

Chemistry of the Multifunctional Molecular Materials

Date: January 20, 21, 2005

Place: Fukui Institute for Fundamental Chemistry, Kyoto University

(<http://www.fukui.kyoto-u.ac.jp/index-e.html>)



January 20th (Thursday)

- 13:30-14:00 **Koichi Komatsu** (Kyoto University)
Toward the Synthesis of Endohedral Fullerene Encapsulating Molecular Hydrogen, H₂@C₆₀
- 14:00-14:30 **Dmitri Konarev** (Russian Academy of Sciences, Kyoto University)
The Formation of Single-Bonded (Fullerene-) ₂ Dimers and (CoTPP*fullerene-) Anions in Ionic Complexes of C₆₀ and C₇₀
- 14:30-15:00 **Koichi Kusakabe** (Osaka University)
Computational Design of Molecular Magnets and Magnetic Nano-Carbon Structures
- 15:00-15:30 **Katsumi Tanigaki** (Tohoku University)
C₆₀ Fullerenes with Rare-Earth Metals
- ((Break))
- 16:00-16:30 **Salavat Khasanov** (Russian Academy of Sciences, Kyoto University)
Variety of Molecular Conducting Layers in the BEDT-TTF Salts with the Metal Mononitrosyl Complex Anion, [OsNOCl₅]²⁻
- 16:30-17:00 **Yoshihiro Iwasa** (Tohoku University)
A New Aspect of Carrier Doping in Molecular Materials
- 17:00-17:30 **Takehiko Mori** (Tokyo Institute of Technology)
Organic Field-effect Transistors Based on Tetrathiafulvalene Derivatives
- 17:30-18:00 **Hideki Yamochi** (Kyoto University)
Recent Progress on (EDO-TTF)₂PF₆

January 21th (Friday)

- 10:00-10:30 **Koichiro Tanaka** (Kyoto University)
Light-Controlled Spin-State in Spin-Crossover Complexes
- 10:30-11:00 **Toshiaki Enoki** (Tokyo Institute of Technology)
 π - d Interaction Effect on Low-Dimensional Electronic Instabilities in Organic Magnetic Conductors
- 11:00-11:30 **Yasushi Morita** (Osaka University)
A New Trend in Hydrogen-Bonded Charge-Transfer Complexes:
Electronic Modulation of Electron-Donor and-Acceptor Molecules
- 11:30-12:00 **Yohji Misaki** (Kyoto University)
Structures and Properties of Molecular Conductors Based on Methylthio Substituted TTP Donors
- ((Lunch break))
- 13:30-14:00 **Mitsuhiko Maesato** (Kyoto University)
Charge Ordering in κ -type BEDT-TTF Salts
- 14:00-14:30 **Toshihiro Takahashi** (Gakushuin University)
New Aspects of Metal-Insulator Transition in Molecular Conductors
- 14:30-15:00 **Hiroshi Kitagawa** (Kyushu University)
Spin-Charge-Lattice Coupling in Metal-Dimer System
- 15:00-15:30 **Lahcene Ouahab** (University of Rennes 1, France)
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