

Core-to-Core / Leverhulme Trust

5th Joint Workshop on Organic Electronics of Highly-Correlated Molecular Systems

**September 28-30
Novosibirsk, Russia**

PROGRAMM

**September 28
National Research University – Novosibirsk State University
1 Pirogova Str.
New Building, Auditorium 4316 (3rd Block, 4th Floor)**

9.00–11.00	Morning Session 1, Chair: Hirofumi Yoshikawa	
9.00–9.15	Oleg A. Rakitin Russian Academy of Sciences, Moscow, Russia	Opening remarks
	Andrey V. Zibarev Russian Academy of Sciences, Novosibirsk, Russia, and National Reserch University – Novosibirsk State University, Novosibirsk, Russia	
9.15–10.00	Kunio Awaga Nagoya University, Japan	Core-to-Core Project on organic electronics of highly-correlated molecular systems
10.00–11.00	Andrei V. Ivanov and Boris A. Trofimov Irkutsk Institute of Chemistry, Russian Academy of Sciences, Irkutsk, Russia	New materials for optoelectronics based on functionalized pyrroles
11.00–11.10	Coffee Break	

11.10–12.20	Morning Session 2, Chair: Lidia S. Konstantinova	
11.10–11.30	Hirofumi Yoshikawa Kwansei Gakuin University, Japan	Recent progress on molecular cluster and MOF batteries
11.30–11.50	Zhongyue Zhang Nagoya University, Japan	Metal-organic frameworks bring innovative mechanism to Li-ion batteries
11.50–12.10	Kazuya Kubo Hokkaido University, Japan	Molecular motions causing exotic dielectric phenomena in the solid state
12.10–12.25	Alexey A. Dmitriev National Research University – Novosibirsk State University, Novosibirsk, Russia	Theoretical study of the electronic structure and properties of lanthanide complexes with redox-active ligand, $[\text{LnCp}^*_2(\text{Me}_3\text{SiN}=\text{)}_2\text{S}]$ (Ln = Sm, Eu, Yb)
12.25–12.40	The Workshop Photo, National Research University – Novosibirsk State University	
12.40–15.00	Lunch Break	
15.00–16.50	Afternoon Session, Chair: Kunio Awaga	
15.00–15.40	Mark B. Bushuev Institute of Inorganic Chemistry, Russian Academy of Sciences, Novosibirsk, Russia	Iron(II) spin crossover complexes with pyrimidine-based ligands
15.40–15.55	Daisuke Nishide Hokkaido University, Japan	Trinuclear lanthanoid complexes sandwiched by lacunary-type polyoxometalates: Synthesis, structures and magnetic properties
15.55.–16.15	Ekaterina A. Knyazeva Institute of Organic Chemistry, Russian Academy of Sciences, Moscow, Russia	[1,2,5]Chalcogenadiazolo[3,4-c]pyridine-based organic dyes for dye sensitized solar cells: Synthesis, optical and electrochemical properties
16.15–16.30	Daiki Tonouchi Nagoya University, Japan	Current-induced mutual structure-conductivity change along orthogonal crystal axes in an ion-radical salt of cyclophane-type donor

16.30–16.50	Elena A. Chulanova National Research University – Novosibirsk State University, Novosibirsk, Russia	Novel 2,1,3-benzochalcogenadiazole-based charge-transfer complexes
16.50–17.00	Coffee Break	
17.00–18.00	Free Discussion <i>Organic Electronics: Where From, What Is / What Gives, Where Goes</i>, Moderator: Elena A. Chulanova	
19.00–	The Workshop Dinner Terrace, Golden Valley Hotel	

September 29
Novosibirsk Institute of Organic Chemistry
Siberian Branch, Russian Academy of Sciences
9 Lavrentiev Ave.
Main Building, Conference Hall (3rd Floor)

10.30–11.50	Morning Session, Chair: Andrei V. Ivanov	
10.30–11.00	Nikolay A. Semenov Institute of Organic Chemistry, Russian Academy of Sciences, Novosibirsk, Russia	Most recent progress with novel paramagnetics based on chalcogen-nitrogen π -heterocyclic radical-anions salts
11.00–11.20	Asato Mizuno Nagoya University, Japan	Crystal structures and physical properties of the 3D crystals formed by triangular π -radical-anions
11.20–11.35	Ekaterina A. Komissarova Institute of Technical Chemistry, Russian Academy of Sciences, Perm, Russia	Novel poly(p-arylenevinylene)s containing pyrimidine and carbazole moieties: Synthesis and investigation of optical and electrochemical properties
11.35–12.00	The Workshop Photo, Institute of Organic Chemistry, Russian Academy of Sciences, Novosibirsk	
12.00–14.00	Lunch Break	

14.00–16.00	Afternoon Session, Chair: Oleg A. Rakitin	
14.00–14.20	Lidia S. Konstantinova Institute of Organic Chemistry, Russian Academy of Sciences, Moscow, Russia	New chemistry of 1,2,3-dithiazoles
14.20–14.40	Yu Ohshima Hokkaido University, Japan	Supramolecular architectures based on trans-syn-trans-dicyclohexano[18]crown-6 and organic ammonium cations
14.40–14.55	Dmitry E. Gorbunov National Research University – Novosibirsk State University, Novosibirsk, Russia	Electronic structure and properties of new nitronyl and imino nitroxide diradicals and their Cu(II) complexes: DFT and ab initio stud.
14.55–15.10	Shohei Yamamoto Nagoya University, Japan	Modulation of the electronic and electrochemical properties of metal organic-frameworks with guest introduction
15.10–15.25	Takaaki Makino Nagoya University, Japan	Synthesis of cyclic polymer via ring expansion NMP and characterization by AFM
15.25–15.45	Vladimir V. Shelkovnikov Institute of Organic Chemistry, Russian Academy of Sciences, Novosibirsk, Russia	Electro-optic composition of 4-((4-(N,N-dibutylamino)phenyl)diazanyl)-biphenyl-2,3',4'-tricarbonitrile in matrix of poly(styrene-co-methyl methacrylate): Second-order nonlinear optical properties, applications in photonics and electronics
15.45–16.00	Oleg A. Rakitin Russian Academy of Sciences, Moscow, Russia	Closing remarks
	Andrey V. Zibarev Russian Academy of Sciences, Novosibirsk, Russia, and National Reserch University – Novosibirsk State University, Novosibirsk, Russia	
	Any other who want	

September 30
Golden Valley Hotel

Bus excursion through city of Novosibirsk and then delivery to Tolmachevo Airport from Novosibirsk downtown:
2.30 p.m.