

| Wednesday June 21 | | |
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| Room: A | | |
| 8:55-9:00AM | Opening Ceremony | |
| Session: Materials for power generation& Complex Oxide Heterostructures Chair: Toni Shiroka | | |
| 9:00-9:25AM | A01: Modulation bipolar doping in AlGaAs/InAs quantum dot infrared photodetectors | Vladimir Mitin University at Buffalo, The State University of New York, USA |
| 9:25-9:50AM | A02: ALD Grown Functional Oxides for Electronic Applications | Ole Bethge Institut of Solid State Electronics, Technische Universität Wien, Austria |
| 9:50-10:15AM | A03: Valley-spin Spintronics and Caloritronics in heavy group-IV monolayers | Xuechao Zhai Nanjing University of Posts and Telecommunications, China |
| 10:15-10:30AM | Session Break | |
| Session: Iron and Iridium based Superconductivity Chair: Vladimir Mitin | | |
| 10:30 -10:55AM | A04: FeSe study from bulk crystal to single-layer | Shin-ichi Shamoto Advanced Science Research Center, Japan Atomic Energy Agency (JAEA), Japan |
| 10:55-11:20AM | A05: The structural route to high-Tc superconductivity: the case of ThFeAsN | Toni Shiroka ETH Zürich Hönggerberg, Switzerland |
| 11:20-11:45AM | A06: Effect of impurity atoms on the band structure of the FeSe systems | Hidetomo Usui Osaka University, Japan |
| 11:45-12:10AM | A07: Superconductivity in noncentrosymmetric transition-metal compounds | Masaaki Isobe National Institute for Materials Science, Japan |
| 12:10-14:00 PM | Lunch Break | |

Wednesday June 21**Room: A****Session: Nanofabrication Chair: Chung-Li Dong**

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| 14:00 -14:25PM | A08: Unlocking Catalytic Activities of Earth Abundant Materials for Energy Conversion Applications | Huijun Zhao Griffith University, Gold Coast Campus, Australia |
| 14:25 -14:50PM | A09: Microcolumn structural characteristics of chromatography on the separation properties of breath VOCs | Hairong Wang Xi'an Jiaotong University, China |
| 14:50 -15:15PM | A10: Polymer Pattern Deformation during Demolding Process in Nanoimprint Lithography | Qing Wang Shandong University of Science and Technology, China |
| 15:15 -16:00PM | Session Break & Poster | |
| Session: General& Nanostructured Materials Chair: Huijun Zhao | | |
| 16:00-16:25PM | A11: Recent Advances in Materials for Printed Electronics | Beng Ong HK Baptist University, Hong Kong |
| 16:25P-16:50PM | A12: Tracking electronic and atomic structures evolutions of energy materials with in situ/operando x-ray spectroscopy | Chung-Li Dong Tamkang University, Taiwan |
| 16:50-17:15PM | A13: Advances in Printing Technology of Planar Phosphors for White Light-Emitting Diodes | Yong Soo Cho Yonsei University, Korea |
| 17:15-17:40PM | A14: TERAHERTZ DEVICES BASED ON GRAPHENE: ROLE OF RESONANT PLASMONS | Vladimir Mitin University at Buffalo, The State University of New York, USA |
| 18:00PM | Dinner Social | |

Wednesday June 21
Poster session (15:15 -16:00PM)

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| P01 | Novel hybrid organic-inorganic lead and tin halide perovskites with heterocyclic cations (CH ₂) _n NH ₂ ⁺ and (CH ₂) _n OH ⁺ , (n=2-6): Ab initio study. | Ruslan Kevorkyants St. Petersburg State University, St. Petersburg, Russia |
| P02 | Synthesis, Characterization and Photocatalytic Applications of the Ag-Modified Bismuth Titanate | Ying-Hsiu Liao National Chung-Hsing University, Taiwan |
| P03 | Synthesis of fluorine-doped tin oxide on NiCrAl foam using the ultrasonic spray pyrolysis for steam methane reforming | Dong-Yo Shin Seoul National University of Science and Technology, Korea |
| P04 | An optical detection system of organic matters in water | Chihoon Kim Chonnam National University, Korea |
| P05 | Hydrothermally deposited NiWO ₄ on Carbon cloth as binder free electrode for supercapacitors. | Chihoon Kim Chonnam National University, Korea |
| P06 | Fabrication of Amorphous Manganese Oxide using hydrothermal synthesis for supercapacitor | Seung Jin Lee Chonnam National University, Korea |
| P07 | Highly Sensitive Flexible Tactile Sensor Using Si Nanowire | Heejo An Chonnam National University, Korea |
| P08 | The influence of Sc/V codoping on photocatalytic activity of TiO ₂ | Anna Murashkina St. Petersburg State University, Russia |

| Thursday June 22 | | |
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| Room: A | | |
| Session: Topological Insulators Chair: Beng Ong | | |
| 9:00-9:25AM | A15: Emergent spin-valley-orbital physics by cluster multipoles | Satoru Hayami Hokkaido University, Japan |
| 9:25-9:50AM | A16: Topological Materials | Hsin Lin National University of Singapore, Singapore |
| 9:50-10:15AM | A17: Crystal-field mediated topological Dirac states in transition metal dichalcogenides | Mohammad Saeed Bahramy The University of Tokyo, Japan |
| 10:15-10:30AM | Session Break | |
| Session: Solar Cells and Photocatalysis I Chair: Rana Biswas | | |
| 10:30 -10:55AM | A18: Organic nanophotovoltaics: from the fundamental carrier transport to commercial aspects | Vaidotas Kažukauskas Vilnius University, Lithuania |
| 10:55-11:20AM | A19: Organic-linkage Assisted Heterogeneous Catalysis for Selective Transformations with Precious Monometals | Nishimura Shun School of Materials Science (Materials Chemistry), JAIST, Japan |
| 11:20-11:45AM | A20: Silicon as a bottom cell in tandem water splitting devices | Brian Seger Technical University of Denmark, Denmark |
| 11:45-14:00 PM | Lunch Break | |
| 14:00PM-20:00PM | Half Day Tanah Lot Tour+ Dinner social | |

| Friday June 23 | | |
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| Room: A | | |
| Session: Solar Cells and Photocatalysis II Chair: Brian Seger | | |
| 9:00-9:25AM | A21: Advances in New Generation Photoactive Materials | Alexei Emeline Saint-Petersburg State University, Russia |
| 9:25-9:50AM | A22: Nanomaterials for Perovskite Solar Cell Application | Tingli Ma Kyushu Institute of Technology, Japan |
| 9:50-10:15AM | A23: Pathways for enhancing thin film solar cells | Rana Biswas Iowa State University, USA |
| 10:15-10:30AM | Session Break | |
| 10:30 -10:55AM | A24: Orgnaic photovoltaic materials for fullerene and nonfullerene OPV applications | Han Young Woo Korea University, Korea |
| 10:55-11:20AM | A25: Electronic Structure and Photocatalytic Mechanism of Graphitic Carbon Nitride Modified with Plasmonic Ag@SiO2 Core-shell Nanoparticles by X-ray Adsorption Spectroscopy | Yu-Cheng Huang National Chiao Tung University, Taiwan |
| 11:20-11:45AM | A26: Artificial Photosynthesis via Solar Light Driven CO2 Reduction into Methanol | Young Soo Kang Sogang University, Korea |
| 11:45-12:10AM | A27: An insight on oxide interlayer in organic solar cells: From light harvesting, charge recombination and collection perspectives | Furong Zhu Hong Kong Baptist University, Hong Kong |
| 12:10-12:35AM | A28: Effects of Impurity Doping at ppm Level in Photovoltaic Organic Semiconductors | Masahiro Hiramoto Institute for Molecular Science, NINS, Japan |
| 12:35-14:00 PM | Lunch Break | |
| 14:00PM-20:00PM | Half Day Uluwatu Sunset Tour +Dinner social | |

| Saturday June 24 | |
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| 9:00AM-18:00PM | One-day excursion (Full Day Bounty Cruise to Lembongan Island) |