



OIST

June 2-5, 2026

# Advances in Photoemission Techniques Workshop

Short Program

	Wednesday June 3	Thursday June 4	Friday June 5
08:10–08:50	Registration		
08:50–09:00	Opening remarks		
09:00–09:40	Ryo Noguchi	Yukiko Yamada-Takamura (online)	Andreas Santander-Syro
09:40–10:10	Taiga Nakamoto	Satoshi Ogawa	Fei Wang (online)
10:10–10:40	Coffee break		
10:40–11:20	Shunsuke Tsuda	Kyoko Ishizaka	Keshav Dani
11:20–11:50	Anup Pradhan Sakhya (online)	Suvadip Das (online)	Xing Zhu
11:50–13:20	Lunch break		
13:20–14:00	Ruotian Chen	Hongyun Zhang	Lab Tour
14:00–14:30	Yaolong Li	Sougen Furuya	
14:30–15:00	Keiki Fukumoto	Hejime Galif	
15:00–15:30	Coffee break		
15:30–16:10	Shin-ichiro Ideta (online)	Gong Chen	
16:10–16:40	Tzu Hung Chuang (online)	Makoto Kuwahara (online)	
16:40–17:10	Workshop photo	Yuichi Ishida	
17:10–17:30	Coffee break	Masaki Hada	
17:30–18:30	Poster	break	
18:30–20:00	Poster + dinner	Banquet	
20:00–20:30			

**Notice:-**

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## Wednesday, June 3 (Seminar Room Lab4 E48)

08:10–08:50	<b>Registration (Outside L4E48)</b>
08:50–09:00	<b>Opening remarks</b>
09:00–09:40	<b>Ryo Noguchi (invited)</b> , National Taiwan University <i>Robustness of topological band structures in low-dimensional materials investigated by ARPES</i>
09:40–10:10	<b>Taiga Nakamoto</b> , University of Tokyo <i>Photoemission Signature of Photo-Induced Carriers and Excitons in One-Dimensional Mott Insulators</i>
10:10–10:40	<b>Coffee break</b>
10:40–11:20	<b>Shunsuke Tsuda (invited)</b> , NIMS <i>Development and Application of an imaging type Spin-Resolving Photoemission Microscope</i>
11:20–11:50	<b>Anup Pradhan Sakhya (online)</b> , Research Institute for Synchrotron Radiation Science, Hiroshima University <i>Rich Electronic Topography of <math>\text{LnTi}_3\text{Bi}_4</math>: Dirac Physics, Flat Bands, and Electronic Anisotropy</i>
11:50–13:20	<b>Lunch break (Lab4 F44/45)</b>
13:20–14:00	<b>Ruotian Chen (invited)</b> , Dalian Institute of Chemical Physics <i>Unraveling Charge-Transfer Mechanisms in Photocatalysts by Time-Resolved Photoemission Electron Microscopy</i>
14:00–14:30	<b>Yaolong Li</b> , Hokkaido University <i>Probing metallic and dielectric near-field modes with TR-PEEM</i>
14:30–15:00	<b>Fukumoto Keiki</b> , High Energy Accelerator Research Organization (KEK) <i>Operando Femtosecond Photoemission Electron Microscopy for Visualizing Carrier Motion in Semiconductor Devices</i>
15:00–15:30	<b>Coffee break</b>
15:30–16:10	<b>Shin-ichiro Ideta (online) (invited)</b> , Hiroshima University <i>Recent Developments of High-Resolution ARPES Beamlines at HiSOR and Future Plan for Upgrade</i>
16:10–16:40	<b>Tzu Hung Chuang (online)</b> , National Synchrotron Radiation Research Center <i>Multimodal soft X-ray photoelectron microscopy at the Taiwan Photon Source</i>
16:40–17:10	<b>Workshop photo</b>
17:10–17:30	<b>Coffee Break at Lab5 D02-04 Atrium</b>
17:30–20:00	<b>Poster Session + dinner at Lab5 D02-04 Atrium</b>
20:10	<b>Taxi pickup</b>

## Thursday, June 4 (Seminar Room Lab4 E48)

09:00–09:40	<b>Yukiko Yamada-Takamura (online) (invited)</b> , JAIST <i>Dynamics of excitonic complexes in heavily n-doped monolayer semiconductor</i>
09:40–10:10	<b>Satoshi Ogawa</b> , Nagoya University <i>X-ray Photoelectron and Absorption Spectroscopy of Metal Nanoparticles</i>
10:10–10:40	<b>Coffee break</b>
10:40–11:20	<b>Kyoko Ishizaka (invited)</b> , RIKEN <i>Investigating 2D topological materials by laser micro-ARPES</i>
11:20–11:50	<b>Suvadip Das (online)</b> , BITS Pilani Hyderabad <i>Optical properties, Electron-phonon coupling and Spin fluctuations in 2D Quantum Materials</i>
11:50–13:20	<b>Lunch break (Lab4 F44/45)</b>
13:20–14:00	<b>Hongyun Zhang (invited)</b> , Tsinghua University <i>Flat bands engineering in rhombohedral graphene</i>
14:00–14:30	<b>Sougen Furuya</b> , The University of Tokyo <i>Flat-Band Superconductivity in Spinel Oxide LiTi<sub>2</sub>O<sub>4</sub> Revealed by High-Resolution Laser ARPES</i>
14:30–15:00	<b>Hejime Galif</b> , Nagoya University/Graduate School of Engineering <i>Multimodal In-situ Characterization of Interfacial Evolution during Thermal Treatment of Co-Catalyst/Semiconductor Hybrid Photocatalysts and Its Impact on Visible-Light Activity</i>
15:00–15:30	<b>Coffee break</b>
15:30–16:10	<b>Gong Chen (invited)</b> , Nanjing University <i>Imaging and Engineering Interfacial Chirality with Spin-Polarized Low Energy Electron Microscopy</i>
16:10–16:40	<b>Makoto Kuwahara (online)</b> , Nagoya University <i>Photoemission electron source using a negative electron affinity surface for novel transmission electron microscopy</i>
16:40–17:10	<b>Yuichi Ishida</b> , Nagoya University <i>Evaluation of a high-speed electron detection camera using pulsed TEM</i>
17:10–17:40	<b>Hada Masaki</b> , University of Tsukuba <i>Ultrafast Structural Dynamics of Materials and Molecules Observed by Time-resolved Electron Diffraction</i>
18:30–20:30	<b>Banquet</b> <i>Umusan no niwa</i> <i>Excursion bus goes directly from Ocean Expo Park to dinner venue</i>
20:40	<b>Taxi pickup</b>

## Friday, June 5 (Seminar Room Lab4 E48)

09:00–09:40	<b>Andreas Santander-Syro (invited)</b> , Université Paris-Saclay <i>Imaging the itinerant-to-localized transmutation of electrons across the metal-to-insulator transition</i>
09:40–10:10	<b>Fei Wang (online)</b> , Tsinghua university <i>Observation of Floquet-induced gap in graphene</i>
10:10–10:40	<b>Coffee break</b>
10:40–11:20	<b>Keshav Dani</b> , OIST <i>TBA</i>
11:20–11:50	<b>Xing Zhu</b> , OIST <i>Visualizing valleytronics of dark excitons in momentum space</i>
11:50–13:20	<b>Lunch break (Lab4 F44/45)</b>
13:20–14:30	<b>Lab Tour</b>
14:30	<b>End of Workshop</b>

## Poster Session (Tuesday, June 2) (Lab5 D02-04)

P1	<b>Yogendra Kumar</b> , Research Institute for Synchrotron Radiation Science (HiSOR), Hiroshima University <i>Strain-Induced Relocation of Topological Surface States in Bi<sub>2</sub>Se<sub>3</sub> Single Crystal</i>
P2	<b>Shuto Suzuki</b> , Tohoku University <i>Strain-induced metallic state in 1T-TaS<sub>2</sub></i>
P3	<b>Jacques Hawecker</b> , OIST <i>From 2D ferroelectricity to defect array in twisted hexagonal boron nitride</i>
P4	<b>Yusei Morita</b> , Tohoku university <i>Electronic structure of superconductor Pt(Bi,Se)<sub>2</sub> studied by high-resolution ARPES</i>
P5	<b>Justin Wei Xiang Lim</b> , Nanyang Technological University <i>Observing anisotropic ultrafast dynamics in bulk ReS<sub>2</sub> using time- and energy-resolved photoemission electron microscopy</i>
P6	<b>Nanami Tomoda</b> , OIST <i>Study of exciton in 2D magnetic semiconductor CrSBr using TR-ARPES</i>
P7	<b>Gyan Prakash</b> , OIST <i>Photoemission electron microscopy of 2D materials on plasmonic structures</i>
P8	<b>Riyo Nagao</b> , University of Tsukuba <i>Observation of intertube structural dynamics in carbon nanotube bundles using high coherence time-resolved electron diffraction</i>
P9	<b>Joanna Nadolna</b> , OIST <i>Dual-Sensitizer (Nd<sup>3+</sup>/Yb<sup>3+</sup>) Upconversion Enables Cooperative Vis-NIR Photocatalysis in NaLuF<sub>4</sub>-Based TiO<sub>2</sub> Composites</i>
P10	<b>Nagisa Yamamoto</b> , University of Tsukuba <i>Ultrafast structural reorganization and polarization switching in ferroelectric crystals by electron diffraction</i>
P11	<b>Yoshinori Okada</b> , OIST <i>Spectroscopic investigation of spinel oxide superconductors</i>
P12	<b>Fuko Kato</b> , University of Tsukuba <i>Control techniques for pulsed electrons toward the development of a new ultrafast electron diffraction system</i>
P13	<b>Shuta Matsuura</b> , The University of Tokyo <i>Optical activation of a many-body exciton by antiferromagnetic order in NiPS<sub>3</sub></i>
P14	<b>Kensuke Miura</b> , University of Tsukuba <i>Improving the Resolution in Ultrafast Time-Resolved SEM Using a High-Repetition-Rate Laser</i>
P15	<b>Maria Carla Lupu</b> , OIST <i>Efficient high-harmonic generation at the paraxial limit driven by sub-fJ pulse energies</i>
P16	<b>Yusuke Arashida</b> , University of Tsukuba <i>Atomic scale ultrafast dynamics by light-field-driven scanning tunneling microscopy</i>
P17	<b>Takemi Kato</b> , OIST <i>Quantum-well states in highly strained alkali-metal thin films grown on Kagome metals</i>

P18	<b>Kosuke Yoshikawa</b> , University of Tsukuba <i>Observation of conductive holes in organic transistors using operando photoemission electron microscopy</i>
P19	<b>Tomohito Inagaki</b> , Graduate school of Engineering, Nagoya University <i>SEM observation of the muscle tissue of the zebrafish line overexpressing the electric eel egr3 gene</i>
P20	<b>Harley Suchiang</b> , OIST <i>Momentum Microscopy of Gated 2D Semiconductors</i>
P21	<b>Masashi Nakamura</b> , Graduate school of Engineering, Nagoya University <i>Development of a Wide-Emission-Angle Electron Gun for Performance Evaluation of an Electron Energy Analyzer</i>
P22	<b>Takehiro Tsuchida</b> , Graduate school of Engineering, Nagoya University <i>Application of the Serial-NED Method to Time-Resolved Transmission Electron Microscopy</i>
P23	<b>Yuki Kobayashi</b> , Nagoya University <i>Time-Resolved TEM Observation of Photoexcited pn-junction</i>
P24	<b>Hayato Saeki</b> , Nagoya University <i>Extraction and Analysis of Electronic Structure Information from EELS Using Bayesian Estimation</i>
P25	<b>Ian Ray Lyons</b> , OIST <i>Rich electronic reconstruction in antiferromagnetic vdW materials</i>
P26	<b>Haruki Taira</b> , University of Tsukuba <i>Development of Terahertz Pump and Electron Probe Setup</i>
P27	<b>Tatsunosuke Hanano</b> , OIST <i>Two-Color Microplasma-Based THz Radiation at MHz Repetition Rate</i>
P28	<b>Nanako Kanno</b> , University of Tokyo <i>Electronic structure of the skyrmion candidate materials <math>Gd(Ru_{1-x}Rh_x)_2Si_2</math> studied by angle-resolved photoemission spectroscopy</i>
P29	<b>Hirokazu Fujiwara</b> , University of Tokyo <i>Latent image in resists visualized by laser-based photoemission electron microscopy</i>
P30	<b>Masayuki Yamaoka</b> , University of Tokyo <i>Surface Magnetization Measurement of Nb-SrTiO<sub>3</sub> Using PEEM</i>
P31	<b>Takumi Fukuda</b> , OIST <i>Ultrafast momentum dynamics of transition from free carriers into excitons in monolayer WSe<sub>2</sub></i>