

POSTER SESSIONS

5:30 to 7:30 pm

POSTER SESSION 1, MONDAY, SEPTEMBER 12, 2005

Magnetic Resonances/Biology & Chemistry
Organic Thin Films and Devices
Molecular Materials and Crystal Engineering
Synthesis of New Molecules

POSTER SESSION 2, TUESDAY, SEPTEMBER 13, 2005

Magnetic Field-Induced Phenomena
Theory, Modeling, and Computation
Physics of Low Dimensional Metals and
Superconductors
Other Aspects

POSTER SESSION 3, THURSDAY, SEPTEMBER 15, 2005

Molecular Magnetism
Phase Transitions and Charge Ordering
REU/RET Student Poster Session

POSTER SESSION 1, MONDAY, SEPTEMBER 12, 2005

Magnetic Resonances/Biology & Chemistry

Electronic States of natural and metal-ion doped DNA's

Kenji Mizoguchi, Tokyo Metropolitan University Department of Physics Tokyo

Organic Thin Films and Devices

Synthesis and clay intercalation of an aluminium/prussian blue cationic complex

Enrico Maccallini, University of Groningen, Physics, Groningen, Netherlands

Infrared Spectroscopic Studies on the LB Films based on Dialkyldimethylammonium-Au(dmit)₂ Salts

Yasuhiro Miura, Tooin University of Yokohama, Department of Functional Chemistry, Yokohama, Japan

Photochemical Control of Dark Conductivity - A New Approach to Devices Based on Molecular Crystals

Toshio Naito, Hokkaido University Creative Research Initiative "Sousei" (CRIS) Sapporo

Functionalized pentacene field-effect transistor and its logic gate application

Jin Gyu Park, National High Magnetic Field Laboratory, Tallahassee FL

High Performance Organic FET Based on π -Extended TTF Derivatives

Na Risu, Tokyo Institute of Technology, Department of Electronic Chemistry, Yokohama, Japan

Nonlinear optical property of carbon nanotubes and its application as saturable absorbing device for optical fiber communication

Madoka Tokumoto, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan

Thin films of molecular materials grown on silicon substrates by chemical vapor deposition and electrodeposition

Lydie Valade, CNRS Laboratoire de Chimie de Coordination, Toulouse, France

Molecular Materials and Crystal Engineering

Intermolecular Proton Transfer in Solid Phase: An Example of Crystal to Crystal Transformation in a Molecule-Based Magnet

Donatella Armentano, University of Calabria, Department of Chemistry, Rende Italy

TETRATHIAFULVALENE (TTF)-BASED TRANSITION METAL COORDINATION COMPLEXES

Silvio Decurtins, Universität Bern, Departement für Chemie und Biochemie, Bern, Switzerland

Monoclinic polymorphs of the Bechgaard-Fabre salts

Jordi Fraxedas, ICMAB-CSIC, Campus de la UAB, Bellaterra, Spain

Magnetic Molecular Conductors Based on Ethylenedioxy-substituted Tetrathiafulvalenothioquinone(-quinone)-1,3-dithiolemethides

Hideki Fujiwara, Osaka Prefecture University, Graduate School of Science, Osaka, Japan

Growth of high quality $(Per)_2M(mnt)_2$ single crystals $M=Au, Pt, Pd, Ni, Cu, Fe, Co$

Rui T. Henriques, Instituto de Telecomunicações, LISBOA, Portugal

Nitrogen-Introduced Organic Conductors, $CnDTP-TTF$, $C2TP-TTP$, and Related Materials

Shinya Kimura, The Institute for Solid State Physics, The Univ. of Tokyo, Kashiwa, Japan

Ultra High Pressure Application to Organic Conductors

Ryusuke Kondo, University of Tokyo, Department of Basic Science, Tokyo, Japan

Two electrically different molecular conductors based on unsymmetrical Au(III)-dithiolene complexes with similar crystal structures

Kazuya Kubo, RIKEN, JST-CREST, Wako, Japan

A Molecular Charge Transfer Salt Containing Layers of Alkali Metal Ions

Lee Martin, Davy Faraday Research Laboratory Royal Institution of Great Britain, London, Great Britain

Structures and Properties of $CHTM-TTP$ Type Conductors with MCl_4 ($M=Ga, Fe$) Anions

Yohji Misaki, Ehime University, Applied Chemistry, Matsuyama Japan

Hydrogen-Bonded Structures of 2-Methyl-5-phenyl-7,9-dichloro-1,6-diazaphenalene in Neutral State and TCNQ Salt

Tsuyoshi Murata, Graduate School of Science, Osaka University, Department of Chemistry, Osaka, Japan

Coexistence of quasi-one- and -two-dimensional electronic structures in $(EDO-TTF)_2X$ ($X = GaCl_4, ReO_4$)

Akira Ota, Tokyo Institute of Technology, Graduate School of Science and Engineering, Tokyo, Japan

Ferro- and antiferromagnetic coupling in copper(II) carboxylate-bridged two-dimensional networks

Joaquin Sanchiz, Universidad de La Laguna, Química Inorgánica, Facultad de Farmacia, La Laguna, SPAIN

Rigid, Microporous 3D Molecular Frameworks Derived from 3-Amino-1,2,4-Triazole

John A. Schlueter, Argonne National Laboratory, Materials Science Division, Argonne, USA

Magnetic Ion Salts Using Selenium Analogues of a New Donor Molecule, Benzoetetrathiafulvalenothioquinone-1,3-dithiolemethide

Toyonari Sugimoto, Osaka Prefecture University, Graduate School of Science, Osaka, Japan

The Coupling between Magnetic and Conducting Properties in a Spin-Crossover Molecular Semiconductor

Kazuyuki Takahashi, Institute for Molecular Science, Department of Molecular Assemblies, Okazaki, Japan

Crystal Growth of 50mg-class single crystals of β' -(BEDT-TTF)₂ICl₂ and crystal evaluation of them

Hiromi Taniguchi, Saitama University, Saitama, Japan

Highly Humidified Fabrication Method for Dithiolene Oxovanadium Complexes Molecular Rings

Kazumasa Ueda, Shizuoka University, Faculty of Engineering, Hamamatsu, Japan

(BETS)₂[RuX₅NO] (X = Cl, Br): an explanation of different conductive properties through structural and spectroscopic studies

Lydie Valade, CNRS Laboratoire de Chimie de Coordination, Toulouse, France

Synthesis of New Molecules

Development of the first methyl antimony bridged tetrachalcogenafulvalene systems

Minoru Ashizawa, RIKEN Condensed Molecular Materials Laboratory, Wako, Japan

Dithiine-maleimide functionalized ET derivatives. Synthesis and characterization of new building blocks for hydrogen bonded CT compounds, transition metal complexes or TTF-porphyrins or -phthalocyanines

Stefan Dolder, Universität Bern, Departement für Chemie und Biochemie, Bern, Switzerland

Development of Metallic Crystals Composed of Single-Component Molecules

Biao Zhou, The University of Tokyo Research Centre for Spectrochemistry, Tokyo, Japan

TETRATHIAFULVALENE (TTF)-BASED TRANSITION METAL COORDINATION COMPLEXES

Shi-Xia Liu, Department of Chemistry and Biochemistry, University of Berne, Berne, Switzerland.

New Open-Shell Donor-Acceptor Systems: Intramolecular Electron Transfer of TTF-6-Oxophenalenoxyl Neutral Radical Dyads

Shinsuke Nishida, Graduate School of Science, Osaka City University, Chemistry, Osaka, Japan

Some Tetrathiafulvalenes and Metal 1,2 dichalcogenolenes, Precursors of conducting Salts

George C. Papavassiliou, National Hellenic Research Foundation, Theoretical and Physical Chemistry Institute, Athens, Greece

POSTER SESSION 2, TUESDAY, SEPTEMBER 13, 2005

Magnetic Field-Induced Phenomena

Superconductivity, Spin Density Wave and Field-Induced-Spin-Density-Wave phases versus anion gap in the (TMTSF)₂ClO₄ salt

Sonia Haddad, Laboratoire de Physique de la Matière Condensée, Département de Physique, Universitaire Tunis, Tunisia

Transport Properties of Organic Conductors in Magnetic Field

Hirono Kaneyasu, University of Hyogo, Department of Material Science, Hyogo, Japan

Evidence for the pi-d Interaction Comparing the Magnetoresistance in (EDT-DSDTFVO)₂X, X=FeCl₄, GaCl₄

Lin Li, Grad. Sch. of Science, Osaka City Univ., Osaka, Japan

Role of the dimerized gap due to anion ordering in the quantized Hall phases of quasi-one dimensional organic conductors

Noriaki Matsunaga, Hokkaido University, Division of Physics, Sapporo, Japan

Physical properties of pi-d interaction-based molecular conducting magnet (EDO-TTFBr₂)₂FeCl₄ under pressure

Akira Miyazaki, Tokyo Institute of Technology, Department of Chemistry, Tokyo, Japan

Understanding the totally symmetric intramolecular vibrations in κ-phase organic superconductors

Janice L. Musfeldt, University of Tennessee, Department of Chemistry, Knoxville, TN, USA

Investigation of field induced spin density waves in $(\text{TMTSF})_2\text{ReO}_4$ by Shubnikov – de Haas – measurements

Axel Nothardt, Universität Stuttgart, Physikalisches Institut, Remseck, Germany

Field Induced Anomaly in the Magnetoresistance of $(\text{EDO-TTFVO})_2\text{FeCl}_4$ below 1.5 K

Masayasu Teramura, Grad. Sch. of Science, Osaka City Univ., Osaka, Japan

Angular magnetoresistance oscillations in Q1D, Q2D, and bilayers as the Aharonov-Bohm interference between the real-space orbits

Victor M. Yakovenko, University of Maryland, Department of Physics, College Park, Maryland, USA

Theory, Modeling, and Computation

Can superconductivity phenomenon be more exotic than unconventional superconductivity?

Andrei G. Lebed, University of Arizona, Department of Physics, Tucson Arizona USA

Conformational changes in BEDT-TTF

Ben Powell, University of Queensland, Department of Physics, University of Queensland, Brisbane, Queensland

Photoinduced Neutral-Ionic Transition Dynamics in Quasi-One-Dimensional Extended Peierls-Hubbard Models

Kenji Yonemitsu, Institute for Molecular Science, Okazaki, Japan

Theoretical study on Knight shift and nuclear spin relaxation rate in the charge-ordering state of the 1D quarter-filled electron system

Hideo Yoshioka, Nara Women's University, Department of Physics, Nara, Japan

Physics of Low Dimensional Metals and Superconductors

Induced defects and the correlated state in the organic superconductor $\kappa\text{-ET}_2\text{Cu}(\text{NCS})_2$

James G. Analytis, Oxford University Department of Physics, Parks Road, Oxford, UK

Angle-dependent magnetotransport studies on $\kappa\text{-(BEDT-TTF)}_2\text{Cu}(\text{NCS})_2$ under high hydrostatic pressures.

Alimamy F. Bangura, University of Oxford, Dept of Physics, Clarendon Laboratory, Parks Road, Oxford, United Kingdom

New Results for Superconductivity in $\kappa\text{-(BEDT-TTF)}_2\text{Cu}(\text{NCS})_2$ when an applied magnetic field is aligned parallel to the conducting planes

Kyuil Cho, Clark University, Physics, Worcester, MA

Thermoelectric power and Nernst effect studies in the metallic and field-induced spin density wave states in $(\text{TMTSF})_2\text{ClO}_4$

Eun-Sang Choi, NHMFL, Florida State Univ., Tallahassee, FL, USA.

Probing electronic states and structure of $\kappa\text{-(ET)}_2\text{Cu}_2(\text{CN})_3$ and $\kappa\text{-(ET)}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$ with Raman spectroscopy

Olga Drozdova, IMS, Okazaki, Japan

Magnetic susceptibility in normal states of quasi-one-dimensional superconductors

Yuki Fuseya, Nagoya University, Physics, Nagoya City, Japan

Anisotropy of the Upper Critical Field in Q1D Triplet Superconductor $(\text{TMTSF})_2\text{ClO}_4$

Heonick Ha, Harvard University, Physics, Cambridge, MA, USA

An Interlayer Magnetoresistance Peak Effect below Superconducting Transition Temperature in $\text{Et}_2\text{Me}_2\text{P}[\text{Pd}(\text{dmit})_2]_2$

Yauyuki Ishii, RIKEN, Condensed Molecular Materials Lab, Wako, Japan

Anomalous sign change in Hall coefficient of $\kappa\text{-(BEDT-TTF)}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ under pressure

Kazuhiro Katayama, Saitama University, Graduate School of Science & Engineering, Saitama, Japan

Incoherent-Coherent Crossover Behaviour of Electron on $\kappa\text{-(BEDT-TTF)}_2\text{X}$ System, probed by ^{13}C -NMR and Optical Studies

Astushi Kawamoto, Hokkaido Univ. Physics, Sapporo, Hokkaido, Japan

Detailed Fermi Surface Topology of the Quasi-One-Dimensional Conductor $(\text{DMET})_2\text{I}_3$

Motoi Kimata, The Graduate School of Science and Technology, Kobe University, Physics, Kobe, Japan

Anomalous Magnetic-Field-Hysteresis of Quantum Oscillations in $\kappa\text{-(BETS)}_2\text{FeBr}_4$

Takako Konoike, National Institute for Materials Science, Tsukuba, Japan

Influence of uniaxial pressure on the pressure-temperature phase diagram of TMTSF compounds

Younjung Jo, Ewha Womans University, Physics Dept. Seoul, Korea

Superconducting and charge ordering phases of two-dimensional organic conductors

Ryusuke Kondo, University of Tokyo, Tokyo, Japan

Structural and electronic properties of core-shell nanowires. Linear quantum-size effect.

Ryza N. Musin, Clark Atlanta University, Department of Physics and Center for Theoretical Studies of Physical Systems, Atlanta Georgia

Investigation of Quantum-Oscillations in θ - and θ_T -(BEDT-TTF) $_2$ I $_3$

Axel Nothardt, Universität Stuttgart, Physikalisches Institut, Remseck, Germany

Charge Ordering State on (BEDT-TTF) $_3$ Cl $_2$ •2H $_2$ O (moved to Poster 3 Session)

Takashi Ogura, Graduate School of Science, Hokkaido University, Division of Physics, Sapporo, Japan

Magnetic field effect on superconductivity of a doped-type organic superconductor, κ -(BEDT-TTF) $_4$ Hg $_{2.89}$ Br $_8$

Takahiro Okuhata, Saitama University, Graduate School of Science & Engineering, Saitama, Japan

Low temperature Study of mixed donor system (TMTSF $_{1-x}$ TMTTF $_x$) $_2$ PF $_6$: crystal structure, ESR and transport properties

Kokichi Oshima, Boston College, Physics, Chestnut Hill, MA, USA

Electron Spin Resonance Study of the Organic Conductor β -(BDA-TTP) $_2$ MCl $_4$ (M=Fe, Ga)

Yugo Oshima, Institute of Materials Research, Tohoku University, Sendai, Japan

Pressure-induced changes in the optical response of the quasi-one-dimensional organic salt (TMTTF) $_2$ AsF $_6$,

Alexej Pashkin, Stuttgart University, Physical Institute, Stuttgart, Germany

Nernst and Magnetothermopower effects in (TMTSF) $_2$ ClO $_4$

Moon-Sun Nam, University of Oxford, Department of Physics, The Clarendon Laboratory, Oxford, UK

Comparative SdH- and dHvA-measurements on the organic metal (BEDT-TTF) $_4$ [Ni(dto) $_2$]

Wolfgang Schmidt, Universität Stuttgart, Physikalisches Institut, Stuttgart, Germany

Investigations of the Fermi surface of the organic superconductor β_T -(BEDT-TTF) $_2$ I $_3$

Wolfgang Schmidt, Universität Stuttgart, Physikalisches Institut, Stuttgart, Germany

Strong Coulomb effects in hole-doped Heisenberg chains

Jürgen Schnack, University of Osnabrück, Dept. of Physics, Osnabrück, Germany

Pressure-temperature phase diagram of the alloy κ -[(BEDT-TTF) $_{1-x}$ (BEDSe-TTF) $_x$] $_2$ Cu[N(CN) $_2$ Br

probed by SQUID magnetometry under hydrostatic (helium-gas) pressure

Yuri Sushko, Dept. of Physics, Univ. Kentucky, Lexington, KY USA

Superconductivity and pseudogap states in lambda-(BEDT-TSF)₂GaCl₄ : microwave conductivity measurements

Takahiro Suzuki, Tohoku University, Physics Department, Graduate School of Science, Sendai, Japan

X-ray study at low temperature and under pressure in (TMTSF)₂FSO₃

Jun-Ichi Yamaura, The University of Tokyo, Institute for Solid State Physics, Kashiwa, JAPAN

Unconventional Field Dependence of Magnetoresistance of (TMTSF)₂ClO₄ Studied by 45-T Pulsed Magnetic Field System

Harukazu Yoshino, Boston College, Department of Physics, Hill MA USA

Other Aspects

Pressure effects on superconducting and magnetic transitions in layered sodium cobalt oxides, Na_xCoO₂

Yuri Sushko, Dept. of Physics, Univ. Kentucky, Lexington, KY USA

Dynamics of weakly coupled random antiferromagnetic spin chains

Eddy Yusuf, Department of Physics and NHMFL, Florida State University, Tallahassee FL, USA

Phase Transitions and Charge Ordering(advanced from Poster 3)

Inhomogeneous Site Charge Distribution around the Semiconductor-Superconductor transitions of the β"-type ET salts

Takashi Yamamoto, Riken, Condensed Molecular Materials Laboratory, Wako, Japan

POSTER SESSION 3, THURSDAY, SEPTEMBER 15, 2005

Molecular Magnetism

Electron paramagnetic resonance studies of the high-spin molecule Cr₁₀(OMe)₂₀(O₂CCMe₃)₁₀

Arzhang Ardavan, University of Oxford, Department of Physics, The Clarendon Laboratory, Oxford UK

Electronic structure and exchange interactions in magnetic molecules V₁₅ and V₁₂

Viatcheslav V. Dobrovitski, Ames Laboratory, Iowa State University, Ames, USA

Building Blocks for Organic Heterospin, Heteromolecular Complexes as Models for Organic Molecule-Based Ferrimagnets

Kenichi Hayakawa, Osaka City University, Department of Material Science, Osaka, Japan

Design and Synthesis of a Novel Organic Triradical as a Model Compound for Generalized Ferrimagnets

Tomoaki Ise, Osaka City University, Graduate School of Science, Osaka, Japan

Magnetic Properties of a Nitronyl Nitroxide Triradical as a Model for Single-Component Molecule-Based Ferrimagnetics

Yuki Kanzaki, Osaka City University, Osaka, Japan

Novel nano-sized polyoxomolybdate magnetic molecules

Paul Kogerler, AMES, Iowa, USA

Charge-transferred [Ru₂]₂/TCNQ Two-Dimensional Compounds: From Paramagnet to Long-Range Ordered Magnet

Hitoshi Miyasaka, Tokyo Metropolitan University, Chemistry, Tokyo, Japan

Mechanisms of Spin-Ordering in Multi-Spin Transition Metal Complexes with Nitroxides

Ryza N. Musin, Clark Atlanta University, Department of Physics and Center for Theoretical Studies of Physical Systems, Atlanta Georgia U.S.A.

Three-dimensional Cyanide-bridged Bimetallic Magnets Having Porous Frameworks

Masaaki Ohba, Kyoto University, Dept. of Synthetic Chemistry and Biological Chemistry, Graduate School of Engineering, Kyoto, Japan

Magnetic Properties of Metal Cyanide Networks Assembled at Interfaces

Ju-Hyun Park, University of Florida, Physics, Gainesville, Florida

Spectral studies of DIET, DIEDO and DIETS organic donors and their charge-transfer salts with paramagnetic cyano complex

Roman Swietlik, Polish Academy of Sciences, Institute of Molecular Physics, Poznań, Poland

Ground-State Triplet Biradicals of Nitronyl Nitroxide Containing a Nucleobase Substituent as Synthons for Bio-inspired Organic Magnets

Hiroyuki Tanaka, Osaka City University, Osaka, Japan

Observation of Antiferromagnetic Spin-flop Transition in lambda-type BETS salts using AFM Microcantilever

Hisashi Tanaka, AIST NRI, Tuskuba, Japan

Phase Transitions and Charge Ordering

Magnetic-field-induced Fermi surface reconstruction in Na_{0.5}CoO₂

Luis Balicas, National High Magnetic Field Lab, Tallahassee, FL USA

Charge Ordering and Charge Disproportionation in the theta-phase BEDT-TTF salts
Ryo Chiba, Gakushuin Univ., Physics Dept., Tokyo, Japan

Charge Order in (TMTTF)₂X Investigated by Infrared Spectroscopy
Michael Dumm, Universitaet Stuttgart, Physikalisches Institut, Stuttgart, Germany

Infrared studies of the bandwidth-controlled Mott-Hubbard transition in quasi 2D organic κ -(BEDT-TTF)₂Cu[N(CN)₂]Br_xCl_{1-x} charge transfer salts
Daniel Faltermeier, Universitaet Stuttgart, Physikalisches Institut, Stuttgart, Germany

Pressure Effect on Insulating State in Ferrimagnetic pi-d system (EDT-TTFVO)₂FeBr₄
Tsutomu Fujimoto, Grad. Sch. of Science, Osaka City Univ., Osaka, Japan

Electron spin dynamics in (DMe-DCNQI)₂M (M = Li_{1-x}Cu_x (x < 0.14), Ag)
Maki Hiraoka, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan

NQR spectra and spin-lattice relaxation rates of DMOTF-QBr₄, -QCl₄, and -QBr₂Cl₂
Fumitatsu Iwase, University of Tokyo, Department of Applied Physics, Tokyo, Japan

Influence of uniaxial pressure on the pressure-temperature phase diagram of TMTSF compounds
Y. J. Jo, Ewha Womans University, Physics Department, Seoul, Korea

Metal-insulator transition and superconductivity in the new incommensurate-lattice organic superconductors (MDT-TS)(AuI₂)_{0.441} and (MDT-TS)(I₃)_{0.407}
Tadashi Kawamoto, Tokyo Institute of Technology, Department of Organic and Polymeric Materials, Tokyo, Japan

ESR study on the electronic state of β' -(BEDT-TTF)(TCNQ)
Shin'ichi Konno, Chuo University, Department of Physics, Tokyo, Japan

Charge Ordering in κ -(BEDT-TTF)₄[M(CN)₆][N(C₂H₅)₄] · 2H₂O (M = Co^{III}, Fe^{III}) – High Pressures and Uniaxial Strain Effects
Mitsuhiko Maesato, Kyoto University, Division of Chemistry, Graduate School of Science, Kyoto, JAPAN

Determination of the p-charge distribution of DMe-DCNQI molecule in (DMe-DCNQI)₂M, M=Li, Ag, and Cu
Kenji Mizoguchi, Tokyo Metropolitan University, Tokyo, Japan

Redistribution of Electronic Charge in (TMTTF)₂ReO₄: ¹³C NMR investigation
Toshikazu Nakamura, Institute for Molecular Science, Okazaki, Japan

Charge Ordered Insulating State in DODHT salts

Hiroyuki Nishikawa, University of Tsukuba, Pure and Applied Sciences, Tsukuba, Japan

Charge Ordering State on (BEDT-TTF)₃Cl₂•2H₂O (moved to Poster 2 Session)

Takashi Ogura, Graduate School of Science, Hokkaido University, Division of Physics, Sapporo, Japan

Neutral-Ionic Transition of (BEDT-TTF)(ClMeTCNQ) Studied by ESR under Pressure

Hirokazu Sakamoto, Tokyo Metropolitan University, Physics Dept., Tokyo, Japan

NMR Studies of an exotic members of the Bechgaard salt, (TMTSF)₂FSO₃ under pressure,

Hidetaka Satsukawa, Gakushuin University, Department of Physics, Tokyo, Japan

Infrared and Raman investigations of the charge ordering phenomena in the monoclinic salts

κ-(BEDT-TTF)₄[M(CN)₆][NC₂H₅]₄3H₂O (M=Co(III), Fe(III))

Roman Swietlik, Polish Academy of Sciences, Institute of Molecular Physics, Poznań, Poland

NMR study of the narrow-gap-semiconducting state in alpha-(BEDT-TTF)₂I₃ and the related compounds

Toshihiro Takahashi (presented by **Yoshiki Takano**), Gakushuin University, Department of Physics, Tokyo, Japan

Magnetic correlation in BETS₂(Cl₂TCNQ)

Yoshiki Takano, Gakushuin University, Department of Physics, Tokyo, Japan

Multiple Superstructure Model of Glass Transition in Organic Superconductors κ-(BEDT-TTF)₂Cu[N(CN)₂]X

Makariy Tanatar, Institute for Molecular Science, Okazaki, Japan

Dimensionality effect in quasi-one-dimensional Mott insulators

Masahisa Tsuchiizu, Nagoya University, Department of Physics, Nagoya, Japan

Phase separation in the charge-transfer phase transition of biferrocenium-(F₁TCNQ)₃

Mikio Uruichi, Institute for Molecular Science, Okazaki, Japan

Unusual electronic state of layered θ-(ET)₂X studied by Raman spectroscopy

Kyuya Yakushi, Institute for Molecular Science, Okazaki, Japan

Optical second harmonic generation in charge ordered CT complexes

Kaoru Yamamoto, Institute for Molecular Science, Okazaki, JAPAN

Inhomogeneous Site Charge Distribution around the Semiconductor-Superconductor transitions of the β'-type ET salts (Presented in Poster Session 2.)

Takashi Yamamoto, Riken, Condensed Molecular Materials Laboratory, Wako, Japan

REU/RET Student Poster Session

Physical Properties of Spanish Moss
Lindsey Channels, Bowling Green

Free Radicals in Popcorn
Melvin Figueroa and Jonathan Hamilton

High Strength, High Conductivity Copper
Franciso Luongo, Stanford University

Organic Superconductors
Emmitt Thompson, Univ. Florida, Gainesville, FL

Magnetic anisotropy of T7 RNA Polymerase
Kim Wadelton, Sweet Briar College

Effects of magnetic fields on the in vitro transcription using RNA polymerases
Marianna Worczak, Clarkson University

Multiple transitions in multiple quantum well structures
Catherine Yeh, Univ. Florida, Gainesville, FL