

# KJF-International Conference on Organic Materials for Electronics and Photonics (KJF-ICOMEF 2026)

## Program (v.0806a)

| 2026.08.25 (Tu) |                                                                                                  |
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| Time            | Event                                                                                            |
| 16:00           | Registration desk opens – “Monterosso Hall” (B1), Hanwha Resort                                  |
| 18:00           | <b>Welcome Reception – The Bay 101 (1F) “Fingers&amp;Chat” (For confirmed participants only)</b> |

\* All lectures take place at Monterosso Hall (B1) of Hanwha Resort. Poster sessions are at Vernazza Hall (3F).

\* Registration desk is available in front of Monterosso Hall (B1) of Hanwha Resort during the conference.

| 2026.08.26 (We) |                                                                                              |                                               |                                                                                                                                         |                                        |
|-----------------|----------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Time            | Type                                                                                         | Presenter (Affiliation)                       | Title                                                                                                                                   | Session Chair                          |
| 08:40           | Opening                                                                                      | Conference Chair                              | Opening remarks                                                                                                                         |                                        |
| 08:45           | PL-1<br>TrMeD                                                                                | Jun Takeya<br>(Univ. of Tokyo, Japan)         | Charge Coherence in Self-assembled Organic Molecular Semiconductor Quantum-wells                                                        | PL1: Yejin Hwang (Inha U)              |
| 09:20           | IL-01<br>TrMeD                                                                               | Jinsoo Joo<br>(Korea Univ., Korea)            | Memtransistor Using Heterostructure of Organic-Semiconductor-TCTA and MoS2 for Reliable Neuromorphic Electronics                        | Session1: Akito Masuhara (Yamagata U)  |
| 09:40           | IL-02<br>ChmSyn                                                                              | Xugang Guo<br>(SUSTech, China)                | Development and Catalyzed Doping of n-Type Polymer Semiconductors                                                                       |                                        |
| 10:00           | Session Break (20 min)                                                                       |                                               |                                                                                                                                         |                                        |
| 10:20           | IL-03<br>PVPD                                                                                | Keisuke Tajima<br>(RIKEN, Japan)              | Precise Structural Control of Donor–Acceptor Copolymers for Organic Electronics                                                         | Session2: Seojin Ko (DGIST),           |
| 10:40           | IL-04<br>PVPD                                                                                | Shinuk Cho<br>(Ulsan Univ., Korea)            | Organic Solar Cells with Metal-Semiconductor-Metal Structure                                                                            |                                        |
| 11:00           | IL-05<br>PVPD                                                                                | Akinori Saeki<br>(Univ. of Osaka, Japan)      | Exploration of Next-Generation Solar Cells by Experiment-Based Materials Informatics                                                    |                                        |
| 11:20           | IL-06<br>PVPD                                                                                | Jaewon Chang<br>(Pukyong Nat'l Univ., Korea)  | Quinoxaline-Based Organic Interfacial Layers for Perovskite Solar Cells                                                                 |                                        |
| 11:40           | GL-01<br>PVPD                                                                                | Kodai Yamanaka<br>(Hiroshima Univ., Japan)    | A Simply Synthesized and Highly Soluble Donor Polymer for Efficient Organic Photovoltaics                                               |                                        |
| 11:55           | GL-02<br>PVPD                                                                                | Song Yi Park<br>(Pukyong Nat'l Univ., Korea)  | Rethinking Exciton Dissociation in Organic Photodetectors: An Electrostatic Potential Perspective Driven by Molecular Multipole Moments |                                        |
| 12:10           | Lunch Break (1 hour)                                                                         |                                               |                                                                                                                                         |                                        |
| 13:10           | Poster Session 1: Submission No. 002–049 and 151–223<br>– Vernazza Hall (3F) (1 hour 30 min) |                                               |                                                                                                                                         |                                        |
| 14:40           | Session Break (20 min)                                                                       |                                               |                                                                                                                                         |                                        |
| 15:00           | IL-07<br>HybMa                                                                               | So-Jung Park<br>(Ewha Womans U., Korea)       | Active Nanostructures through Self-assembly of Functional Polymers and Nanoparticles                                                    | Session3: Shiyoshi Yokoyama (Kyushu U) |
| 15:20           | IL-08<br>Other                                                                               | Yumi Yakiyama<br>(Univ. of Osaka, Japan)      | Curved $\pi$ -Electronic Materials Based on Sumanene: From Ultrahigh Dielectric Response to Bright Near-Infrared Emission               |                                        |
| 15:40           | IL-09<br>ChmSyn                                                                              | Kyung Jin Lee<br>(Chungnam Nat'l U., Korea)   | CVD based Functionalized Parylene Layer as a Flexible Gate Dielectric for Oxide Transistors                                             |                                        |
| 16:00           | GL-03<br>ChmSyn                                                                              | Naoki Ando<br>(Univ. of Osaka, Japan)         | Tuning the Properties of Thienoquinoid Compounds through Modification of Bridged Structures                                             |                                        |
| 16:15           | GL-04<br>SpecMe                                                                              | Yongsup Park<br>(Kyung Hee Univ., Korea)      | Enhanced Sensitivity in Low-Energy Inverse Photoemission Spectroscopy with an Off-Axis Parabolic Mirror for Efficient Light Collection  |                                        |
| 16:30           | Session Break (20 min)                                                                       |                                               |                                                                                                                                         |                                        |
| 16:50           | IL-10<br>EneSC                                                                               | Han Young Woo<br>(Korea Univ., Korea)         | Organic Semiconductor Photocatalysts for Green Hydrogen Production                                                                      | Session4: Minjung Ha (GIST)            |
| 17:10           | IL-11<br>MoSBE                                                                               | Yutaka Majima<br>(Inst. of Sci. Tokyo, Japan) | Self-Terminating Electroless Gold Plating: A Versatile Nanofabrication Platform for Single-Molecule Electronics and Bioelectronics      |                                        |
| 17:30           | SP-01<br>Industry                                                                            | Jeffrey Lee<br>(Korea Kiyon, Korea)           | Controllable Vacuum Chamber Systems for Perovskite Research                                                                             |                                        |
| 17:40           | PL-2<br>HybMa                                                                                | Taek Seung Lee<br>(Chungnam Nat'l U., Korea)  | Light Conversion for Photocatalysis and Photodynamic Therapy Using Organic Conjugated Polymer-Inorganic Hybrid Materials                | PL2: Yutaka Ie (U of Osaka)            |
| 18:15           | Photo Time (5 min) / Session Break (10 min)                                                  |                                               |                                                                                                                                         |                                        |
| 18:30           | Banquet – “Fish & Seaside Kitchen” (2F), Hanwha Resort<br>(For all participants)             |                                               |                                                                                                                                         |                                        |

| 2026.08.27 (Th) |                                                                                            |                                                 |                                                                                                                                          |                                                    |
|-----------------|--------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Time            | Type                                                                                       | Presenter (Affiliation)                         | Title                                                                                                                                    | Session Chair                                      |
| 08:40           | IL-12<br>OLEDi                                                                             | Anthony D'Aleo<br>(IPCMS, France)               | Mechanistic Insights into Exciplex-TADF in dibenzoylmethane borondifluoride Dyes: Pathways to Efficient rISC                             | <b>Session5:</b><br>Ken-ichi Nakayama (U of Osaka) |
| 09:00           | IL-13<br>OLEDi                                                                             | Dong Wook Kim<br>(Kyonggi Univ., Korea)         | Facilitating the Conversion of Triplet Excitons to Singlet Excitons in OLED: Computational Studies                                       |                                                    |
| 09:20           | IL-14<br>OLEDi                                                                             | Takayuki Chiba<br>(Yamagata Univ., Japan)       | Interparticle Cross-Linking of Perovskite Nanocrystals for Ultrathin Flexible X-ray Detection                                            |                                                    |
| 09:40           | IL-15<br>EneSC                                                                             | Cheng-Liang Liu<br>(Nat'l Taiwan Univ., Taiwan) | Organic/Hybrid Thermoelectric Materials and Devices                                                                                      |                                                    |
| 10:00           | Session Break (20 min)                                                                     |                                                 |                                                                                                                                          |                                                    |
| 10:20           | IL-16<br>MoSBE                                                                             | Dae Sung Chung<br>(POSTECH, Korea)              | Organic Electrochemical Transistors: Current Debates and Open Questions                                                                  | <b>Session6:</b><br>Sungjun Park (Ajou U)          |
| 10:40           | IL-17<br>TrMeD                                                                             | Hiroko Yamada<br>(Kyoto Univ., Japan)           | Solvent-Desorption-Induced Superlattice Formation Yielding a High-Performance Porphyrin-Based Organic Semiconductor                      |                                                    |
| 11:00           | IL-18<br>ChmSyn                                                                            | Sung Yun Son<br>(Kwangwoon Univ., Korea)        | Chemically Transformable Side Chains Enabling Multifunctional Conjugated Polymers                                                        |                                                    |
| 11:20           | GL-05<br>TrMeD                                                                             | Ryoma Hayakawa<br>(NIMS, Japan)                 | Reconfigurable Ternary Logic Circuits with Antiambipolar Transistors                                                                     |                                                    |
| 11:35           | GL-06<br>TrMeD                                                                             | Bishwajit Mandal<br>(GIST, Korea)               | Electrolyte-Induced Transition from Depletion-Mode to Quasi Accumulation-Mode Operation in PEDOT:PSS Organic Electrochemical Transistors |                                                    |
| 11:50           | Lunch Break (1 hour)                                                                       |                                                 |                                                                                                                                          |                                                    |
| 12:50           | Poster Session 2: Submission No. 050–149<br>– Vernazza Hall (3F) (1 hour 30 min)           |                                                 |                                                                                                                                          |                                                    |
| 14:20           | Session Break (10 min)                                                                     |                                                 |                                                                                                                                          |                                                    |
| 14:30           | Excursion – Bus/Boat/Train tour<br>(Optional: Advance sign-up required)                    |                                                 | Research Center Workshops<br>(Closed Sessions)                                                                                           | Free Time for Discussion & Networking              |
| 18:30           | Social Dinner – Haeundae Sagye Eonyang Bulgogi<br>(For invited quests and committees only) |                                                 |                                                                                                                                          |                                                    |

| 2026.08.28 (Fr) |                        |                                             |                                                                                                                                                      |                                                       |
|-----------------|------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Time            | Type                   | Presenter (Affiliation)                     | Title                                                                                                                                                | Session Chair                                         |
| 08:40           | IL-19<br>TrMeD         | Shree P. Tiwari<br>(IIT-Jodhpur, India)     | Flexible Devices for Smart Sustainable Systems                                                                                                       | <b>Session7:</b><br>Tomoyuki Akutagawa<br>(Tohoku U)  |
| 09:00           | IL-20<br>ChmSyn        | Rie Makiura<br>(Tohoku Univ., Japan)        | Functional Metal-Organic Framework Nanosheets Assembled at the Air/Liquid Interface                                                                  |                                                       |
| 09:20           | IL-21<br>EneSC         | Dong-Myeong Shin<br>(Univ. of Hong Kong)    | Single-ion Conducting Borate Network Polymer Electrolytes for Lithium Metal Battery Applications                                                     |                                                       |
| 09:40           | GL-07<br>TrMeD         | Tomoyuki Akutagawa<br>(Tohoku Univ., Japan) | Design of Electric Field - Polarization Responses in Molecular Ferroelectrics                                                                        |                                                       |
| 09:55           | YS-01<br>MoSBE         | Arti Singh<br>(Pusan Nat'l Univ., Korea)    | Microfluidic Fabrication of Hydrogel Optical Fibers with Two Functions by Tuning Swelling for Simultaneous Ionic Conductivity and Light Transmission |                                                       |
| 10:05           | Session Break (15 min) |                                             |                                                                                                                                                      |                                                       |
| 10:20           | IL-22<br>PVPD          | Hiroyuki Yoshida<br>(Chiba Univ., Japan)    | Energy Cascade Formation at Electron Transport Layer/Electrode Interfaces                                                                            | <b>Session8:</b><br>Dong-Myeong Shin (U of Hong Kong) |
| 10:40           | IL-23<br>MoSBE         | Jin-Woo Oh<br>(Pusan Nat'l Univ., Korea)    | M13 Bacteriophage as a Programmable Biomaterial for Humanoid Olfactory Display                                                                       |                                                       |
| 11:00           | GL-08<br>PVPD          | Tsubasa Mikie<br>(Hiroshima Univ., Japan)   | Fullerene Acceptors for Efficient Charge Separation                                                                                                  |                                                       |
| 11:15           | YS-02<br>PVPD          | Jae Hyeok Song<br>(Kyung Hee Univ., Korea)  | Interfacial Engineering for Chloride-Rich Deep-Blue Perovskite LEDs via Self-Assembled Monolayers                                                    |                                                       |
| 11:25           | YS-03<br>PVPD          | Tingting Liu<br>(Univ. of Osaka, Japan)     | One Molecule, Two Pathways: Distinct Crystallization Mechanisms Enabled by Fluorinated Phenethylammonium in Tin Perovskite Solar Cells               |                                                       |
| 11:35           | Session Break (5 min)  |                                             |                                                                                                                                                      |                                                       |
| 11:40           | Closing                | Secretary General, Co-Chair                 | <b>Conference Summary &amp; Intro to KJF-ICOMEF 2027 &amp; Closing</b>                                                                               |                                                       |