

Oral Session

| Keynote/Invited | Presentation NO | Presentation date | Time to start | Time to finish | Account: First name | Account: Middle name | Account: FAMILY NAME | Account: Affiliation | Abstract title |
|---|-----------------|-------------------|---------------|----------------|---------------------|----------------------|----------------------|---|---|
| Chairperson: (Name, Affiliation) | | | | | | | | | |
| | B-3-O27-001 | 27 Sep. | 9:00 | 9:15 | Seiji | | KAWASAKI | University of Tokyo | In-situ Observation of Occupied and Unoccupied States of a Photocatalyst in Water |
| | B-3-O27-002 | 27 Sep. | 9:15 | 9:30 | Ladislav | | KAVAN | J Heyrovsky Institute of Physical Chemistry | Photocatalytic and Catalytic Processes on 18O-labeled Titanium Dioxide |
| Keynote | B-3-K27-003 | 27 Sep. | 9:30 | 10:10 | Jean-Marc | | CHOVELON | University of Lyon 1 - CNRS, | What are the main factors limiting the industrial implementation of photocatalytic reactors for wastewater treatment and what are solutions to tackle them? |
| Coffee break | | 27 Sep. | 10:20 | 10:30 | | | | | |
| | B-3-O27-004 | 27 Sep. | 10:30 | 10:45 | Sayaka | | YANAGIDA | Tokyo University of Science | Photocatalytic Decomposition of Gaseous Ammonia by Tungstophosphoric acid-TiO ₂ Composites |
| Keynote | B-3-K27-005 | 27 Sep. | 10:45 | 11:25 | Murugesan | | VELAYUTHAM | Anna University | Nano semiconducting materials: synthesis, characterisation and application in the abatement of water pollution |
| | B-3-O27-006 | 27 Sep. | 11:30 | 11:45 | Philip | Chijui | LIANG | NASA Ames Research Center | Photoreduction of Carbon Dioxide to Methane Fuel |
| Keynote | B-3-K27-007 | 27 Sep. | 11:45 | 12:25 | Hiroshi | | IRIE | University of Yamanashi | Solar Hydrogen Production Utilizing Visible-Light Sensitive Photocatalysts |
| Lunch | | 27 Sep. | 12:25 | 13:30 | | | | | |
| Chairperson: (Name, Affiliation) | | | | | | | | | |
| | B-3-O27-008 | 27 Sep. | 13:30 | 13:45 | Pathinettam Padiyan | | D | Manonmaniam Sundaranar University | Influence of Annealing on the Photoconversion Efficiency of Titania Nanotube Arrays |
| | B-3-O27-009 | 27 Sep. | 13:45 | 14:00 | Yuma | | MATSUMOTO | Tokai university | Water Splitting Activity of Brookite, Bronze, Anatase and Rutile Type Titanium Dioxide |
| | B-3-O27-010 | 27 Sep. | 14:00 | 14:15 | Yupeng | | ZHANG | Wuhan University | The Application of TiO ₂ /Graphene Composites in Photocatalysis |
| | B-3-O27-011 | 27 Sep. | 14:15 | 14:30 | Masahiro | | MIYAUCHI | Tokyo Institute of Technology | Layered Thin Film for Visible-light-driven Superhydrophobicity |
| | B-3-O27-012 | 27 Sep. | 14:30 | 14:45 | Soon-Gil | | YOON | School of Nano Science and Technology | Enhanced photoelectrochemical activity of the TiO ₂ /ITO/SWCNT nanocomposites grown at a low temperature by nano-cluster deposition |
| | B-3-O27-013 | 27 Sep. | 14:45 | 15:00 | Jean-Jacques | | DELAUNAY | The University of Tokyo | Metal-oxynitride core-shell nanowire array on film structure for efficient solar water splitting |
| Coffee break | | 27 Sep. | 15:00 | 15:15 | | | | | |
| Chairperson: (Name, Affiliation) | | | | | | | | | |
| | B-3-O27-014 | 27 Sep. | 15:15 | 15:30 | Wei | | WANG | Institute of Materials Research and Engineering | Nanostructured Hematite Film for Efficient Photoelectrochemical Water Oxidation |
| | B-3-O27-015 | 27 Sep. | 15:30 | 15:45 | Tsutomu | | MINEGISHI | The University of Tokyo | Stable water splitting using copper gallium selenides as a photocathode under visible-light irradiation |
| Keynote | B-3-K27-016 | 27 Sep. | 15:45 | 16:25 | Gopinath | Subramanian | CHINNAKONDA | National Chemical Laboratory | Electronic Structure and Morphology of N-Doping in ZnO and TiO ₂ |
| | B-3-O27-017 | 27 Sep. | 16:30 | 16:45 | Li-Chia | | TIEN | National Dong Hwa University | Effect of defects on photocatalytic activity of beta-Ga ₂ O ₃ nanobelts |
| | B-3-O27-018 | 27 Sep. | 16:45 | 17:00 | Hajime | | KIYONO | Shibaura Institute of Technology | Fabrication of Size and Shape Controlled GaN Materials by NH ₃ Nitridation of Ga ₂ O ₃ Powder |
| | B-3-O27-019 | 27 Sep. | 17:00 | 17:15 | Kong-Wei | | CHENG | Chang Gung University | Photoelectrochemical Study of ZnIn ₂ S ₄ Electrodes Fabricated Using the Sulfurization of Zn-In Metal Precursors |
| | B-3-O27-020 | 27 Sep. | 17:15 | 17:30 | Hector | Alfredo | CALDERON | ESFM-IPN | Electron Microscopy Characterization of Hybrid [ZnS(en) _{0.5}]x [CdS]1-x Heterostructures |
| | B-3-O27-021 | 27 Sep. | 17:30 | 17:45 | Takaya | | AKASHI | Hosei University | Mounting of ZrO ₂ Nanoparticles on Ni Alloy Plate via Al Coating Layer and its Wear Resistance |

Poster Session

| Presentation NO | Presentation date | Time to start | Time to finish | Account: First name | Account: Middle name | Account: FAMILY NAME | Account: Affiliation | Abstract title |
|-----------------|-------------------|---------------|----------------|---------------------|----------------------|----------------------|--|--|
| B-3-P26-001 | 26 Sep. | 16:30 | 18:30 | Masaaki | | ISAI | Shizuoka University | Co-catalytic effect on improving the photocatalytic properties of TiO ₂ films |
| B-3-P26-002 | 26 Sep. | 16:30 | 18:30 | Yuichi | | YAMAGUCHI | Kanagawa Academy of Science and Technology | Photocatalytic Oxidative Decomposition of Acetaldehyde with TiO ₂ -WO ₃ Mesoporous Particles Prepared by Electrospray and Hydrothermal Treatment |
| B-3-P26-003 | 26 Sep. | 16:30 | 18:30 | Xudong | | JIANG | Wuhan University | Surface Modified TiO ₂ by Hydrogenation: Preparation, Characterization and Photocatalytic Property |
| B-3-P26-004 | 26 Sep. | 16:30 | 18:30 | Seiya | | OGOE | Kanagawa Institute of Technology | Relation between surface orientation and photocatalytic activity of the rutile TiO ₂ single crystal |
| B-3-P26-005 | 26 Sep. | 16:30 | 18:30 | Yoichi | | HOSHI | Tokyo Polytechnic University | New oxygen radical source using selective sputtering of oxygen atoms for the high rate deposition of TiO ₂ films |
| B-3-P26-006 | 26 Sep. | 16:30 | 18:30 | Yujiro | | SAWA | Tokyo University of Science | Photocatalytic decomposition of 2-propanol by TiO ₂ -Zeolite-Glass composite |
| B-3-P26-007 | 26 Sep. | 16:30 | 18:30 | Yoshiyuki | | SUGAHARA | Waseda University | Preparation of TiO ₂ /Epoxy Hybrid Films using TiO ₂ Nanoparticles Fabricated by Non-hydrolytic Sol-Gel Process |
| B-3-P26-008 | 26 Sep. | 16:30 | 18:30 | Kong-Wei | | CHENG | Chang Gung University | Photoelectrochemical Performance of Cu-Zn-In-S Film Grown Using One-step Electrodeposition |
| B-3-P26-009 | 26 Sep. | 16:30 | 18:30 | Masaki | | KAKIAGE | Saitama University | Preparation of Turbostratic Boron Nitride Powder via Precursor Compound Formation and Impurity Segregation Processes from Boric Acid and Urea |
| B-3-P26-010 | 26 Sep. | 16:30 | 18:30 | Rami | | ALJODAIBI | Kanagawa Institute of Technology | A Novel Unconventional Synthesis and Characterization of Bulk Gallium Nitride |
| B-3-P26-011 | 26 Sep. | 16:30 | 18:30 | Tetsuo | | UMEGAKI | Faculty of Science & Engineering, Nihon University | In-situ synthesized hollow nickel-silica spheres for hydrolytic dehydrogenation of ammonia borane |
| B-3-P26-012 | 26 Sep. | 16:30 | 18:30 | Naruhito | | KATAGIRI | Nagoya Institute of Technology | Synthesis and Magneto-Optical Properties of Bi ₃ (FeGa) ₅ O ₁₂ on Glass Substrate Prepared by MOD Technique |
| B-3-P26-013 | 26 Sep. | 16:30 | 18:30 | Anukorn | | PHURUANGRAT | Prince of Songkla University | Controlling morphologies of flower-like hexagonal prisms and hexagonal pyramids ZnO microstructures by microwave radiation method |
| B-3-P26-014 | 26 Sep. | 16:30 | 18:30 | Soichi | | TAKASUGI | Tokai University | Synthesis of LiTaO ₃ by solvothermal method and their water splitting activity |
| B-3-P26-015 | 26 Sep. | 16:30 | 18:30 | Ikuo | | YANASE | Saitama University | Structural phase transition of (Ga,Co,Zr)-substituted Al ₂ Mo ₃ O ₁₂ and Al ₂ W ₃ O ₁₂ compounds |
| B-3-P26-016 | 26 Sep. | 16:30 | 18:30 | Kazuhisa | | KISHIDA | Meiji university | Enhanced hydrogen evolution of Ta ₃ N ₅ photocatalyst by ammonothermal treatment |
| B-3-P26-017 | 26 Sep. | 16:30 | 18:30 | ANANDAN | | SRINIVASAN | Kanagawa Institute of Technology | Microwave assisted synthesis of visible-light driven photocatalysts |
| B-3-P26-018 | 26 Sep. | 16:30 | 18:30 | Yasuro | | IKUMA | Kanagawa Institute of Technology | Surface x-ray diffraction study of rutile TiO ₂ (001) |