

IPS-24/ICARP2024 Young, 27-28th July 2024, Hiroshima, Japan

Time table

Saturday, July 27, 2024		
12:00	13:00	Registration, Refreshments
13:00	13:10	Opening Remarks
Session I (Chair: Kei Murata/Kosei Yamauchi)		
13:10	13:40	Invited Lecture 1: Yuki Nagashima / Tokyo Institute of Technology Development of photoinduced reactions utilizing the characteristics of diverse elements
13:40	14:00	Oral 1: Shozo Yanagida / Osaka University How can perovskite solar cells achieve long-term durability? Prediction and verification using density functional theory-based molecular modeling (DFT/MM)
14:00	14:20	Oral 2: Hiromu Kumagai / The University of Tokyo Introduction of Renewable Fuels to Japan: Concept and Current Situation
14:20	14:35	Coffee Break
Session II (Chair: Yosuke Kageshima)		
14:35	14:50	Student Oral 1: Xinyang Huang / Niigata University Ligand-assisted fabrication of Transparent Mesoporous FeNiOx Films for Efficient Electrocatalytic Water Oxidation
14:50	15:05	Student Oral 2: Tomohiro Katsuki / Niigata University Efficient visible-light-driven water oxidation on a Fe-doping SnOx layer deposited on a CuWO4 photoanode
15:05	15:20	Student Oral 3: Fan Feng / Johannes Gutenberg University Mainz High-Performance BiVO4 Photoanodes: Elucidating the Combined Effects of Mo-Doping and Modification with Cobalt Polyoxometalate
15:20	15:35	Student Oral 4: Shinichi Fujiwara / Chuo University Convolutional Neural Network Prediction of the Photocurrent–Voltage Curve directly from Scanning Electron Microscopic Image for Hematite
15:35	15:50	Coffee Break
Session III (Chair: Yuta Tsubonouchi)		
15:50	16:05	Student Oral 5: Philip Petzoldt / Technical University of Munich The Benefits of Employing Surface Science in Photocatalysis
16:05	16:20	Student Oral 6: Makoto Ogawa / Kyoto University Flux-Assisted Synthesis of Layered Perovskite Oxyiodide for Improved Photocatalytic Water Oxidation under Visible Light
16:20	16:35	Student Oral 7: Ren Itagaki / Kyoto University Utilizing Water as an Electron Source for Organic Photoredox Catalysis with Phase-Migrating Electron Mediators in a Biphasic Solution
16:35	16:50	Coffee Break
Session IV (Chair: Yasuomi Yamazaki)		
16:50	17:05	Student Oral 8: Dongseob Lee / Kyushu University Improved Formate Selectivity and Reduced Hydrogen Evolution in Rhodium-Based Photocatalytic CO2 Reduction using Hydroxyl-Functionalized bpy Ligands
17:05	17:20	Student Oral 9: Su Shu Zhang / Huazhong University of Science and Technology Identifying and eliminating the interference of surface carbon residues with CO2 conversion on photocatalyst
17:20	17:35	Student Oral 10: Kengo Nagatsuka / Tokyo University of Science Photoelectrochemical Green Raw Materials Production from H2O and CO2 under Visible Light Irradiation Using Conductive Polymer/Metal Sulfide-Composited Photocathodes
17:35	17:50	Photo Session
17:50	20:00	Poster Session
Sunday, July 28, 2024		
9:30	9:40	Announcement of Award Winner and Celemony
Session V (Chair: Takashi Nakazono)		
9:40	10:00	Oral 3: Mitsuo Shoji / University of Tsukuba O-O bond formation promoted by a phenol radical in a ruthenium complex
10:00	10:20	Oral 4: Yuta Tsubonouchi / Niigata University Efficient intramolecular O-O bond formation promoted by diruthenium water oxidation catalysts with vicinal aquo and hydroxo groups
10:20	10:40	Oral 5: Kiyoshi Miyata / Kyushu University Ultrafast spectroscopy of Photoexcitation and One-Electron Reduction Processes of a CO2 Photoreduction Dyad Catalyst Having a Zinc(II) Porphyrin Photosensitizer
10:40	11:00	Coffee Break
Session VI (Chair: Akinobu Nakada / Kiyoshi Miyata)		
11:00	11:30	Invited Lecture 2: Charles McCrory / University of Michigan Electrochemical CO2 Reduction with Polymer-Catalyst Composites: Translating Polymer-Effects from Aqueous-Phase Batch Cells to Gas-Fed Flow Electrolyzers
11:30	12:00	Invited Lecture 3: Haiming Zhu / Zhejiang University Singlet Fission Enhanced Photocharge Generation at Organic/Inorganic Interface
12:00		Closing Remarks