



## Strasbourg-Japan USIAS symposium on Condensed Conjugation

12<sup>th</sup>-13<sup>th</sup> September 2022

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12<sup>th</sup> September: Amphi Henri Benoît, Institute Charles Sadron

**9:00 – 9:10: Welcoming participants**

**9:10 – 9:20: Amparo Ruiz-Carretero (Institute Charles Sadron) – Welcoming words**

**9:20 – 10:05: Shu Seki (Graduate School of Engineering, Kyoto University) – Electronic Properties of Conjugated Molecular Systems in Condensed Phases: Interplays of Interaction Fields and Charge/Spin Transport**

**10:05 – 10:30: Thomas Heiser (Laboratory of Engineering Science, Informatics and Imaging, ICube) - Self-powered switchable glazing based on nematic liquid crystals and organic photovoltaic layers**

**10:30 – 10:55: COFFEE BREAK**

**10:55 – 11:20: Takashi Kubo (Graduate School of Science, Osaka University) - 1D-chains of organic radicals and biradicals with close  $\pi$ - $\pi$  contact**

**11:20 – 11:55: Jean-François Nierengarten (European School of Chemistry, Polymers and Materials - ECPM) - Fullerene and pillar[5]arene scaffolding**

**11:55 – 12:15: Yoshitaka Tsuchido (Department of Chemistry, Faculty of Science, Tokyo University of Science) - Synthesis of Cycloparaphenylenes toward Condensed Conjugation via a Macrocyclic Gold(I) Complex**

**12:15 – 14:00: LUNCH BREAK**

**14:00 – 14:25: Martin Brinkmann (Institute Charles Sadron) – The key role of dopant location in the semi-crystalline structure of regioregular poly(3-hexylthiophene) on the thermoelectric properties of highly aligned and doped thin films**

**14:25 – 14:50: Tomoyuki Akutagawa (Tohoku University) - Ionic crystal lattice of semiconducting NDIs coupled with molecular sorption behavior**

**14:50 – 15:15: Jorge Valera (ISIS) – Modulating the hierarchical motifs of organization in self-assembling diazobenzene dyads: from 1D nanotubes to 2D nanosheets**

**15:15 – 15:40: COFFEE BREAK**

**15:40 – 16:05: Yusuke Ishigaki (Faculty of Science, Hokkaido University) - Redox-Active Strained Molecules with Controllable Structure and Physical Properties**

**16:05 – 16:30: Emilie Moulin (Institute Charles Sadron) – Triarylamine-based supramolecular polymers**

**16:35 – 17:30 – LAB TOUR**



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13<sup>th</sup> September: Salle de conferences, ISIS

**9:00 – 9:10: Welcoming participants**

**9:10 – 9:20: Shu Seki (Graduate School of Engineering, Kyoto University)** – *Brief introduction of the Condensed Conjugation Program*

**9:20 – 10:05: Thomas W. Ebbesen (ISIS, USIAS and CNRS)** – *Hybridizing light and matter - Consequences for chemical and material sciences*

**10:05 – 10:30: Ichiro Hisaki (Graduate School of Engineering Science, Osaka University)** - *Porous crystalline materials based on hexaazatriphenylene*

**10:30 – 10:55: COFFEE BREAK**

**10:55 – 11:20: Kyeong-Im Hong (Institute Charles Sadron)** – *Hydrogen-bonded supramolecular polymerization of chiral semiconductors*

**11:20 – 11:55: Ryohei Kishi (Graduate School of Engineering Science, Osaka University)** - *Quantum chemical study on electronic structures and properties of closely-stacked open-shell molecules*

**11:55 – 12:15: Henri-Pierre Jacquot (Institute of Chemistry of Strasbourg)** - *Family of bis-Acrinium Receptors: Supramolecular Self-Assemblies, MultiSwitching and Transport Properties*

**12:15 – 14:00: LUNCH BREAK**

**14:00 – 14:25: Eichi Kayahara (Institute for Chemical Research, Kyoto University)** - *Synthesis of curved cyclic  $\pi$ -conjugated molecules for condensed conjugation*

**14:25 – 14:50: Cyriaque Genet (ISIS)** – *Chirality in light-matter interactions*

**14:50 – 15:15: Hiromitsu Maeda (College of Life Sciences, Ritsumeikan University)** -  *$\pi$ -Electronic Ion Pairs: Ordered Arrangement and Radical-Pair Formation via Electron Transfer*

**15:15 – 15:40: COFFEE BREAK**

**15:40 – 16:05: Olivier Bardagot (Department of Chemistry, Biochemistry and Pharmaceutical Sciences, University of Bern)** – *Doping Mechanisms of Organic Mixed Ionic-Electronic Conductors: Spectral deconvolution, THz spectroscopy and Uniaxial Polymer Alignment*

**16:05 – 16:30: Suichi Suzuki (Graduate School of Engineering Science, Osaka University)** – *Design and Synthesis of Radical Cation Salts with Stimuli-Responsive Physical Properties*

**16:35 – 17:30 – LAB TOUR**