Schedule Overview

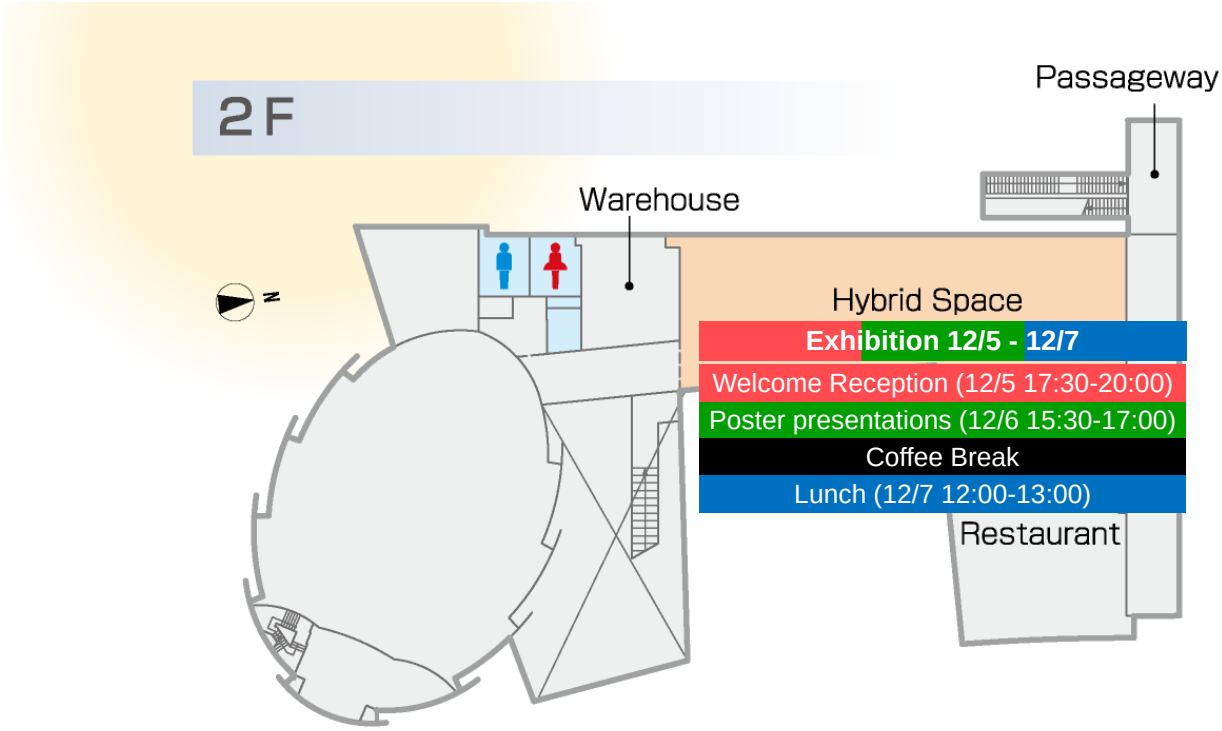
Dec.5 (Mon)		Dec. 6 (Tue)		Dec. 7 (Wed)	
		8:30	Registration	8:30	Registration
				9:00	Nam-Gyu Park
		9:35	Welcome Speech	9:20	Bin Hu
		9:40	Chihaya Adachi	9:40	Yabing Qi
		10:00	Chung-Chih Wu	10:00	Hyun Suk Jung
		10:20	Hironori Kaji	10:20	Coffee break (Hybrid Space, 2F)
		10:40	Yun Chi	10:40	Tzung-Fang Guo
		11:00	Juan Qiao	11:00	Chih Wei Chu
		11:20	Jun Yeob Lee	11:20	Ken-Tsung Wong
		11:40	Hideyuki Murata	11:40	Jung-Yong Lee
		12:00	Group Photograph (Out of doors) Luncheon seminar by Kyulux, Inc. (English or Japanese)	12:00	Lunch (Hybrid Space, 2F)
				13:00	Junji Kido
		13:30	Kilwon Cho	13:20	Wen-Yi Hung
		13:50	Jang-Joo Kim	13:40	Shun-Wei Liu
		14:10	Dechun Zou	14:00	Chun-Sing Lee
		14:30	Chih-I Wu	14:20	Tsuyoshi Sekitani
		14:50	Hao-Wu Lin	14:40	Coffee break (Hybrid Space, 2F)
		15:10	Tae-Woo Lee	15:00	Chien-Lung Wang
		15:30	Poster Presentation (Hybrid Space, 2F)	15:20	Furong Zhu
		|		15:40	Hiroyoshi Naito
				16:00	Cheolmin Park
				16:20	Tatsuo Mori
				16:40	Seunghyup Yoo
		17:00		17:00	Closing Remarks
17:30	A-COE Registration (Foyer, 1F) & Welcome Reception (Hybrid Space, 2F)	One hour bus ride to the banquet hall			
|		18:30	Banquet (The SODOH)		
20:00		| 20:30			

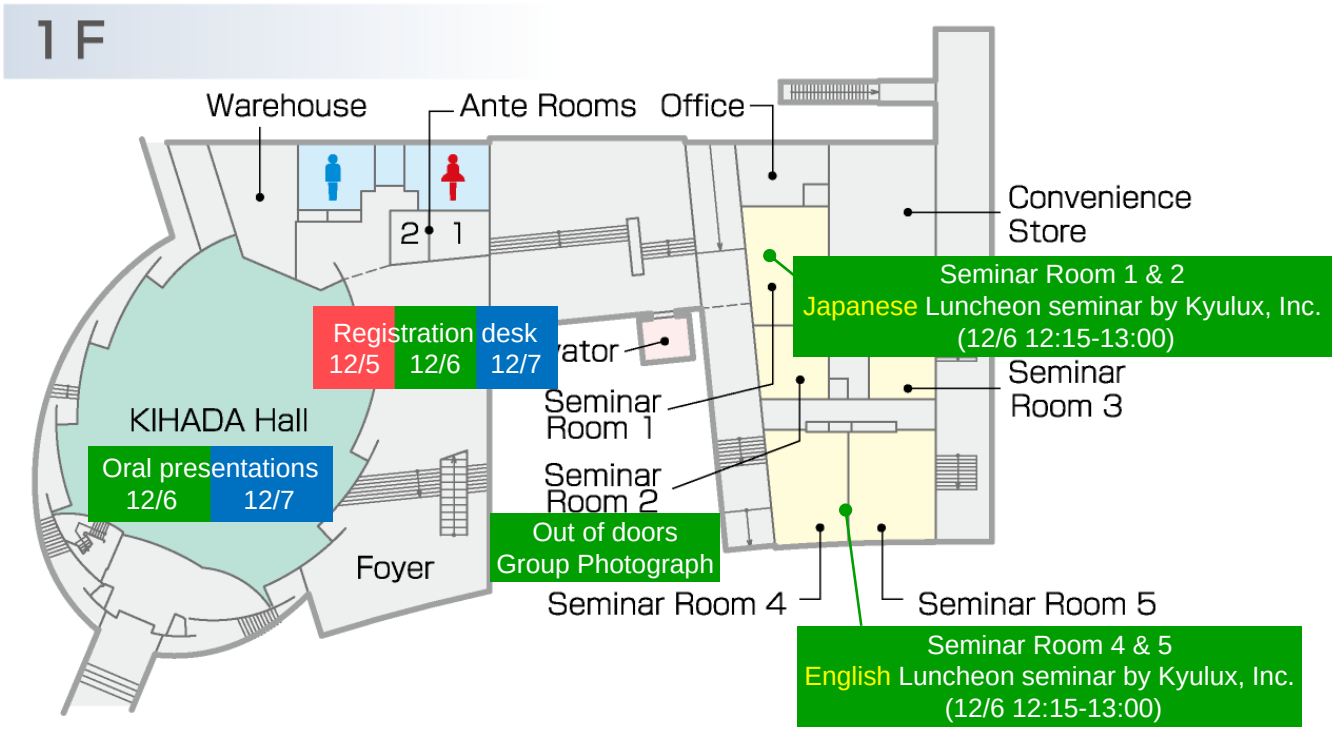
Venue map

Uji Obaku Plaza, Kyoto University

Information about the events:

12/5 (Mon) | 12/6 (Tue) | 12/7 (Wed)





— Conference Program —

December 5 (Mon)

17:30-20:00		Registration & Welcome Reception

December 6 (Tue)

8:30-9:35		Registration
9:35-9:40		Welcome Speech
		Chair : Junji Kido
9:40-10:00	I-01	**Chihaya Adachi**, Kyushu University, Japan Highly stable TADF-OLEDs and clarification of degradation mechanism
10:00-10:20	I-02	**Chung-Chih Wu**, National Taiwan University, Taiwan Efficient TADF-based OLEDs
10:20-10:40	I-03	**Hironori Kaji**, Kyoto University, Japan *In silico* material discovery toward highly efficient dry and wet processed OLEDs
		Chair : Chihaya Adachi
10:40-11:00	I-04	**Yun Chi**, National Tsing Hua University, Taiwan New Trends in the Design of Platinum(II) Based OLED Phosphors
11:00-11:20	I-05	**Juan Qiao**, Tsinghua University, China Near-infrared Organic and Hybrid Light-emitting Materials and Devices
11:20-11:40	I-06	**Jun Yeob Lee**, Sungkyunkwan University, Korea Molecular design approaches for improved lifetime in blue organic light-emitting diodes
11:40-12:00	I-07	**Hideyuki Murata**, JAIST, Japan Degradation analysis of organic light emitting diodes by steady-state and time-resolved photoluminescence spectroscopy
12:00-13:30		Group photograph / Lunch meeting
		Chair : Hironori Kaji
13:30-13:50	I-08	**Kilwon Cho**, Pohang University of Science and Technology, Korea Enhanced Photon Harvesting and Exciton Dissociation in Organic Solar Cells with Orientation-Controlled Photoactive Layer
13:50-14:10	I-09	**Jang-Joo Kim**, Seoul National University, Korea Quantitative Analysis of the Efficiency of OLEDs

14:10-14:30	I-10	**Dechun Zou**, Peking University, China Efficient Fiber-shaped Devices for Energy Conversion and Storage
14:30-14:50	I-11	**Chih-I Wu**, National Taiwan University and ITRI, Taiwan R2R production of Organic Light Emitting Diodes
14:50-15:10	I-12	**Hao-Wu Lin**, National Tsing Hua University, Taiwan All Vacuum Deposited Perovskite Solar Cells
15:10-15:30	I-13	**Tae-Woo Lee**, Seoul National University, Korea Next Generation LEDs: Organic-Inorganic Hybrid Perovskite Light-Emitting Diodes
15:30-17:00		Poster Presentation
18:30-20:30		Banquet

December 7 (Wed)

8:30-9:00		Registration
		Chair : Ken-Tsung Wong
9:00-9:20	I-14	**Nam-Gyu Park**, Sungkyunkwan University, Korea Non-stoichiometric Adduct Approach for Hysteresis-less, Stable, Highly efficient Perovskite Solar Cell
9:20-9:40	I-15	**Bin Hu**, University of Tennessee, USA Effects of Spin States in Perovskite Solar Cells and Light-emitting Devices
9:40-10:00	I-16	**Yabing Qi**, Okinawa Institute of Science and Technology, Japan A Surface Science Approach to Perovskite Solar Cell Research
10:00-10:20	I-17	**Hyun Suk Jung**, Sungkyunkwan University, Korea Interfacial Engineering for Enhancing Perovskite Solar Cell Performance
10:20-10:40		Coffee Break
		Chair : Jang-Joo Kim
10:40-11:00	I-18	**Tzung-Fang Guo**, National Cheng Kung University, Taiwan Lighting up hybrid perovskite-based light-emitting diodes
11:00-11:20	I-19	**Chih Wei Chu**, Research Center for Applied Sciences, Academia Sinica, Taiwan Towards Environmentally Compatible Molecular Solar Cells Processed from Halogen-Free Solvents
11:20-11:40	I-20	**Ken-Tsung Wong**, National Taiwan University, Taiwan Small Molecule-based Organic Solar Cells

11:40-12:00	I-21	**Jung-Yong Lee**, KAIST, Korea Highly efficient organic solar cells formed on an aqueous substrate
12:00-13:00		Lunch
		Chair : Tatsuo Mori
13:00-13:20	I-22	**Junji Kido**, Yamagata University, Japan
13:20-13:40	I-23	**Wen-Yi Hung**, National Taiwan Ocean University, Taiwan Exciplex-based white light organic light-emitting diode (WOLED)
		Chair : Hiroyoshi Naito
13:40-14:00	I-24	**Shun-Wei Liu**, Ming Chi University of Technology, Taiwan Near infrared organic upconversion devices for imaging application
14:00-14:20	I-25	**Chun-Sing Lee**, City University of Hong Kong, Hong Kong Biomedical applications of OLED and OPV molecules
14:20-14:40	I-26	**Tsuyoshi Sekitani**, Osaka University, Japan Soft gel electrodes and organic amplification circuits for bio-signal monitoring systems
14:40-15:00		Coffee Break
		Chair : Seunghyup Yoo
15:00-15:20	I-27	**Chien-Lung Wang**, National Chiao Tung University, Taiwan Influences of polymorphism and low-angle grain boundary on OFET performances
15:20-15:40	I-28	**Furong Zhu**, Hong Kong Baptist University, Hong Kong An insight on oxide interlayer in organic solar cells: From light harvesting, charge recombination and collection perspectives
15:40-16:00	I-29	**Hiroyoshi Naito**, Osaka Prefecture University, Japan Impedance spectroscopy for characterization of transport properties in organic devices
		Chair : Dechun Zou
16:00-16:20	I-30	**Cheolmin Park**, Yonsei University, Korea Non-volatile Polymer Electroluminescence Programmable with Ferroelectric Field-induced Charge Injection Gate
16:20-16:40	I-31	**Tatsuo Mori**, Aichi Institute of Technology, Japan Electrical Conduction of Devices Using Fluorinated Self-Assembled Monolayer and Application to Electron Current in Organic Light-Emitting Diodes
16:40-17:00	I-32	**Seunghyup Yoo**, KAIST, Korea Efficient flexible OLEDs based on graphene coupled with high- and low-index layers
17:00-17:10		Closing Remarks

Poster Presentations

P-1 **Improved light-extraction efficiency of OLEDs on flexible substrate with micro-texturing and nanoparticles**
So-Ra Shin, *Chonbuk National University*

P-2 **OLEDs with ultra-high thermal conductivity substrate**
Kenichi Atsumi, *Waseda University*

P-3 **Highly Efficient Sky-blue Phosphorescent OLED with over 34% of EQE using a Low Refractive Index Electron Transporting Material**
Hyun Shin, *Seoul National University*

P-4 **Highly Flexible, Transparent Conducting Silk Fibroin Paper for Organic Device Applications**
Kwang-Jae Lee, *Chonbuk National University*

P-5 **Improved Light Harvesting using Haze Film For Highly Efficient Organic Solar Cells**
Eun-bi Jeon, *Chonbuk National University*

P-6 **Linking the Silver Nanowire Matrices with Electrical-Driven Nanoparticle Nucleation**
Yu-Jeng Shiau, *National Tsing Hua University*

P-7 **Investigating Optical Out-coupling Efficiency of OLEDs Using Transparent Graphene Electrodes**
Nai-Wen Hu, *National Taiwan University*

P-8 **Manipulation of Silver Nanowire Direction for High Performance Transparent Electrodes**
Kai-Ming Chiang, *National Tsing Hua University*

P-9 **Magnesium-gold binary alloy for organic light-emitting diodes with high corrosion resistance**
Hiroya Arai, *Kyushu University*

P-10 **Carbazole dendrimers as thermally activated delayed fluorescence emitters with aggregation-induced emission enhancement property**
Kenichi Matsuoka, *Kyushu University* ,

P-11 **Highly Luminescent π-Conjugated Terpyridine Derivatives that Exhibit Thermally Activated Delayed Fluorescence**
Hisahiro Sasabe, *Yamagata University*

P-12 **Thermally Activated Delayed Fluorescent Emitters with Trifluoromethyl and Cyano Groups as Electron Acceptors**
Chih-Lun Yi, *National Taiwan University*

P-13 **Efficient and Tunable Photophysical and Electroluminescent Properties of TADF Emitters Having CN-Substituted Benzene, Pyridine and Pyrimidine Acceptor Units**
Kuan-Chung Pan, *National Taiwan University*

P-14 **Novel Series of Pyrimidine-Based Deep-Blue TADF Emitters Realizing EQE of 18% with CIE of (0.16,0.15)**
Tatsuya Ohsawa, *Yamagata University*

P-15 **Highly Efficient Blue TADF OLED Using Spiroacridine-Triazine Hybrids Having Nearly Unitary Photoluminescence and Preferential Horizontal Emitting Dipoles**
Ting-An Lin, *National Taiwan University*

P-16 **Highly efficient and stable blue organic light-emitting diodes based on blue thermally activated delayed fluorescence emitters**
Dongdong Zhang, *Tsinghua University*

P-17 **Triarylboron-based Thermally Activated Delayed Fluorescence Emitter Showing External Quantum Efficiencies Exceeding 20%**
Katsuaki Suzuki, *Kyoto University*

P-18 **Full-color emission control of OLED through aggregation induced exciplex formation**
Youichi Tsuchiya, *Kyushu University*

P-19 **Investigating nanostructures of thin films of Pt complexes by GIXS and fabrication of high efficiency non-doped OLEDs**
Wei-Kai Lee, *National Taiwan University*

P-20 **Full colors of visible spectrum emitted from tris-(8-hydroxyquinoline) aluminum (Alq_3) with metal-Alq_3-metal structure**
Chien-An Chi, *Chang Gung University*

P-21 **Twisted donor-acceptor molecules having bis(9-ethylcarbazol-3-yl)amino group**
Toru Yashima, *Osaka Kyoiku University*

P-22 **High-efficiency and low efficiency roll-off near-infrared fluorescent OLEDs through triplet fusion**
Jie Xue, *Tsinghua University*

P-23 **Vacuum co-deposition synthesis of ytterbium complex for near infrared organic light-emitting diodes**
Kazuya Jinnai, *Kyushu University*

P-24 **A Highly Twisted Green Fluorescent Bipolar Molecule Harnessing Both Thermally Activated Delayed and Exciplex Emissions**
Yi-Tzu Hung, *National Taiwan University*

P-25 **New Naphthyridine-based Bipolar Hosts for Highly Efficient Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes**
Tzu-Chin Yeh, *National Taiwan University*

P-26 **A Series of Dibenzofuran-containing Electron-Transporting Host Materials for Highly Efficient Deep Red OLEDs**
Takashi Ito, *Yamagata University*

P-27 **Effects of Conducting Polymers on light extraction of Organic Light-Emitting Devices**
Wen Wen, *Peking University*

P-28 **Low-temperature, printable phosphorescent polymer light-emitting transistors based on poly(alkylfluorene) doped with red phosphorescent dyes**
Hirotake Kajii, *Osaka University,*

P-29 **Performance of ITO/Ag/ITO anode compared to ITO in organic light emitting diodes with exciplex forming host**
Sajal Biring, *Ming-Chi University of Technology*

P-30 **Influence of Solution- and Thermal-annealing Processes on the Sub-nanometer-ordered Organic–Organic Interface Structure of Organic Light-Emitting Devices**
Satoru Ohisa, *Yamagata University*

P-31 **Investigating Effects of Electrode Thickness on Characteristics of Transparent Organic Light-Emitting Devices**
Yi-Ting Chen, *National Taiwan University*

P-32 **Evaluation of Characteristics on Inverted OLED using Ethoxylated Polyethylenimine**
Masato Sakaida, *Aichi Institute of Technology*

P-33 **Improved operation-lifetime for all-solution OLEDs with mixed hosts by blade coating**
Yu-Fan Chang, *National Chiao Tung University*

P-34 **Concentration-Quenching Mechanism of Thermally Activated Delayed Fluorescence from Intramolecular Donor–Acceptor Molecules**
Naoya Aizawa, *Kyushu University*

P-35 **Electronic transport measurements of TADF emitters based on carbazolyl dicyanobenzene using inverted organic light-emitting diode structure**
Junya Hasegawa, *Osaka Prefecture University*

P-36 **Combination of an exciplex host and a TADF dopant for efficient fluorescent OLEDs with low roll-off.**
Chang-Ki Moon, *Seoul National University*

P-37 **Triplet-Triplet Annihilation in Thermally Activated Delayed Fluorescence Doped Thin Films with Low-Doping Concentrations**
Akitsugu Niwa, *Osaka Prefecture University*

P-38 **Does exciplex diffuse?**
Hwang-Beom Kim, S*eoul National University*

P-39 **Effects of permittivity of a host matrix on the photoluminescence properties of a thermally activated delayed fluorescence emitter**
Shota Haseyama, *Osaka Prefecture University*

P-40 **A Methodology for Accurate Measurement of Near Infrared Emission Organic Thin Films and Devices**
Tsu-Yu Chou, *National Tsing Hua University*

P-41 **Electronic transport properties in inverted organic light emitting diodes studied in terms of impedance spectroscopy**
Makoto Takada, *Osaka Prefecture University*

P-42 **Accelerating Organic Optoelectronic Materials Development using Atomic-scale Simulation**
Mathew D. Halls, *Schrödinger Inc.*

P-43 **pMAIRS Study of Film Structure of Thiophene-Based Polymers**
Nobutaka Shioya, *Kyoto University*

P-44 **Efficient Perovskite Solar Cells Fabricated by Alternative Lead Precursors**
Lin Yang, *National Tsing Hua University*

P-45 **$CH_3NH_3PbI_3$ perovskite solar cells employing Cu-phthalocyanine doped poly-3-hexylthiophene hole-transporting layer**
Vincent Obiozo Eze, *Aichi Institute of Technology*

P-46 **Work Function Tunable Hole Transporting Layers for Chemical Vapor Deposited Perovskite Solar Cells**
He-Jyun Jhou**,** *National Tsing Hua University*

P-47 **Effects of Alkoxy Chain Lengths in Hole-Transporting Materials for Highly Efficient Perovskite Solar Cells**
Jaehyun Lee, *Kyoto University*

P-48 **Hole Transporting Layers for Efficient Inverted Perovskite Solar Cells**
Wei-Hung Lee, *National Tsing Hua University*

P-49 **Fabrication Engineering of All-Vacuum Deposited Perovskite Solar Cells**
Sheng-Yi Hsiao, *National Tsing Hua University*

P-50 **High efficient Planner and Fiber-shaped perovskite solar cells**
Si Chen, *Peking University*

P-51 **Stability issues in perovskite-based solar cells**
Luis K. Ono, *Okinawa Institute of Science and Technology Graduate University*

P-52 **The study on inverted perovskite solar cells**
Nan-Hung Kuo, *National Dong Hwa University*

P-53 **Equivalent circuit representation of hysteresis in solar cells caused by interface charge accumulation**
Kazuhiko Seki, *National Institute of Advanced Industrial Science and Technology*

P-54 **Crystallinity and defect structures of methyl ammonium lead halide perovskite films constituting perovskite solar cells**
Hironori Ogata, *Hosei University*

P-55 **Perovskite Dim Light Energy Harvesters for Internet of Things Applications**
Chien-Yu Chen, *National Tsing Hua University*

P-56 **Perovskite Photodetectors with Low Dark Currents**
Wei-Lun Tsai, *National Tsing Hua University*

P-57 **Highly Emissive Perovskite Quantum Dots**
Shu-Wen Dai, *National Tsing Hua University*

P-58 **Stable α/δ phase junction of formamidinium lead iodide perovskites for enhanced near-infrared emission**
Fusheng Ma, *Tsinghua University*

P-59 **Highly Emissive Perovskite Thin Films**
Yu-ting Wen, *National Tsing Hua University*

P-60 **Tuning the Emission of Perovskite Quantum Dots Towards the Blue Region**
Bo-Wei Hsu, *National Tsing Hua University*

P-61 **Organic-inorganic perovskite field-effect transistors**
Toshinori Matsushima, *Kyushu University*

P-62 **Development of Thermally-Durable and Printable Small-Molecule Organic Semiconductors**
Satoru Inoue, *Nippon Kayaku Co., Ltd.*

P-63 **Ambipolar Organic Field-Effect Transistors based on Thienoisoindigo Analogs**
Dongho Yoo, *Tokyo Institute of Technology*

P-64 **Emission Properties of Organic Oligomer Crystals Having One-Dimensional Diffraction Gratings on Their Surface**
Takeshi Yamao, *Kyoto Institute of Technology*

P-65 **Molecular Structual Analysis and Control of Solution- and Dry-processed ZnTPP Thin Films Using pMAIRS and GIXD**
Miyako Hada, *Kyoto University*

P-66 **An Effective π-Extended Squaraine for Solution-processed Organic Solar Cell with High Efficiency**
Daobin Yang, *Yamagata University*

P-67 **Regioisomeric-Tunable Thienoindole-Based Donors for Efficient Donor-Acceptor-Acceptor Small-Molecule Organic Solar Cells**
Han Han, *National Taiwan University*

P-68 **Heterojunction Photovoltaic Cells Consisting of 5,5'-Di(4-biphenylyl)-2,2'-bithiophene and 3,4,9,10-perylenetetracarboxylic bis-benzimidazole**
Hitoshi Mizuno, *Shimane University*

P-69 **Investigations of the properties for different electron transport layers in inverted polymer solar cells**
Hong-Wei Huang, *National Dong Hwa University*

P-70 **Halogen-free solution process for organic photovoltaics with donor polymer absorbing short-wavelength light**
Tsutomu Miura, *Kyoto University*