

August 10 (Mon)

13:00 Opening

13:10 C. D. Frisbie (Univ. of Minnesota) [35]

"Scanning Probe Microscopy of Ultrathin Pentacene Films: Epitaxy, Defects, and Energetic Disorder"

13:45 M. Nakamura (Chiba Univ.) [25]

"Relationship between HOMO-Band and Crystal Structures in Pentacene Polycrystalline Thin-Films"

Coffee Break (14:10 – 14:40)

14:40 S. Kuroda (Nagoya Univ.) [25]

"ESR Observation of Field-Induced Charge Carriers in Organic Transistors"

15:05 T. Hasegawa (AIST) [25]

"ESR Study on Charge Dynamics and Distribution of Localized States in Organic Transistors"

15:30 A. S. Mishchenko (RIKEN) [25]

"Distribution of Localized States from the Fine Analyses of Electron Spin Resonance Spectra: Basics of the Method"

Coffee Break (15:55 – 16:25)

16:25 J. Takeya (Osaka Univ.) [25]

"Hall Effect in Field-Effect Transistors of Thin-Film and Single-Crystal Organic Semiconductors"

16:50 H. Okamoto (Univ. of Tokyo)

"Ultrafast Exciton and Carrier Dynamics in a Rubrene Single Crystal"

Coffee Break (17:15 – 17:30)

17:30 – 18:30 Poster Preview

August 11 (Tue)

9:00 S. Tautz (Forschung. Juelich) [35]

"Highly Ordered Molecular Adsorbate Layers on Metal Surfaces: from Surface Science to Molecular Electronics"

9:35 N. Takagi (Univ. of Tokyo) [25]

"Spin state, magnetic anisotropy and Kondo effect: Iron(II) phthalocyanine on metal substrates"

10:00 Y. Morikawa (Osaka Univ.) [25]

"Theoretical Study of Interfacial Dipoles at Metal/Organic Interfaces"

Coffee Break (10:25 – 10:55)

10:55 Y. Iwasa (Tohoku Univ.) [25]

"Development of Liquid Gated Transistors"

11:20 H. M. Yamamoto (RIKEN) [25]

"Field Effect Transistor Based on an Organic Mott-Insulator"

11:45 S. Ishibashi (AIST) [25]

"Computational Approach to Exotic Electronic Properties at Interfaces"

Lunch Break (12:10 – 13:20)

13:20 M. Hiramoto (IMS) [25]

"Organic p-i-n Solar Cells Incorporating Seven-nine Purified Fullerene"

13:45 H. Tajima (Univ. of Tokyo) [25]

"Magnetophotocurrent Effect in Organic Photovoltaic Devices"

14:10 T. Takenobu (Tohoku Univ.) [25]

"Interface Control and Light Emission"

Coffee Break (14:35 – 15:05)

15:05 Y. Kubozono (Okayama Univ.) [25]

"Fabrication of High-Performance Field-Effect Transistors with Aromatic Hydrocarbon Molecules by Interface Control"

15:30 T. Mori (TITEC) [25]

"High-Resolution Transparent Carbon Electrodes for Organic Field-Effect Transistors Produced by Solution Method and Laser Sintering Method and Laser Sintering"

Coffee Break (15:55 – 16:25)

16:25 F. Schreiber (Univ. Tuebingen) [35]

"High-Resolution Studies of Organic Adsorbates on Metal Crystals using X-ray Standing Waves: Molecular Distortions and their Implications for Organic Electronics"

17:00 W. Chen (Nat. Univ. of Singapore) [35]

"STM and Synchrotron Studies of the Molecule-Substrate Interface"

17:35 N. Ueno (Chiba Univ.) [25]

*"First Principles Measurement of Hole Mobility in Organic Semiconductors with UPS:
Bridging Electronic States and Electrical Property"*

18:00 Move

18:10 – 20:00 Banquet

August 12 (Wed)

- 9:00 V. Podzorov (Rutgers Univ.) [35]
"Self-Assembled Monolayers on Organic Semiconductors: Characterization, Growth Mechanism, Transport and Optical Properties"
- 9:35 K. Tajima (Univ. of Tokyo) [25]
"Enhanced Charge Transports in Polymer Thin Film Transistors Prepared by Contact Film Transfer Method"
- 10:00 K. Saiki (Univ. of Tokyo) [25]
"Control of Organic Film Growth by Physical and Chemical Modification of Substrates"
- Coffee Break (10:25 – 10:55)
- 10:55 Y. Kim (RIKEN) [25]
"Electronic Structure of a Carbon Nanotube on Various Electrode Surfaces"
- 11:20 M. Shiraishi (Osaka Univ.) [25]
"Transport and Gate-induced Modulation of Pure Spin Current in Single- and Multi-layer Graphene"
- 11:45 K. Kusakabe (Osaka Univ.) [25]
"A theoretical Analysis on Reaction Processes of Carbon Nano-structures with Metal Oxides"
- 12:10 K. Tsukagoshi (MANA-NIMS) [25]
"Band-gap Modulation in Bilayer Graphene"
- 12:35 Closing

Poster Presentation

1. T. Uemura (Osaka Univ.)
"Monolithic Complementary Inverters Based on Intrinsic Semiconductors of Organic Single Crystals"
2. H. Yamane (IMS)
"Impact of Geometric Structure on Interface Energetics and Electronic Band Dispersion in Thin Films of Pentacene"
3. J. Inoue (TITEC)
"Organic Field-Effect Transistors with Electrodes Produced from Organic Semiconductors by Laser Irradiation"
4. S. Tao (Univ. of Tokyo)
"Temperature and Excitation Energy Dependence of Ultrafast Dynamics of Photoexcited States in Rubrene Single Crystals"
5. S. Shimizu (Univ. of Tokyo)
"Mediating Role of Magnesium Substrate in n-Type Doping of Tetrathianaphthacene (TTN) to Tris-(8-hydroxyquinoline) aluminum (Alq₃)"
6. K. Mukai (Univ. of Tokyo)
"The Interaction between F₄-TCNQ and the 2-Methylpropene Terminated Si(100) Surface"
7. Y. Kanamori (Univ. of Tokyo)
"Fabrication of Highly Orientated α -Sexithiophene Grains on Artificially Patterned Substrates: Graphoepitaxy"
8. S. Obata (Univ. of Tokyo)
"Electrical Properties of Chemically Prepared Graphene"
9. Q. Wei (Univ. of Tokyo)
"Surface-Segregated Monolayers: A New Type of Ordered Monolayer for Surface Modification of Organic Semiconductors"
10. S. Kera (Chiba Univ.)
"Electronic states and spin configuration of Mn-phthalocyanine films"
11. T. Nishi (Chiba Univ.)
"Electronic Structure of TNAP on Bismuth (001)"
12. S. Duhm (Chiba Univ.)
"Orientation Dependent Ionization Energy of Organic Thin Films: The Role of Intramolecular Polar Bonds"
13. S. Hosoumi (Chiba Univ.)
"Hole-vibration coupling in an oriented thin film of Perfluoropentacene"
14. S. Haas (AIST)
"High-Performance Dinaphthothienothiophene (DNTT) Single-Crystal Field-Effect Transistors"
15. S. Haas (AIST)
"Charge and Field Modulation Spectroscopy on Organic Thin-Film Transistors"

16. H. Matsui (AIST)

"Spatially-Resolved Frequency Response Analyses on Organic Thin-Film Transistors"

17. H. Yuan (Tohoku Univ.)

"Liquid Gated ZnO Transistor and Its Polarity Selective Operation"

18. J. T. Ye (Tohoku Univ.)

"Inducing Superconductivity in Layered Material Based Electronic Double Layer Field Effect Transistors"