Strasbourg-Japan USIAS symposium on Condensed Conjugation

12th-13th September 2022

12th 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 (Laboratoire des science de l'ingenieur, de l'informatique et de l'imagerie, 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 π-π contact*

11:20 – 11:55: Jean-François Nierengarten (École européenne de chimie, polymères et matériaux - 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 (Institut de Science et d'Ingénierie Supramoléculaires) – *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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13th September: Salle de conferences, Institut de Science et d'Ingénierie Supramoléculaires

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 (Institut de Science et d'Ingénierie Supramoléculaires, 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: Cyriaque Genet (Institut de Science et d'Ingénierie Supramoléculaires) – *Chirality in light-matter interactions*

12:15 – 14:00: LUNCH BREAK

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

14:25 – 14:50: Jean Weiss (Institute Le Bel) - *Strapped prophyrins and supramolecular scaffolds*

14:50 – 15:15: Hiromitsu Maeda (College of Life Sciences, Ritsumeikan University) - *π-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