

Core-to-Core / Leverhulme Trust

**Third Joint Workshop on Organic Electronics of Highly-Correlated
Molecular Systems**

**N.D. Zelinsky Institute of Organic Chemistry, Russian Academy of
Sciences, 47 Leninsky Avenue, 119991 Moscow, Russia**

October 8-10, 2015

Scientific Program

October 8th

Conference Hall, 3rd floor

10.00-11.40	Morning Session 1	Chair: J. Derek Woollins
10.00-10.10	Kunio Awaga <i>Department of Chemistry, Nagoya University, Nagoya 464-8602, Japan</i>	Opening remarks
10.10-10.20	Mikhail P. Egorov <i>Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, 119991 Moscow, Russia</i>	Opening remarks
10.20-11.00	Kunio Awaga <i>Department of Chemistry, Nagoya University, Nagoya 464-8602, Japan</i>	Electron-transfer processes in highly-correlated electron systems of thiazyl radicals and related materials

11.00-11.20	Paula Sanz Camacho <i>EaStChem School of Chemistry, University of St. Andrews, St. Andrews, KY16 9ST, United Kingdom</i>	Studying interactions in chalcogen containing materials
11.20-11.40	Nikolay A. Semenov <i>Vorozhtsov Institute of Organic Chemistry, Siberian Branch, Russian Academy of Sciences, 630090 Novosibirsk, Russia</i>	Most recent progress with novel paramagnetics based on chalcogen- nitrogen π -heterocyclic radical-anion salts
11.40-12.00	Coffee break	
12.00-13.10	Morning Session 2	Chair: Hirofumi Yoshikawa
12.00-12.40	Elena G. Bagryanskaya <i>Vorozhtsov Institute of Organic Chemistry, Siberian Branch, Russian Academy of Sciences, 630090 Novosibirsk, Russia</i>	EPR of switchable copper-nitroxide based molecular magnets
12.40-12.50	Takaaki Makino <i>Department of Chemistry, Nagoya University, Nagoya 464-8602, Japan</i>	Preparation of ring polymers through nitroxide mediated polymerization with cyclic dialkoxamines
12.50-13.10	Denis Erokhin <i>ACS International Ltd., USA</i>	Why customers choose SciFinder year after year?
13.10-	Group Photo of the Workshop Participants	
13.30-15.00	Lunch break	

15.00-16.40	Afternoon Session 1	Chair: Elena G. Bagryanskaya
15.00-15.40	Pavel A. Stuzhin <i>Department of Organic Chemistry, Ivanovo State University of Chemical Technology, 153000 Ivanovo, Russia</i>	1,2,5- Chalcogenadiazolophorphyrazines: Synthesis and prospects in organic electronics
15.40-16.00	Yoshiaki Shuku <i>Department of Chemistry, Nagoya University, Nagoya 464-8602, Japan</i>	Crystal structures and physical properties of thiadiazole dioxide compounds and their reduced species
16.00-16.20	Ekaterina A. Knyazeva <i>Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, 119991 Moscow, Russia</i>	Organic D-A- π -A sensitizers based on [1,2,5]selenadiazolo[3,4- c]pyridine
16.20-16.40	Coffee break	
16.40-17.40	Afternoon Session 2	Chair: Takayoshi Nakamura
16.40-17.00	Hirofumi Yoshikawa <i>School of Science and Technology, Kwansei Gakuin University, Sanda 669-1595, Japan</i>	Nanohybridization with nanocarbon toward improvement of electrochemical performance
17.00-17.20	Evgenii A. Ignatenko <i>Institute of Technical Chemistry, Ural Branch, Russian Academy of Science, 614013 Perm, Russia</i>	Synthesis, electrochemical and optical investigation of tetrathiafulvalenes incorporating heterocyclic fragments

17.20-17.40 **Valentin V. Novikov**
*Nesmeyanov Institute of
Organoelement Compounds,
Russian Academy of Sciences,
119991 Moscow, Russia*

A trigonal prismatic mononuclear
cobalt(II) complex showing single-
molecule magnet behavior

17.40-

Meeting of Core Members

October 9th

Conference Hall, 3rd floor

10.00-11.40 Morning Session 1

Chair: Kazuyuki Sakamoto

10.00-10.40 Takayoshi Nakamura

Molecular and ionic motions in the solid state

Research Institute for Electronic Science, Hokkaido University, Sapporo 001-0020, Japan

10.40-11.20 Guoxiong Hua

Woollins' Reagent: A versatile selenation reagent for organic synthesis

EaStChem School of Chemistry, University of St. Andrews, St. Andrews, KY16 9ST, United Kingdom

11.20-11.40 Chihiro Nanjo

Carrier transport and ratio-dependent electronic structures of organic blend thin films

Department of Chemistry, Nagoya University, Nagoya 464-8602, Japan

11.40-12.00

Coffee break

12.00-13.40 Morning Session 2

Chair: Oleg A. Rakitin

12.00-12.20 Keitaro Eguchi

Magnetic properties of CoTTDPz films prepared on PTCDA-templated and non-templated substrates

Department of Chemistry, Nagoya University, Nagoya 464-8602, Japan

12.20-12.30 Daisuke Nishide

Structure and magnetic properties of sandwich-type lanthanide polyoxametalates

Research Institute for Electronic

*Science, Hokkaido University,
Sapporo 001-0020, Japan*

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| 12.30-12.50 | Kazuyuki Sakamoto

<i>Department of Nanoscience, Chiba University, Chiba 263-8522, Japan</i> | Electronic structure of organic thin films |
| 12.50-13.00 | Daiki Tonouchi

<i>Department of Chemistry, Nagoya University, Nagoya 464-8602, Japan</i> | Current-induced mutual conductivity change along orthogonal crystal axes in an ion-radical salt of cyclophane-type donor |
| 13.00-13.20 | Kazuya Kubo

<i>Research Institute for Electronic Science, Hokkaido University, Sapporo 001-0020, Japan</i> | Novel functional crystals of supramolecular cations and two-dimensional ferromagnetic metal-oxalate anion |
| 13.20-13.40 | Taisiya S. Sukhikh

<i>Nikolaev Institute of Inorganic Chemistry, Siberian Branch, Russian Academy of Sciences, 630090 Novosibirsk, Russia</i> | Transition d- and f-metal complexes with functionalized 2,1,3-benzothia/selenadiazole ligands for materials science |
| 13.40-15.00 | | Lunch break |
| 15.00-16.20 | Afternoon Session 1 | Chair: Kunio Awaga |
| 15.00-15.20 | Ekaterina A. Komissarova

<i>Natural Sciences Institute, Perm State University, 614990 Perm, Russia</i> | Preparation and investigation of the films prepared on the base of poly(phenylenevinylenes), including carbazole and pyrimidine moieties |
| 15.20-15.30 | Yu Oshima

<i>Research Institute for Electronic</i> | Molecular motion in the supramolecular crystals of (3-fluoroadamantylammonium)(18- |

	<i>Science, Hokkaido University, Sapporo 001-0020, Japan</i>	crown-6 derivatives)[Ni(dmit) ₂]
15.30-15.50	Asato Mizuno <i>Department of Chemistry, Nagoya University, Nagoya 464-8602, Japan</i>	Discovery of the K4 structure formed by a triangular π-radical anion
15.50-16.20	J. Derek Woollins	Concluding remarks
	Oleg A. Rakitin	Concluding remarks
	Kunio Awaga	Concluding remarks
16.20-16.40	Coffee break	

Conference closing