

EAS7 Daily Program

Tuesday, September 1st, 2015

Registration **Conference Hall**
17:00 –

Welcome Reception **Conference Hall**
18:00 –

Wednesday, September 2nd, 2015

Registration **Room 106 (Bldg. B3)**
8:30 –

Opening Ceremony **Lecture Room A**
9:00 – 9:20 Opening Address

Plenary Lecture **Lecture Room A**
9:20 – 10:00 PL-1 **Hiroyuki Nishide (Waseda University, Japan)**
Redox Polymer for Organic-Based Energy-Related Devices

10:00 – 10:40 PL-2 **Zhaohui Wang (Chinese Academy of Sciences, China)**
High Performance Organic Semiconductors Based on Multidimensional Perylene Architectures

(Coffee Break)

Session IA-1 **Lecture Room A**
11:10 – 11:35 IL-1 **Yuji Kubo (Tokyo Metropolitan University, Japan)**
Synthesis, Properties, and Applications of NIR-Absorbing Dibenzo-BODIPYs

11:35 – 12:00 IL-2 **Yasuhiro Kubota (Gifu University, Japan)**
Synthesis and Fluorescence Properties of Pyrimidine Mono- and Bisboron Complexes

Session IB-1 **Lecture Room B**
11:10 – 11:35 IL-3 **Masahiro Funahashi (Kagawa University, Japan)**
Electronic Functions of Liquid-Crystalline Dyes Bearing Cyclic Organosiloxane Moieties

11:35 – 12:00 IL-4 **Yutaka Ie (Osaka University, Japan)**
Development of Electron-Transporting π -Conjugated Systems for n-Type OFETs

(Lunch)

Session IA-2

Lecture Room A

13:00 – 13:25

IL-5 **Shinya Matsumoto (Yokohama National University, Japan)**

Film Properties and Crystal Engineering of Bisazomethine Dyes

13:25 – 13:50

IL-6 **Eisuke Ohta (Osaka Prefecture University, Japan)**

Theoretical Calculation and Synthetic Study on Si-Bridged π -Conjugated Skeletons

13:50 – 14:15

IL-7 **Akihiro Orita (Okayama University of Science, Japan)**

One-Shot Synthesis of Diamino-Substituted Diarenopentalenes

14:15 – 14:30

OP-1 **T. Kadoya, T. Mori, J. Yamada (University of Hyogo, Tokyo Institute of Technology, Japan)**

Self-Contact Organic Transistors: Energy-Level Alignment at Semiconductor/Electrode Interface

Session IB-2

Lecture Room B

13:00 – 13:25

IL-8 **Masahiro Misaki (Kobe University, Japan)**

Laser-Induced Micro-Patterning and Molecular Orientation of Organic Semiconductor Thin Films

13:25 – 13:50

IL-9 **Fabien Nekelson (BASF Japan Ltd., Japan)**

Material Development and an Innovative Deposition Processes for Organic FETs

13:50 – 14:15

IL-10 **Hideki Fujiwawa (Osaka Prefecture University, Japan)**

Photofunctional Conductors Using TTF-Based Donor-Acceptor Dyads

14:15 – 14:30

OP-2 **R. Tao, T. Umeyama, T. Higashino, T. Koganezawa, H. Imahori (Kyoto University, Japan Synchrotron Radiation Research Institute, Japan)**

Synthesis and Isolation of cis-Regiospecific Ethylene-Tethered Indene Dimer-Fullerene C₆₀ and C₇₀ Adducts for Polymer Solar Cell Applications

(Coffee Break)

Session IA-3

Lecture Room A

14:55 – 15:20

IL-11 **Akinori Saeki (Osaka University, Japan)**

Charge Carrier Dynamics in Organic/Inorganic Semiconductors Evaluated by Microwave Technique

15:20 – 15:45

IL-12 **Keiichi Sakamoto (Nihon University, Japan)**

Near Infrared Absorbed Phthalocyanines to Utilize Photosensitizers

15:45 – 16:10

IL-13 **Hiroshi Shinokubo (Nagoya University, Japan)**

Syntheses and Properties of Novel Porphyrinoids from Dipyrins

16:10 – 16:35 IL-14 **Young-A Son (Chungnam National University, Korea)**
Design and Preparation of Dye Chemosensor and Related Properties and Applications

16:35 – 17:00 IL-15 **Kazumasa Ueda (Shizuoka University, Japan)**
Size-effect of Alkylthio Groups on Solid State Optical Properties of Methoxy-Carbonyl Substituted 2,5-Di(1,3-dithiol-2-ylidene)-1,3-dithiolane-4-thione Derivatives

Session IB-3

Lecture Room B

14:55 – 15:20 IL-16 **Keiichi Tateishi (FUJIFILM Corp., Japan)**
Novel Yellow Pigment Having Excellent Image Fastness

15:20 – 15:45 IL-17 **Tsuyoshi Tsujioka (Osaka Kyoiku University, Japan)**
Selective Metal Deposition on Photochromic Surfaces

15:45 – 16:10 IL-18 **Kingo Uchida (Ryokoku University, Japan)**
Generation of Topographically Versatile Surface. Photo- and Temperature-Induced Reversible Changes of Topography of Photochromic Microcrystalline Surfaces

16:10 – 16:35 IL-19 **Weihong Zhu (East China University of Science & Technology, China)**
Encoding Optical Signals and Logic Gates Based on High Efficient Photochromic Systems

16:35 – 17:00 IL-20 **Masaru Yao (AIST, Japan)**
Organic Rechargeable Batteries: Recent Development and Future Prospects

Poster Presentation (1)

Conference Hall

17:00 – 18:30 (PS-1 ~ PS-42)

Thursday, September 3rd, 2015

Plenary Lecture

Lecture Room A

- 9:30 – 10:10 PL-3 **Suresh Das (Kerala State Council for Science Technology and Environment, India)**
Squaraines: A Versatile Class of Functional Near-Infrared Dyes
- 10:10 – 10:50 PL-4 **Kenji Matsuda (Kyoto University, Japan)**
Assembly and Alignment of Photochromic and Fluorescent Dyes in Two- and Three-Dimensional Way
- 10:50 – 11:30 PL-5 **Li Lu (National University of Singapore, Singapore)**
Solid Electrolyte Material for All-Solid-State and Li-Air Batteries

(Lunch)

Session IIA-1

Lecture Room A

- 12:30 – 12:55 IL-21 **Hidemitsu Uno (Ehime University, Japan)**
Synthesis and Properties of Pyrrole-Based NIR Dyes
- 12:55 – 13:20 IL-22 **Xunwen Xiao (Ningbo University of Technology, China)**
Self-Assembled Coordination Complexes Incorporating the Ligand: Tetrathiafulvalene-Pyridine
- 13:20 – 13:45 IL-23 **Jun-ichi Yamada (University of Hyogo, Japan)**
Structural and Physical Properties of Molecular Conductors Derived from π -Extended Donors with a Dithiane Ring
- 13:45 – 14:10 IL-24 **Mamoru Nango (Osaka City University, Japan)**
Molecular Assembly of Photosynthetic Complexes for Development of Nanobiodevices
- 14:10 – 14:25 OP-3 **M. Nakao, S. Watanabe (Kochi University, Japan)**
Hydrophobic Dye-Encapsulated Pluronic Micelles as Fluorescent Probes for Hg²⁺

Session IIB-1

Lecture Room B

- 12:30 – 12:55 IL-25 **Yoshiaki Sakurai (Technology Research Institute of Osaka Prefecture, Japan)**
Luminescent Properties of Green Phosphorescent Cyclometalated Platinum(II) Complexes in Polymer Thin Films
- 12:55 – 13:20 IL-26 **Yong-Jin Pu (Yamagata University, Japan)**
Solution-Processed Multilayer OLEDs Towards Lighting Applications
- 13:20 – 13:45 IL-27 **Masaki Shimizu (Kyoto Institute of Technology, Japan)**
Development of Organic Chromophores That Exhibit Efficient Visible-Light Emission in the Solid State

13:45 – 14:10 IL-28 **Shigeyuki Yagi (Osaka Prefecture University, Japan)**
Phosphorescent Organoiridium Complexes Bearing Carbazole-Based Dendrons for Solution-Processed OLED

14:10 – 14:25 OP-4 **T. Aoyama, H. Takaku, H. Hayakawa, Y. Tajima, S. Matsushita (RIKEN Innovation Center)**
Multilayer Deposition of OLED Materials by Solution-Processing Electrospray Deposition Technique

(Coffee Break)

Session IIA-2

Lecture Room A

14:55 – 15:20 IL-29 **Yutaka Amao (Osaka City University, Japan)**
Visible-light Induced Carbon Dioxide Reduction with Dye-Enzyme Hybrid Artificial Photosynthesis

15:20 – 15:45 IL-30 **Jun Maruyama (Osaka Municipal Technical Research Institute, Japan)**
Energy Conversion Catalysts Based on Pyrolyzed Phthalocyanines

15:45 – 16:10 IL-31 **Tsung-Kuang Chen (Everlight Chemical Industrial Corp., Taipei)**
Introduction of Functional Dye & Advanced Material Business Roadmap

16:10 – Introduction **C.-S. Hu, S.-R. Lai (T&T Industries Corp.)**
Introduction of T&T Industries Corporation

Session IIB-2

Lecture Room B

14:55 – 15:20 IL-32 **R. S. Jayasree (Sree Chitra Tirunal Institute for Medical Sciences and Technology, India)**
Tuning Optical and Magnetic Properties of Metallic Nanoparticles for Biomedical Applications

15:20 – 15:45 IL-33 **Sheng-Tung Huang (National Taipei University of Technology, Taipei)**
Design Strategies and Applications for Self-Immolative Fluorogenic Probes

15:45 – 16:10 IL-34 **Shingo Saito (Saitama University, Japan)**
Fluorescence Sensing of Saccharides Using Boronic Acid Functionalized Squarylium Dyes and Their Applications to Analytical Methods

Poster Presentation (2)

Conference Hall

16:10 – 17:40 (PS-43 ~ PS-85)

Banquet

HYATT REAGENCY OSAKA

18:30 – 20:30

Friday, September 4th, 2015

Plenary Lecture

Lecture Room A

9:00 – 9:40 PL-6 **Hiroshi Segawa (The University of Tokyo, Japan)**
Organic and Hybrid Solar Cells for Next Generation Photovoltaics

9:40 – 10:20 PL-7 **Der-Gun Chou (Everlight Chemical Industrial Corp., Taipei)**
Twilight of Dye Sensitized Photovoltaics

(Coffee Break)

Session IIIA-1

Lecture Room A

10:50 – 11:15 IL-35 **Quang-Duy Dao (Osaka University, Japan)**
A Study on High-Efficiency Organic Solar Cells Using Hybrid Phthalocyanine-Tetrabenzoporphyrin Macrocycles

11:15 – 11:40 IL-36 **Liyuan Han (National Institute for Materials Science, Japan)**
High Efficient Perovskite Solar Cells

11:40 – 12:05 IL-37 **Hiroshi Imahori (Kyoto University, Japan)**
Molecular Engineering for Photoinduced Electron Transfer and Its Application

12:05 – 12:30 IL-38 **Fukashi Matsumoto (Osaka Municipal Technical Research Institute, Japan)**
Design of Fullerene Derivatives for Organic Solar Cells

Session IIIB-1

Lecture Room B

10:50 – 11:15 IL-39 **Nobutake Tanigaki (AIST, Japan)**
Oriented Thin Films of PTB7, a Low-Band-Gap Polymer, Prepared by Friction Transfer Method

11:15 – 11:40 IL-40 **Hideyuki Nakano (Muroran Institute of Technology, Japan)**
Photomechanical Effects Observed for Azobenzene-Based Molecular Materials

11:40 – 12:05 IL-41 **Norio Shibata (Nagoya Institute of Technology, Japan)**
Synthesis and Property of Novel Phthalocyanine Having Pentafluorosulfanyl (SF₅) Group on the Peripheral Positions

12:05 – 12:30 IL-42 **Haruyuki Okamura (Osaka Prefecture University, Japan)**
Synthesis and Application of I-Line or G-Line Sensitive Photoacid Generators

(Lunch)

Session IIIA-2

Lecture Room A

- 13:30 – 13:55 IL-43 **Masaki Matsui (Gifu University)**
Application of Indoline Dyes to Dye-Sensitized Solar Cell
- 13:55 – 14:20 IL-44 **Yousuke Ooyama (Hiroshima University, Japan)**
Molecular Design and Synthesis of D- π -A Photosensitizers with Pyridyl Group for Dye-Sensitized Solar Cells
- 14:20 – 14:45 IL-45 **Koishiro Shigaki (Nippon Kayaku Co., Ltd, Japan)**
D- π -A Type Dyes Developed for Dye-Sensitized Solar Cell and Its Potential
- 14:45 – 15:00 OP-5 **T. Maeda, X. Chen, K. Miyanaga, S. Yagi, H. Nakazumi (Osaka Prefecture University)**
Interchromophore Arrangement in Branched Squaraine dyes for DSSCs

Session IIB-2

Lecture Room B

- 13:30 – 13:55 IL-46 **Jean-Charles Ribierre (Kyushu University, Japan)**
Recent Advances in Solvent-Free Liquid Molecular Electronic Devices
- 13:55 – 14:20 IL-47 **Takashi Sagawa (Kyoto University, Japan)**
Band Alignment of Organic and Inorganic Materials for Hybrid Solar Cells
- 14:20 – 14:45 IL-48 **Atsushi Wakamiya (Kyoto University, Japan)**
Printable Solar Cells: Recent Progress on Perovskite Solar Cells
- 14:45 – 15:00 OP-6 **A. Uzum, H. Kanda, S. Ito (University of Hyogo)**
Two-Terminal Perovskite/Crystalline Silicon Tandem Solar Cells

(Coffee Break)

Plenary Lecture

Lecture Room A

- 15:25 – 16:05 PL-8 **Akiya Ogawa (Osaka Prefecture University, Japan)**
Eco-friendly Oxidation Catalyzed by Metal Complexes Bearing π -Conjugated Ligands
- 16:05 – 16:45 PL-9 **Sung-Ho Jin (Pusan National University, Korea)**
Multi-Functional Emitting Materials for Organic light-Emitting Diode Applications

Closing Remarks / Poster Awards

Lecture Room A

16:45 – 17:00