Monday 20\textsuperscript{th}, Nov.

Lecture Hall, Noyori Materials Science Laboratory, Higashiyama Campus, Nagoya University

8:50 – 9:20   Registration

9:20 – 9:30   Opening Remarks: Kunio Awaga

Chair: Hirofumi Yoshikawa (Kwansei Gakuin University)

9:30 – 10:00   Neil Robertson (University of Edinburgh)
“Lead-free organic-inorganic iodobismuthates for photovoltaics”

10:00 – 10:30  Andrey Zibarev (Institute of Organic Chemistry, Russian Academy of Sciences, and Department of Physics, National Research University - Novosibirsk State University)
“General potential of 1,2,5-chalcogenadiazoles and related compounds in organic materials science”

10:30 – 10:50  Zhongyue Zhang (Nagoya University)
“Structurally self-arranged metal organic framework (MOF) guest charge transfer complexes via a spontaneous crystal-to-crystal encapsulation of organic electron donor molecules”

10:50 – 11:10  Coffee break

Chair: Kazuyuki Sakamoto (Chiba University)

11:10 – 11:40  Sandrine Heutz (Imperial College London)
“Charge transport and spin coupling in molecular nanowires”

11:40 – 12:00  Nikolay Semenov (Institute of Organic Chemistry, Russian Academy of Sciences)
“1,2,5-Chalcogenadiazoles as effective electron acceptors: reduction into
Radical-anions vs. formation of charge transfer complexes"

12:00 – 12:20  **Keitaro Eguchi** (Nagoya University)
“Hysteresis generation in organic thin-film transistors by insertion of ionic liquid layers”

12:20 – 12:40  **Shin-ichiro Kawano** (Nagoya University)
“Self-assembly of metallomacrocycles”

12:40 – 14:10  Lunch

*Chair: John Derek Woollins (University of St Andrews)*

14:10 – 14:40  **Oleg Rakitin** (N. D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences)
“Fused chalcogen-nitrogen heterocycles for application in materials chemistry”

14:40 – 15:00  **Rie Suizu** (Chiba University)
“Exotic electronic properties of highly-correlated thiazyl radicals assemblies”

*Chair: Yukihiro Takahashi (Hokkaido University)*

15:00 – 15:20  **Daphne Lubert-Perque** (Imperial College London)
“Pentacene doped p-terphenyl thin films: optical- and spin-Properties of photoexcited states

15:20 – 15:40  **Soichiro Ogi** (Nagoya University)
“Seed-initiated supramolecular polymerization of organic semiconductors”

15:40 – 16:00  **Kazuya Kubo** (University of Hyogo)
“Development of new electrochromic materials based on unsymmetrical metal-dithiolene complexes”

16:00 – 17:10  **Poster Session** with coffee
*Presenters and titles are listed in the last two pages.

18:30  Banquet: Hilton Nagoya, 4th floor 'Chikuen'
Tuesday 21st Nov.
Hilton Nagoya, 28th floor 'ONE O Five'

Chair: Peter J Skabara (University of Strathclyde)

10:00 – 10:30  Chris Kay (The London Centre for Nanothechnology, University College London)
“Nanosecond time-resolved characterization of a pentacene-based room-temperature MASER”

10:30 – 10:50  Kiyonori Takahashi (Hokkaido University)
“Supramolecular cation structure and molecular flipping of (3-fluoroadamantaneammonium)(dibenzo[18]crown-6) in [Ni(dmit)₂] salt”

10:50 – 11:10  Elena Chulanova (Novosibirsk State University)
New charge-transfer complexes of some chalchogenadiazoles with TTF

11:00 – 11:30  Coffee Break

Chair: Sandrine Heutz (Imperial College London)

11:30 – 11:50  Georgiy V. Girichev (Ivanovo State University of Chemical Technology)
“Molecular structure and sublimation enthalpy of some metal complexes of porphyrins, phthalocyanine and 1,2,5-thiadiazoloporphyrazines by gas-phase electron diffraction, mass spectrometry and DFT calculations”

11:50 – 12:10  Helen Benjamin (University of Edinburgh)
“Materials for pressure-switchable semiconductors”

12:10 – 12:30  Asato Mizuno (Nagoya University)
“Crystal structure and physical properties of gold complexes with an asymmetrically substituted dithiolene ligand”

12:30 – 12:35  Group photograph of workshop participants

12:35 – 14:05  Lunch

Chair: Oleg Rakitin (N. D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences)

14:05 – 14:25  Oleksandr Kanibolotskyy (University of Strathclyde)
“Organic semiconductors for photonic applications”
14:25 – 14:55  **Kathryn Preuss** (University of Guelph)
“Crystal-to-crystal phase transitions with thiazyls”

*Chair: Takayoshi Nakamura* *(Hokkaido University)*

14:55 – 15:15  **Pavel A. Stuzhin** (Ivanovo State University of Chemical Technology)
“Boron(III) complexes of 1,2,5-thiadiazole fused (sub)phthalocyanine analogues”

15:15 – 15:45  **Peter J. Skabara** (University of Strathclyde)
“Novel materials for ternary organic solar cells”

15:45  Closing session

**Neil Robertson, Kathryn Preuss and Andrey Zibarev**
Poster session (Monday 20th Nov.)

P-1 Xin Zheng (Hokkaido University)
Multiple phase transitions in coordination polymer containing flexible building units

P-2 Jiao Chen (Hokkaido University)
Sandwich-type polyoxometalates containing carbonate-bridged Lanthanoid triangles coordinated by lacunary Keggin polyoxometalates.

P-3 Yuki Shirakawa (Hokkaido University)
One-dimensional columnar structure of dibenzo[24]crown-8 including pyridazinium or pyrazinium cations in [Ni(dmit)$_2$] salts

P-4 Naho Yoneyama (Hokkaido University)
Development of organic ionic ferroelectric crystals

P-5 Kenshiro Ishida (Hokkaido University)
Carrier injection to crystal surface of organic Mott insulator by contact of molecular crystal

P-6 Yuto Kawamura (Hokkaido University)
Development of ferroelectric organic ionic crystals using rotation of polar molecules

P-7 Tsubasa Kondoh (Hokkaido University)
Crystal and electron structure of the charge-transfer complex showing temperature induced neutral-ionic phase transition

P-8 Eri Tanaka (Hokkaido University)
Crystal structures of charge transfer complexes including TTF and Chloranil

P-9 Jun Nitta (Chiba University)
Photoelectron study of high-quality rubrene single crystal

P-10 Daichi Hanamoto (Chiba University)
Structure-Magnetic Properties Correlations in 1D dithiolene complexes having thiaadiazole rings

P-11 Nobuyuki Minagawa (Chiba University)
Direct observation of the electronic states of a DNTT single crystal
Yuki Suda (Chiba University)
Size-dependent electronic structure of gold nanoparticles

Yoshiaki Shuku (Nagoya University)
Molecule based honeycomb structures formed by radical anion species of triptycene trisquinone

Yang Wu (Nagoya University)
Covalent organic frameworks for electrochemical energy storage

Seiya Yokokura (Nagoya University)
Photoelectric cells utilizing an organic ferroelectric layer

Takaaki Makino (Nagoya University)
Synthesis of coil-coil donor acceptor copolymer

Daiki Tonouchi (Nagoya University)
Negative differential resistance in the Peierls insulating phases of TTF-TCNQ

Syohei Yamamoto (Nagoya University)
Synthesis of 10,10′-dioxo-10H,10′H-[9,9′-bianthracenylidene]-3,3′,6,6′-tetracarboxylic acid

Excursion
Nov. 22nd (Wed): One-day Bus Tour
8:30 Hilton Nagoya
Let's enjoy Japanese autumn at Hikone Castle & Sake Brewery tour/tasting together!
18:00 Hilton Nagoya