceslav Coropceanu** University of Arizona (USA)	**Interplay between excitonic, excimeric, and charge-transfer states on charge generation in organic solar cells**
	15:00 – 15:20	**Álex Farrando** Universidad de Alicante (Spain)	Latest advances on the improvement and applications of organic lasers with top-layer polymeric resonators
	15:20 – 15:40	**Colin Van Dyck** University of Mons (Belgium)	Emission rate of conjugated extended molecular emitter near plasmonic nanostructures beyond the point-dipole approximation
	15:40 -16:00	**Juan Carlos Sancho-García** Universidad de Alicante (Spain)	Tuning the optoelectronic properties of organic molecules with heteroatom doping: provoking the quasi-resonance or inversion of the lowest singlet and triplet excited states
	16:00 – 16:40	**Coffee break & Poster session**	
Chair: T. Marszalek	16:40 – 17:20	**Prof. Beatrice Fraboni** University of Bologna (Italy)	**Fully-organic flexible and large area detectors for real-time dose monitoring during radio/proton therapy**
	17:20 – 17:40	**Gabriel Gomila** Institut de Bioenginyeria de Catalunya (Spain)	Multiparametric nanocharacterization of electrolyte gated organic transistors in operando
	17:40 – 18:00	**Claudia Delgado Simão** Eurecat Centre Tecnològic (Spain)	Controlled poling of fully printed piezoelectric PVDF-TrFE device multifunctional platform with inkjet-printed silver electrodes

	19:30 – 20:30	**Social Activity**
	20:30	**Conference Dinner**

Day 4 - Friday 20th September 2024

Chair: J. Gierschner	9:00 – 9:40	**Prof. Ji-Seon Kim** Imperial College London (United Kingdom)	**Free charge generation in non-fullerene acceptors for efficient single-component organic photoconversion devices**
	9:40 – 10:00	**Jolanda Muller** Imperial College London (United Kingdom)	Efficient single component organic photovoltaics with bright intramolecular charge transfer states
	10:00 – 10:20	**Alessandro Minotto** University of Milano-Bicocca (Italy)	The effect of crystallinity on exciton dynamics in rubrene thin films grown via organic epitaxy
	10:20 – 10:40	**Ming Zhu** University of Oxford (United Kingdom)	Exploiting förster resonance energy transfer (FRET) in evaporated organic solar cells
	10:40 – 11:10	**Coffee break & Poster session**	
Chair: Rocío Ponce	11:10 – 11:50	**Prof. Mariano Campoy** Institut de Ciència de Materials de Barcelona (Spain)	**A highly stable and efficient doping system for organic semiconductors based on dopant complexes**
	11:50 – 12:10	**Takehiko Mori** Tokyo Institute of Technology (Japan)	BTBT (benzothienobenzothiophene): the variation of crystal structures and the thermoelectric properties
	12:10 – 12:30	**Shubhradip Guchait** Institute Charles Sadron CNRS (France)	Phase-selective doping of oriented regioregular poly(3-hexylthiophene-2,5-diyl) controls stability of thermoelectric properties
	12:30 – 12:50	**Suhao Wang** Université du Littoral Côte d'Opale (France)	Remarkable enhancement of thermoelectric properties of conjugated polymers by suppressing dopant-induced disorder
	12:50 – 13:40	**Conference Clousure & Snacks**	

POSTER LIST

1	**Metal-organic monolayer-Si junctions: organic thin layers for tunnel transport.** Diego Gutiérrez; Institut de Ciència de Materials de Barcelona, Spain.
2	**Optical probing of charge traps in organic semiconductors.** Dean Kos; Institut de Ciència de Materials de Barcelona, Spain.
3	**Organic and flexible X-ray detectors for medical dosimetry and diagnostic applications.** Carme Martínez-Domingo; Institut de Ciència de Materials de Barcelona, Spain.
4	**Two fused quinoidal oligothiophenes with high diradical character and air stability.** Alexandra Harbuzaru,; University of Málaga-Institut de Ciència de Materials de Barcelona, Spain.
5	**Enhancing charge transport in p-type organic semiconductors: the impact of post-annealing on the deposited Ph-BTBT-C10.** Min Zhang; Institut de Ciència de Materials de Barcelona, Spain.
6	**Charge-Transfer complexes: implementation in solution-processed organic field-effect transistors.** Elisabetta Giglio; Institut de Ciència de Materials de Barcelona, Spain.
7	**Contact resistance in nanoscale organic thin-film transistors.** Karla Cordero; Max Planck Institute for Solid State Research, Germany.
8	**Nanocalorimetry as a tool to study the dynamic of metastable polymorphs in organic semiconductor thin films.** Cristian Rodríguez-Tinoco; Universitat Autònoma de Barcelona, Spain.
9	**Revealing interfacial effects by in-situ monitoring polymorphic transitions in organic thin films.** Shunya Yan; Institut de Ciència de Materials de Barcelona, Spain.
10	**Organic phototransistors for near-infrared light detection.** Lluís Casabona-Cendra; Institut de Ciència de Materials de Barcelona, Spain.
11	**Thin films of amino acids on different substrates: a vacuum deposition study.** Adele Sassella; University of Milano-Bicocca, Italy.
12	**Tuning crystallinity in rubrene thin films via organic epitaxy.** Adele Sassella; University of Milano-Bicocca, Italy.
13	**N-alkylated triindole semiconductors via solution processing techniques for air stable organic field-effect transistors.** Clara Fabregat; University of Barcelona, Spain.
14	**Recent attempts of digital data management for the photoemission yield spectroscopy in air.** Yubin Liu; Riken Keiki Co., Ltd.
15	**Calculation of dark excited states in conjugated organic molecules.** Begoña Milián-Medina; University of Valencia, Spain.
16	**Using nanoarchitectonic methodologies to study the potential of curcuminoids for molecular electronics.** Alejandro Gómez-González; Universidad de Zaragoza, Spain.
17	**Analysis of monolayers of dipyridines and amines with potential use in thermoelectric devices.** Dayra L. Riaño; Universidad de Zaragoza, Spain.
18	**Development of new organic semiconducting liquid crystal homologous derived from phenylanthracene for potential applications in optoelectronic devices.** Abir Moghnieh; Université du Littoral Côte d'Opale, France.

POSTER LIST

19	**Closed-space soft sublimation: an efficient and multipurpose method for the fast screening of organic and hybrid interfaces for organic electronic devices (OED).** Rossella Zaffino; Institut de Ciència de Materials de Barcelona, Spain.
20	**Fast interface stability evaluation protocol using illumination gradients, absorption and photoluminescence measurements.** Albert Harillo-Baños; Institut de Ciència de Materials de Barcelona, Spain.
21	**Quantum transport and spectroscopy of two-dimensional perovskite/graphene Interfaces.** Yan Sun; Laboratoire de physique des solides-CNRS, France.
22	**Push-pull chromophores with tunable acceptor strength for organic opto-electronics.** Dennis Grossmann; University of Stuttgart, Germany.
23	**Donor polymer-rich photoactive layer induces strong reduction of dark current in solution processed organic photoconversion devices.** Ying Sun; Imperial College London, United Kingdom.
24	**Conductance boost of single-molecule devices at metal-molecule interface induced by supramolecular complexation.** Enrique Escorihuela; Universidad de Zaragoza, Spain.
25	**Alignment in organic heterostructures through a combination of blade coating and chiral additive.** Giulia Pancotti; Institut de Ciència de Materials de Barcelona, Spain.
26	**New insights into the stability of the interface between PEDOT: PSS and metallic copper.** Alanood Aljaghwani; University of Warwick, United Kingdom.
27	**Monitoring the structural transformation on thin films of an asymmetric benzothieno[3,2-b][1]-benzothiophene derivative.** Alba Cazorla; Institut de Ciència de Materials de Barcelona, Spain.
28	**Comparative study of binary and ternary blends with respect to stability.** Manan Mehta; Institut de Ciència de Materials de Barcelona, Spain.
29	**Co-crystal engineering of charge-transfer complex thin films.** Georgios Atsas; Institut de Ciència de Materials de Barcelona, Spain.
30	**Exploring thin films engineering techniques for organic electronics: fluorinated fullerenes and coronene.** Rodrigo Arilla; Institut de Ciència de Materials de Barcelona, Spain.
31	**Electrolyte gated organic field-effect transistors for point-of-care tests.** Maria Jesús Ortiz-Aguayo; Institut de Ciència de Materials de Barcelona, Spain.
32	**Electrical alignment of single-walled CNTs in polymer matrix toward high thermoelectric performances.** Ji Young Jo; Gwangju Institute of Science and Technology, South Korea.
33	**Self-powered glucose sensors based on fully-printed fuel cell device.** Guilherme Paixão da Costa; EURECAT Centre Tecnològic de Catalunya, Spain.
34	**Rhombene: distributed feedback lasers with emission beyond 830 nm.** Pablo Pasques; University of Alicante, Spain.
35	**Growth and investigation of distyrylbenzene derivative thin films: a step toward a representative case of donor-acceptor systems.** Alessandro Minotto; University of Milano-Bicocca, Italy.