

Program

Monday, August 25, 2025

18:00- Welcome party @NAKANOSHIMA SOCIAL EAT AWAKE (OSAKA CITY CENTRAL PUBLIC HALL)

Tuesday, August 26, 2025

Conference Room 1003

8:50-9:00 Opening ceremony and welcome address
Yutaka Ie (The University of Osaka)

9:00-10:30 Session 01 Chairperson: Yong-Young Noh (POSTECH)
PL-01 (Plenary lecture)

9:00-9:40 36 Years of OLED research: From Fundamental Studies to Practical Applications
Junji Kido (Yamagata University)

IL-01 (Invited)

9:40-10:05 One-dimensional Helical Hybrid Perovskites for Opto-spintronics Devices
Ayumi Ishii (Waseda University)

IL-02 (Invited)

10:05-10:30 Visualization of Long-range Charge Carrier Transport in Perovskite Thin Films
Jooyoung Sung (Daegu Gyeongbuk Institute of Science and Technology)

10:30-10:45 Break (15 min)

10:45-12:05 Session 02 Chairperson: Ayumi Hirano-Iwata (Tohoku University)
Memorial

10:45-10:55 Memorial Ceremony for Prof. Taiho Park

IL-03 (Invited)

10:55-11:20 Revolutionizing Clinical Laboratory Testing with Electrical Single-Molecule Measurement Technology
Masateru Taniguchi (The University of Osaka)

GL-01

11:20-11:35 Transfer Printing and Micro-Patterning of Perovskite Nanocrystal Monolayers through Substrate Surface Wettability Control
Yuto Kajino (Kyushu University)

GL-02

11:35-11:50 Macroscopic Structural Transition of Paramagnetic Nickel Dithiolate Capsule in Water
Tomoko Fujino (Yokohama National University)

GL-03

11:50-12:05 Optoelectronic Anisotropy in Uniaxially Aligned Polythiophene and the Effect of Molecular Doping
Takaho Yokoyama (RIKEN)

- 12:05-13:15 Lunch (70 min)
- 13:15-15:00 Session 03 Chairperson: Kyungkon Kim (Ewha Womans Univ.)
IL-04 (Invited)
- 13:15-13:40 Photoinduced Electron and Proton Transfer Dynamics in Organic Semiconductors
JaeHong Park (Ewha Womans University)
- IL-05 (Invited)
- 13:40-14:05 Development of Conjugated Polymers Based on Thiazole-Containing Fused Rings for Efficient Organic Photovoltaics
Itaru Osaka (Hiroshima University)
- IL-06 (Invited)
- 14:05-14:30 Understanding of charge generation in organic bulk hetero junction for high photovoltaic effects
Hae Jung Son (Korea Institute of Science and Technology)
- GL-04
- 14:30-14:45 Precise Control of Nanostructures in Organic Photovoltaics Beyond the Mixed Bulk Heterojunction
Keisuke Tajima (RIKEN)
- GL-05
- 14:45-15:00 Impact of charge transport property of π -conjugated polymer on hydrogen evolution in organic p/n heterojunction nanoparticle photocatalysts
Tsubasa Mikie (Hiroshima University)
- 15:00-15:15 Break (15 min)
- 15:15-16:50 Session 04 Chairperson: Kenichi Goushi (Kyushu University)
IL-07 (Invited)
- 15:15-15:40 Quantitative Prediction of Rate Constants for OLEDs and Development of Inverted Singlet-Triplet Emitters
Hironori Kaji (Kyoto University)
- IL-08 (Invited)
- 15:40-16:05 Non-destructive crosslinking of electronic materials
BongSoo Kim (Ulsan National Institute of Science and Technology)
- GL-06
- 16:05-16:20 Charge Transfer in Organic-Based Heterostructures: Hybrid Excitons of Cool White OLEDs and Memtransistors
Jinsoo Joo (Korea University)
- GL-07
- 16:20-16:35 Late-Stage Direct Double Borylation of B/N-based Multi-Resonance Framework Enables High-Performance Narrowband Deep-Blue OLEDs
Jiping Hao (Kyoto University)

GL-08

16:35-16:50 Development of Anion-Responsive Red-Shifting Triarylboranes and Their Applications in Tunable TADF-OLEDs
Youhei Takeda (The University of Osaka)

Conference Room 1004-1007

16:50-18:00 Poster session 1 @ Room1004-1007

18:00-19:00 Break and Transfer

19:00- Banquet @ Banquet Room "Manyo" (ANA Crowne Plaza Osaka)

Wednesday, August 27, 2025
Conference Room 1003

9:00-10:30 Session 05 Chairperson: Shiyohsi Yokoyama (Kyushu University)

PL-02 (Plenary lecture)

9:00-9:40 From Conjugated Molecular Design to Sustainable Organic Optoelectronics
Dong Hoon Choi (Korea University)

IL-09 (Invited)

9:40-10:05 Understanding the Buried Interface in Perovskite Solar Cells: From Molecular Surface
Engineering to Crystallization Control
Chieh-Ting Lin (National Chung Hsing University)

IL-10 (Invited)

10:05-10:30 Soft Lithography and Its Applications
Ju-Hyung Kim (Ajou University)

10:30-10:45 Break (15 min)

10:45-12:05 Session 06 Chairperson: Felix Sunjoo Kim (Chung-Ang University.)

IL-11 (Invited)

10:45-11:10 Self-Assembly of Nanomaterials for Device Application
Kaoru Tamada (Kyushu University)

IL-12 (Invited)

11:10-11:35 Conductive Polymer Networks for Neuromorphic Wetware
Megumi Akai-Kasaya (The University of Osaka)

GL-09

11:35-11:50 Fluorinated π -Systems: Toward Stable and Efficient Organic Devices
Minjun Kim (Kyonggi University)

GL-10

11:50-12:05 Inverted Emission of Phosphorescence and Fluorescence of Twisted Charge Transfer Dimer
Tsuyoshi Kawai (Nara Institute of Science and Technology)

12:05-13:30 Lunch (85 min)

13:30-15:30 Session 07 Chairperson: Keisuke Tajima (RIKEN)

IL-13 (Invited)

13:30-13:55 Neuromorphic Electrochemical Devices Based on Organic Mixed Ionic-Electronic
Conductors
Myung-Han Yoon (Gwangju Institute of Science and Technology)

IL-14 (Invited)

13:55-14:20 High-Performance, Robust p- and n-Type Organic Semiconductors
Toshihiro Okamoto (Institute of Science Tokyo)

- IL-15 (Invited)
 14:20-14:45 Development and optimization of polymer Insulators for reliable and flexible electronics
Hyunjin Park (Korea Research Institute of Chemical Technology)
- GL-11
 14:45-15:00 N-channel operation of organic transistor with charge transfer complex thin films of Ph-BTBT-10 and F4-TCNQ fabricated by thermal anneal
Hiroaki Iino (Institute of Science Tokyo)
- GL-12
 15:00-15:15 Reconfigurable synaptic operations with an antiambipolar transistor
Ryoma Hayakawa (National Institute for Materials Science)
- GL-13
 15:15-15:30 Investigation of Albumin-Based Biogels for Solid-State Electrolyte in Organic Transistors
Alem Araya Meresa (Chung-Ang University)
- 15:30-15:45 Break (15 min)
- 15:45-17:20 Session 08 Chairperson: Myung-Han Yoon (GIST)
- IL-16 (Invited)
 15:45-16:10 Molecular-Junction Concept to Suppress Heat Transport in CNT Yarns for Flexible Thermoelectric Generators
Masakazu Nakamura (Nara Institute of Science and Technology)
- IL-17 (Invited)
 16:10-16:35 Development of Functional Conjugated Polymers with High Conductivity and Adhesive Property for Energy Storage Systems
Jeonghun Kim (Yonsei University)
- GL-14
 16:35-16:50 Development of High-Endurance Polymer Wire-based Synaptic Device with Neuromorphic Wetware Implementation
Adrian Dy Go (The University of Osaka)
- GL-15
 16:50-17:05 ESR Study of Charge Accumulation in Organic Photoelectrochemical Transistors under Gate-Voltage Sweep
Wenhao He (University of Tsukuba)
- GL-16
 17:05-17:20 Molecular Engineering Tailored Surface and Interface for Efficient and Ultra-Stable Perovskite Solar Cells and Self-Powered Photodetectors
Chih-Yu Chang (National Taiwan University of Science and Technology)

Conference Room 1004-1007

- 17:20-18:30 Poster session 2 @ Room1004-1007

Thursday, August 28, 2025
Conference Room 1004-1007

9:00-10:10 Poster session 3 @ Room1004-1007

10:10-10:20 Break (10 min)

Conference Room 1003

10:20-11:45 Session 09 Chairperson: Hideo Ohkita (Kyoto University)
GL-17

10:20-10:35 Photomultiplication-type Organic Photodetector with Ultrafast Dynamic Characteristics
Han Young Woo (Korea University)

GL-18

10:35-10:50 Iodine Segregation at Electrode Surfaces in Perovskite Solar Cells: A Possible Contribution from Ambient Adsorption
Senku Tanaka (Kindai University)

GL-19

10:50-11:05 Tuning Halide Perovskite Surface Property using Hole-Selective Molecules
Zhanglin Guo (Kyushu University)

GL-20

11:05-11:20 Evaluation of shift current in non-centrosymmetric materials
Taishi Noma (Institute of Science Tokyo)

IL-18 (Invited)

11:20-11:45 Interface Materials Chemistry for Efficient Perovskite Photovoltaics
Atsushi Wakamiya (Kyoto University)

11:45-11:55 Introduction of next KJF-ICOME2026
Kyungkon Kim (Ewha Womans University)

11:55-12:05 Award Celemony

12:05-12:15 Closing Remark
Yutaka Ie (The University of Osaka)