

Pre-ICMM2016 in Nagoya

“New Research Crossroads in Molecular Conductors and Magnets”

Sept. 2-3, 2016, Nagoya University

Sept. 2 (Fri)

- 9:00 – 9:30 Registration
- 9:30 – 9:40 Opening remarks
- Chair: Toshihiko YOKOYAMA
- 9:40 – 10:10 **Joel S. MILLER** (University of Utah)
Organic-based magnets - new materials for this millennium
- 10:10 – 10:40 **Eva RENTSCHLER** (Johannes Gutenberg-Universität Mainz)
Anisotropic exchange interaction between a molecular spin and $\text{Fe}_3\text{O}_4(100)$
- 10:40 – 11:10 **Fernando PALACIO** (CSIC – University of Zaragoza)
Thermometry on silicon surfaces: towards an optically active molecular demultiplexer
- 11:10 – 11:30 Coffee break
- Chair: Ji-Young SHIN
- 11:30 – 12:00 **Toshihiko YOKOYAMA** (Institute for Molecular Science)
Novel synchrotron radiation methodology for materials science
- 12:00 – 12:30 **Eugenio CORONADO** (University of Valencia)
Magnetic switching in molecular nanomaterials
- 12:30 – 13:50 Lunch
- Chair: Supravat KARAK
- 13:50 – 14:20 **Yasuhiro OHKI** (Nagoya University)
Synthesis, structures, and reactivities of iron and cobalt hydride clusters supported by phosphines
- 14:20 – 14:40 **E. Carolina SAÑUDO** (University of Barcelona)
Single molecule magnets grafted onto superparamagnetic iron oxide nanoparticles
- 14:40 – 15:00 **Ji-Young SHIN** (Nagoya University)
A study on organic batteries using porphyrinoid electrodes

- 15:00 – 15:20 Coffee break
- Chair: Yasuhiro OHKI
- 15:20 – 15:40 **Katsuya ICHIHASHI** (Hiroshima University)
Electric properties of a carrier-doped molecular spin ladder,
 $\text{Li}_2([\text{18}]\text{crown-6})_3[\text{Ni}(\text{dmit})_2]_2 \cdot 4\text{H}_2\text{O}$
- 15:40 – 16:00 **Noriaki OZAKI** (Nagoya University)
Thermally- and electric-field-induced phase transition in
[10]cycloparaphenylene \supset iodine
- 16:00 – 16:20 **Supravat KARAK** (Nagoya University)
Perovskite based plug and play AC solar cell: a new horizon of
energy harvesting
- 16:20 – 16:30 Group photo
- 16:30 – 17:40 Poster session
- 18:00 – 19:30 Banquet (Hananoki)

Sept. 3 (Sat)

- Chair: Michio M. MATSUSHITA
- 9:00 – 9:30 **Michel VERDAGUER** (Universite Pierre et Marie Curie)
Cyanides and oxalates as sources of new molecular conductors
and magnets
- 9:30 – 10:00 **Daniel R. TALHAM** (University of Florida)
New behavior at small particle size in molecule-based magnetic
networks
- 10:00 – 10:30 **Mario RUBEN** (Karlsruher Institut für Technologie)
The quantum Einstein de Haas effect-giant magnetic hysteresis of
confined TbPc_2 SMMs
- 10:30 – 10:50 Coffee Break
- Chair: Zhongyue ZHANG
- 10:50 – 11:20 **Takayoshi NAKAMURA** (Hokkaido University)
Magnetic and dielectric properties of Mn-Cr oxalate complexes
with supramolecular cations

- 11:20 – 11:50 **Ren-Gen XIONG** (Southeast University)
Semiconductor-like molecular ferroelectrics
- 11:50 – 12:10 **Wan-Ying ZHANG** (Southeast University)
Bistability in molecular ferroelectrics
- 12:10 – 12:30 **Melanie PILKINGTON** (Brock University)
Synthetic approaches to tetrathiafulvalene building blocks for
molecular conductors and/or magnets
- 12:30 – 13:50 Lunch
- Chair: Takayoshi NAKAMURA
- 13:50 – 14:20 **Jeremy RAWSON** (University of Windsor)
Recent adventures in fluorescent and photo-switchable thiazyl
radicals
- 14:20 – 14:40 **Zhongyue ZHANG** (Nagoya University)
Redox active metal-organic framework brings new mechanism to
the lithium batteries
- 14:40 – 15:10 **Kazuo TAKIMIYA** (RIKEN)
Thienoacenes; molecules for organic semiconductors and beyond
- 15:10 – 15:20 Closing remarks
- 15:20 – 23:00 Excursion (Ukai in Gifu)

Poster presentations

P01	Da-Wei Fu (Southeast University)	Molecular-based ferroelectrics
P02	Yuan-Yuan Tang (Southeast University)	Study on molecular ferroelectrics using piezoresponse force microscopy
P03	Cheng Chen (Southeast University)	Rapid dielectric bistable switch materials
P04	Peng-Fei Li (Southeast University)	Anion-ordering enhances ferroelectricity in organic-crown system
P05	Yang Wu (Nagoya University)	Covalent organic framework-graft-polysulfide as cathode for high-performance lithium-sulfur batteries
P06	Chihiro Nanjo (Nagoya University)	Electric-double-layer field-effect transistors of porphyrazines
P07	Yoshiaki Shuku (Nagoya University)	Syntheses, crystal structures and physical properties of transition metal complexes with redox active 1,2,5-thiadiazole 1,1-dioxide ligands
P08	Asato Mizuno (Nagoya University)	Construction of 3D crystal structures formed by triangular π radical anions
P09	Daiki Tonouchi (Nagoya University)	Current-induced mutual conductivity change along orthogonal crystal axes in a TTF-based dimeric donor salt
P10	Shouhei Yamamoto (Nagoya University)	Modulation of the electronic and electrochemical properties of metal organic-frameworks with guest introduction
P11	Yuna Araki (Nagoya University)	Synthesis and properties of bio-inspired $[\text{Cp}^*\text{Mo}]_2\text{Fe}_2$ hydride clusters
P12	Yukihiro Yoshida (Meijo University)	Coronene cation radical salts bearing both in-plane molecular motion and electronic conductivity
P13	Terunobu Nakanishi (Nagoya University)	STM/STS studies on europium nanowires encapsulated in carbon nanotubes
P14	Seiya Yokokura (Hokkaido University)	Switching of transfer characteristics of organic field effect transistor by phase transitions
P15	Daichi Hanamoto (Chiba University)	Thermal induced magnetic transition in 1D Ni(III)-dithiolene complex
P16	Nozomi Mihara (Nagoya University)	Synthesis and catalytic activity of N- or O-bridged dinuclear iron complex of porphyrin/phthalocyanine heterodimer

