

# Confirmed Participants

## Tutorial

**Blundell, Stephen**

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**Boukheddaden, Kamel**

Equilibrium and Non-equilibrium Properties of the Spin-crossover Phenomenon from the Molecule to the Solid State: Basic Mechanisms

**Buron-Le Cointe, Marylise**

Structure and Dynamics of Photo-induced Transformations: From Photostationary to Ultrafast

**Cador, Olivier**

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**Kanoda, Kazushi**

Mott Physics of Correlated Electrons in Molecular Conductors

**Miller, Joel**

Molecule-based Magnets – A Tutorial Overview

**Stephens, Peter**

Role of Powder Diffraction in Molecule-based Materials

**Yamashita, Masahiro**

Perspectives on Multi-Functional Single-Molecule Quantum Magnets and Single-Chain Quantum Magnets----Toward Molecular Spintronics

## Oral

**Almeida, Manuel**

Conducting and Magnetic Two Chain Compounds; from 1D systems to Spin-ladders

**Awaga, Kunio**

Photo-induced Displacement Current in Organic Electronics

**Batista, Cristian**

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**Bendeif, Eleulmi**

Structural Properties of the Thermal and Photo induced Spin Transition in Irion(II) Complexes: from the Macroscopic to the Nanoscopic Scale

**Boillot, Marie-Laure**

Photoreactive Materials Based on Spin-Crossover Fe<sup>II</sup> Complexes: Properties of Nanocomposite Silica Thin Films

**Booth, Corwin**

Correlated Electron Effects in Lanthanide Organometallic Molecules

**Brown, Stuart**

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**Clerac, Rodolphe**

Single Chain Magnets – New Developments

**Costuas, Karine**

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**De Sousa, Mariano**

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**Drichko, Natalia**

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**Enoki, Toshiaki**

Graphene Edge is an Important Building Block for Molecule-based Magnetism

**Firestone, Millie**

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**Fishman, Randy**

Molecule-based Diruthenium Magnet with Interpenetrating Sublattices

**Goddard, Paul**

Molecular Magnets and Metals in High Magnetic Fields

**Guionneau, Philippe**

Structurally Driven Properties of Molecular Switches

**Haddon, Robert**

Magnetic Phase Transitions in Phenalenyl-Based Neutral Radical Conductors

**Halder, Greg**

Pressure-induced Switching in Magnetic Framework Materials

**Hill, Steve**

Single-Molecule Magnets

**Iwasa, Yoshi**

Physics of Electrochemical Interfaces

**Jena, Peru**

Super and Hyper Halogen Molecules as Building Blocks of Salts

**Kaneto, Keiichi**

Development of Extremely Air Stable n-type Organic Semiconductor for Thin Film Flexible Complementary-Field Effect Transistors

**Kato, Reizo**

Molecular Quantum Spin Liquid and Related Electronic States

**Koshihara, Shinya**

Search for the Photo-induced Hidden Phase in Strongly Correlated Systems

**Krstovska, Danica**

Magnetothermopower Quantum Oscillations in a Q2D Organic Conductor – a Theoretical Approach

**Kurmoo, Mohamedally**

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**Kuroki, Kazuhiko**

Origin of Magnetism and Large Thermopower in Tau-type Organic Conductors

**Lahti, Paul**

Development Strategies Taking Paramagnetic Organic Molecules to Molecular Materials

**Lefort, Ronan**

Fundamental Properties of Calamitic and Discotic Liquid Crystals based on Hybrid Nanomaterials

**Makiura, Rie**

Surface Molecular Architecture of Coordination Materials

**Malfant, Isabelle**

Molecular Switching in Photochromic Materials based on Ruthenium Nitrosyl Complexes

**Manson, Jamie**

Quantum Magnets Comprised of Strong Hydrogen Bonds

**Meisel, Mark**

Heterostructural Films and Nanoparticles of Prussian Blue Analogs: Interface Strain Yields New Opportunities

**Mori, Takehiko**

Requirements for Zero-gap States in Organic Charge-transfer Salts

**Musfeldt, Janice**

Spectroscopic Investigations of Materials under Extreme Conditions

**Nakhmanson, Serge**

Electroactive Properties of Ferroelectric Polyvinylidene Fluoride and Related Copolymer and Oligomer Compounds

**Navoa, Juan**

The First-Principles Bottom-Up Methodology: A General, Systematic, and Unbiased Form of Analyzing the Magnetic Interactions in Molecule-based Magnets

**Neville, Suzanne**

Spin Crossover Nano-materials: Thermal and Light-Induced Properties

**Nicolazzi, William**

New model for Simulation of Domain Spatio-temporal Propagation in Spin Crossover Solids: A Defect-mediated Phase Transition?

**Pointillart, Fabrice**

The Tetrathiafulvalene-amido-2-Pyridine-N-oxide Ligand as Efficient Organic Chromophore for the Sensitization of Yb(III) Luminescence: Experimental and Theoretical Studies

**Prassides, Kosmas**

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**Rabiller, Philippe**

Original Aspects of Phase Transitions in Molecular Aperiodic Composites

**Shatruk, Michael**

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**Suzumura, Yoshikazu**

Dirac Electron and Berry Curvature in Organic Conductors

**Tanatar, Makariy**

Non-magnetic Insulating Ground State of  $\kappa$ -(ET)<sub>2</sub>Cu[N(CN)<sub>2</sub>]I and Mott Transition Scheme for Two-dimensional Organic Superconductors

**Uji, Shinya**

Novel Phenomena in Molecular Conductors under High Magnetic Fields

**Van Ruitenbeek, Jan**

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**Wallis, John**

The Synthesis and Properties of Functionalized Organosulfur Donors

**Yonemitsu, Kenji**

Photoinduced Phase Transition Dynamics: Interplay between Correlated Electrons and Molecular Vibrations during Insulator-metal and Neutral-ionic Transitions

**Zaph, Vivien**

Magneto-electric Effects in Metal-organics

## Poster

### **Abdel Hamid, A.**

Molecular Self-association in H-bonded Liquid Mixtures in Bulk and Nanoconfined Geometry

### **Brinzari, Tatiana**

Magneto-elastic Coupling in Molecule-based Materials:  $[\text{Ru}_2(\text{O}_2\text{CMe})_4]_3[\text{Cr}(\text{CN})_6]$  and  $\text{Mn}[\text{N}(\text{CN})_2]_2$

### **Bolag, Altan**

Development of Novel Semiconductors for Dye-Sensitized Solar Cell Based on 2,6-Diphenyl-4H-pyran Derivatives

### **Choji, Takeshi**

Dirac Particle in Organic Conductor  $\alpha\text{-(BEDT-TTF)}_2\text{NH}_4\text{Hg}(\text{SCN})_4$  Salt

### **Furukawa, Tetsuya**

Magnetic and Transport Properties of  $\kappa\text{-ET}_2\text{X}$  near Mott Transition

### **Heguri, Satoshi**

Effect of Molecule inside Cage in Fullerene Superconductor

### **Hirata, Michihiro**

$^{13}\text{C}$  NMR Investigation on the Massless-Dirac-Fermion System in the Bulk Organic Conductor  $\alpha\text{-(BEDT-TTF)}_2\text{I}_3$  under Hydrostatic Pressures

### **Ishikawa, Tadahiko**

The Photoinduced Phase Transition in the Charge Separated Phase of the  $\text{Pd}(\text{dmit})_2$  Salts

### **Ito, Yoshikazu**

Magnetic Sponge Prepared with an Alkanedithiol-bridged Network of Co-Pd Alloy Nanoparticles

### **Kadoya, Tomofumi**

Organic Transistors Using Charge-transfer Complex Microparticles as Electrode Materials

### **Kawamoto, Tadashi**

Novel Crystal Structure of the Organic Superconductor with  $T_c$  of 10 K Class:  $(\text{BEDT-TTF})_2\text{Ag}(\text{CF}_3)_4(\text{TCE})$

### **Kodama, Kota**

Magnetic Field Effect on Charge Transport in  $\pi\text{-d}$  System  $(\text{EDT-TTFVO})_2\text{FeBr}_4$

### **Kojima, Hiroataka**

Theoretical Study on Angular Dependence of Organic Semiconductors with Herringbone Structures

**Kudo, Yasuhiko**

Electron Transport Properties of Anti-dot Graphene

**Kusamoto, Tetsuro**

Development of Ni(dmit)<sub>2</sub> Anion Radical Salts Structurally Controlled by Halogen Bonding

**Lee, Sangchul**

Development of the Novel Proton-Electron Related Organic Conductor

**Maesato, Mitsuhiko**

A Layered Fullerene Conductor

**Matsubara, Yoshitaka**

Photoinduced Phenomena in [(EDO-TTF)<sub>1-x</sub>(MeEDO-TTF)<sub>x</sub>]<sub>2</sub>PF<sub>6</sub> Studied by Time-resolved Vibrational Spectroscopy

**Mitoma, Nobuhiko**

Metal-contact Effect on Short Channel Graphene Field-effect Transistors

**Muraoka, Azusa**

2-D Model Mont-Carlo Simulation with Specific Edge Effects for Spin Crossover Nanoparticles

**Murphy, Jason**

London Penetration Depth of  $\lambda$ -(BETS)<sub>2</sub>BaCl<sub>4</sub> Superconductor

**Nagoe, Atsushi**

Glass-transition Behavior of the Dilute Aqueous Solutions Confined within Nano-pores: Effect of the Development of Hydrogen-bond Network

**Nishihara, Taishi**

Nonequilibrium Fluctuation of Photo-induced Phase under Steady Light Irradiation in the Spin Crossover Complex

**Nishioka, Keita**

Theory of Photoinduced Melting of Charge Separated Phase in Et<sub>2</sub>Me<sub>2</sub>Sb[Pd(dmit)<sub>2</sub>]<sub>2</sub>

**Ohshima, Yuki**

Direct Observation of Carrier Behavior in Ambipolar Polymer Light-emitting Transistor Using Second Harmonic Generation

**Oike, Hiroshi**

Contactless Conductivity Measurement on the Doped Triangular Lattice,  $\kappa$ -(ET)<sub>4</sub>Hg<sub>3- $\delta$</sub> X<sub>8</sub> (X = Br, Cl) under Pressure

**Oku, Shinya**

Air-stable Characteristics of Flexible Complementary Inverter Consisted of Distyrylbenzene Derivatives

**Onishi, Yoshito**

Domain Growth Dynamics under Infrared Irradiation in the Spin-crossover Complex [Fe(ptz)<sub>6</sub>](BF<sub>4</sub>)<sub>2</sub>

**Pandey, Shyam**

Dye Sensitized Thin Film Organic Solar Cells: An Approach toward Enhancing the Photon Harvesting

**Suda, Masayuki**

Strain-induced Insulator/Superconductor Transition in Thin Single Crystals of  $\kappa$ -(BEDT-TTF)<sub>2</sub>X Salts

**Taguchi, Dai**

Generation of Photovoltaic Effect Probed by Optical Electric-field-induced Second-harmonic Generation

**Takagi, Rina**

<sup>1</sup>H-NMR Study of Single-component Molecular Conductors [M(tmdt)<sub>2</sub>] (M = Au, Cu)

**Takehara, Ryosuke**

Transport Properties of the Neutral-ionic Transition Material, TTF-CA, under High Pressure

**Takahashi, Yuuta**

Effect of End Group Position on Conductance of Single Distributed Benzene Molecule Bridging between Au Electrodes

**Tanaka, Yasuhiro**

Theory of Nonlinear Conduction in Charge-Ordered Electron Systems on a Triangular Lattice

**Tanimoto, Mizuka**

Preparation of Hexagonal Boron Nitride/Polyimide Hybrid Films Exhibiting High Thermal Conductivity

**Terletska, Hanna**

Quantum Critical Transport near the Mott Metal-insulator Transition

**Tominaga, Kazuo**

New Design of Polypyrrole for Conducting Polymer Actuator

**Tsuchiya, Satoshi**

Fluctuating Superconductivity under In-plane Magnetic Field in Two-dimensional Organic Superconductors

**Tsujimoto, Keijiro**

Development of Photo-induced Conductors using TTF Derivatives using TTF-derivatives Substituted by a BODIPY Framework

**Yokota, Kazumichi**

Charge Transfer to Graphene from Substrate Functionalized by Self-assembled Monolayers

**Yomogida, Yohei**

Ambipolar Electric Double Layer Transistors Using Organic Single Crystals

**Yoshida, Tatsushi**

Photoinduced Neutral-to-Ionic Transition of TTF-CA as Investigated by Picosecond Photon Spectroscopy

**Zheng, Li-Min**

Size-dependent Coercivity in a Layered Cobalt Phosphonate with Ferrimagnetism