JSPS Core-to-Core/Leverhulme Trust Joint Workshop, Otaru 2014

"Organic Electronics of Highly-Correlated Molecular Systems"

24th– 25th October 2014, Grand Park Otaru, Hokkaido JAPAN

Friday 24th, Oct

9:30–9:40	Opening Remarks: Kunio Awaga					
Chairman: Sim	on Dalgleish					
9:40–10:20	Neil Robertson (University of Edinburgh)					
	"Diverse Metal Complexes for Electronics and Spintronics"					
10:20–10:50	Takayoshi Nakamura (Hokkaido University)					
	"Supramolecular Rotator Structures in Magnetic Crystals"					
10:50-11:10	Coffee Break					
11:10-11:30	Shin-ichiro Noro (Hokkaido University)					
	"Rational Design and Realization of Ubiquitous and Biocompatible					
	Metal-Based Porous Coordination Polymers"					
11:30–11:50	Nina P. Gritsan (Institute for Chemical Kinetics and Combustion, Russian					
11.50 11.50	Academy of Sciences)					
	"Molecular Magnets Based on Transition Metal Complexes: Quantum					
	Chemical Calculations and Modeling of Properties"					
11:50-13:20	Lunch					
Chairman: Pete	er J Skabara					
13:20–14:00	Dmitrii F. Perepichka (McGill University)					
	"π-Extended Anthracene Derivatives as Highly Emissive Organic					
	Semiconductors"					
14:00–14:30	Kazuyuki Sakamoto (Chiba University)					
14.00 14.30	"Electronic Structures of Organic Single Crystals"					
	Dietroffic Structures of Organic Single Crystals					
14:30–14:40	Yoshiaki Shuku (Nagoya University)					
	"Structures and Physical Properties of Electron Accepting 1,2,5-Thiadiazole					
	1,1-Dioxide Compounds"					
14:40–14:50	Yu Ohshima (Hokkaido University (Nakamura Lab.))					

"Structure and Physical Properties of (Fluoroadamantylammonium) (Dicyclohexano[18]crown-6) Supramolecular Cation in [Ni(dmit)₂] Crystal"

14:50–15:00 Zhang Zhongyue (Nagoya University)

"Metal Organic Frameworks with Multiple Redox Active Sites as Cathode Active Materials of Lithium Batteries"

15:00–15:10 Yassine Beldjoudi (University of Windsor)

""Disappearing Polymorph": the α-p-NCC₆F₄CNSSN Radical"

15:10–15:30 Coffee Break

Chairman: Hirofumi Yoshikawa

15:30–15:40 Elena A. Chulanova (Novosibirsk State University)

"Unified Approach to Synthesis of Chalcogen-Nitrogen Pi-Heterocyclic Radical Anions and Their Isolation in the Form of Homospin Salts of Cation [K(18-crown-6)]⁺"

15:40–15:50 Hsiang-Han Tseng (Imperial Collage London)

"Fabrication of Molecular Thin Films Based on Magnetic Charge-Transfer Salts"

15:50–16:00 Lorena Giancarlo Soriano (Hokkaido University (Inabe Lab.))

"Electronic Properties of Hybrid Organic-Inorganic Perovskites and Its Application to Solution Processable Devices"

16:00–16:10 Rie Suizu (Chiba University)

"Geometrical Frustration Induced by a Hidden Electron-Lattice Interaction in Organic Radical Crystals"

16:10–16:30 Michio M. Matsushita (Nagoya University)

"Enhanced Magnetic Field Effects on an Indoletrimer-Based Spin-Polarized Donor Due to Its Orbital Symmetries"

16:30–18:00 Poster Session* with coffee break

* Presenters and titles are printed in a final page

18:30– Banquet (Tamotsu Inabe)

Saturday 25th, Oct

Chairman: Ka	zuyuki Sakamoto				
9:30–10:10	Sandrine Heutz (Imperial College London)				
	"Applications of Molecular Materials in the Strong and Weak Spin Coupling Regimes"				
10:10–10:20	Nick Black (University of Edinburgh) "Transition Metal Complexes Utilising the Selenoquinoline Ligand for Electronic Applications"				
10:20–10:30	Paula Camacho (University of St. Andrews) "Using ⁷⁷ Se and ¹²⁵ Te Solid State NMR to Study Interactions and Properties in Novel Chalcogen-Containing Materials"				
10:30–10:50	Coffee Break				
10:50–11:30	Peter J Skabara (University of Strathclyde) "Synthesis and Application of Multi-Component Organic Semiconductors for Device Applications"				
11:30–11:50	Hiroyuki Hasegawa (Hokkaido University) "Organic-Inorganic Hybrid Metal-Halide Semiconductors"				
11:50–12:00	Members' photograph				
12:00–13:30	Lunch & Meeting				
Chairman: Ne	il Robertson				
13:30–14:10	Kathryn Preuss (University of Guelph) "Structures and Properties of N-Coordinated Thiazyl Radical Complexes"				
14:10–14:40	Kunio Awaga (Nagoya University) "Crystal Structures and Solid-State Properties of Thiazyl Radicals and Their Related Compounds"				
14:40–15:00	Alexander L Kanibolotsky (University of Strathclyde) "Incorporation of 2,1,3-Benzothiadiazole Unit into Quarterfluorene-Truxene Star-Shaped System"				

15:00–15:20 Simon Dalgleish (Nagoya University)

"Novel Architectures for Organic Photodetectors Operating in the Near Infrared"

15:20–15:40 Yoko Tatewaki (Tokyo University of Agriculture and Technology)
"Synthesis and Physical Properties of Nanostructures of Several
Tetrathiafulvalene Derivatives Having the Side Chains Composed of Chiral
and Hydrogen-Bonding Groups"

15:40–16:00 Coffee Break

Chairman: Derek Woollins

16:00–16:30 Tamotsu Inabe (Hokkaido University)

"Contact Doping: A New Method for Modifying Electronic Structure of Molecular Solids"

16:30–16:50 Lidia S. Konstantinova (Institute of Organic Chemistry, Russian Academy of Sciences)

"New Approaches to Fused 1,2,5-Selenadiazoles"

16:50–17:10 Oleg A Rakitin (Institute of Organic Chemistry, Russian Academy of Sciences)

"New Syntheses of Fused 1,2,5-Thiadiazoles - Neutral Precursors of Target Sulfur-Nitrogen p-Heterocyclic Radical Anions"

17:10–17:50 Andrey V. Zibarev (Institute of Organic Chemistry, Russian Academy of Sciences)

"General Approach to Synthesis of Heterospin Salts of Chalcogen-Nitrogen π -Heterocyclic Radical Anions with Paramagnetic Cations Containing Atoms of 3d-5d and 4f Elements"

17:50–18:00 Closing Remarks & Award Ceremony:

Derek Woollins & Takayoshi Nakamura

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Presenters	anu	uucs	ш	uic	I USICI	N	CSSIOII

- P01 Masashi Yoshitake (Hokkaido University (Nakamura Lab.))
 "Crystal Structure and Physical Properties of [MnCr(oxalate)₃] Complexes with Supramolecular Cations"
- P02 Jun Xiong (Hokkaido University (Nakamura Lab.))

 "Designing Ferroelectric Materials by Modulating Polyoxometallates and Supramolecular Cations"
- P03 Shota Nakagawa (Hokkaido University (Nakamura Lab.))
 "Substituent Effect on Molecular Motions in Supramolecular Crystals of
 (Anilinium Derivatives)(Dibenzo[18]crown-6)[Ni(dmit)₂]"
- P04 Akihiro Yamada (Hokkaido University (Nakamura Lab.))
 "Structure and Dielectric Properties of the Crystals Composed of Supramolecular Cations Having Multi Hydrogen Bonding Sites"
- P05 Chihiro Nanjo (Nagoya University)

 "Carrier Transport and Ratio-Dependent Electronic Structures in Organic Blend
 Thin-Films"
- P06 Masato Odaka (Nagoya University)
 "Organic Photocells Based on Electric Double Layers in Ionic Liquids"
- P07 Asato Mizuno (Nagoya University)

 "Crystal Structures of Intermolecular Compounds of Naphthalene Diimide-Based
 Triangular Molecule"
- P08 Keitaro Eguchi (Nagoya University)

 "Preparation and Electronic States of 1,3,5-Trithia-2,4,6-Triazapentalenyl Films on Substrates"
- P09 Matvey Gruzdev (Nagoya University)
 "Novel Carbazole-Based Dendrons Modulated by Tert-Butyl Moieties"
- P10 Hiroyuki Kubota (Hokkaido University (Inabe Lab.))
 "Contact Doping Effects on the Physical Properties of TCNQ Anion Radical Salt"
- P11 Seiya Yokokura (Hokkaido University (Inabe Lab.))
 "Output Characteristics of Organic Transistors around Their Structural Phase Transitions"
- P12 Tomohiro Mikasa (Hokkaido University (Inabe Lab.))

 "Highly Ordered Alignment of Conducting Nano-Crystallites on Organic Semiconductor Single Crystal Surfaces"
- P13 Jun Nitta (Chiba University)
 "Charge Transportation in Rubrene Single Crystal"
- P14 Rosinda Fuentes (University of Edinburgh)

"Synthesis and Characterisation of Novel Hole Transport Materials for Application in Solid-State Dye-Sensitised Solar Cells and Perovskite Solar Cells"

P15 Yassine Beldjoudi (University of Windsor)

"Preparation and Crystal Structures of the Isomeric Series 4-Tolyl-Phenyl-1,2,3,5-Dithiadiazolyl, $(o-\text{MeC}_6\text{H}_4-\text{C}_6\text{H}_4\text{CNSSN})_2$, $(m-\text{MeC}_6\text{H}_4-\text{C}_6\text{H}_4\text{CNSSN})_2$ and $(p-\text{MeC}_6\text{H}_4-\text{C}_6\text{H}_4\text{CNSSN})_2$ "