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	Discussion (L4D01)
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			

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Wednesday, June 3 (Seminar Room Lab4 E48)	
08:10–08:50	**Registration (Outside L4E48)**
08:50–09:00	**Opening remarks**
09:00–09:40	**Ryo Noguchi (invited)**, National Taiwan University *Robustness of topological band structures in low-dimensional materials investigated by ARPES*
09:40–10:10	**Taiga Nakamoto,** University of Tokyo *Photoemission Signature of Photo-Induced Carriers and Excitons in One-Dimensional Mott Insulators*
10:10–10:40	**Coffee break**
10:40–11:20	**Shunsuke Tsuda (invited),** NIMS *Development and Application of an imaging type Spin-Resolving Photoemission Microscope*
11:20–11:50	**Anup Pradhan Sakhya (online),** Research Institute for Synchrotron Radiation Science, Hiroshima University *Rich Electronic Topography of $LnTi_3Bi_4$: Dirac Physics, Flat Bands, and Electronic Anisotropy*
11:50–13:20	**Lunch break (Lab4 F44/45)**
13:20–14:00	**Ruotian Chen (invited),** Dalian Institute of Chemical Physics *Unraveling Charge-Transfer Mechanisms in Photocatalysts by Time-Resolved Photoemission Electron Microscopy*
14:00–14:30	**Yaolong Li,** Hokkaido University *Probing metallic and dielectric near-field modes with TR-PEEM*
14:30–15:00	**Fukumoto Keiki,** High Energy Accelerator Research Organization (KEK) *Operando Femtosecond Photoemission Electron Microscopy for Visualizing Carrier Motion in Semiconductor Devices*
15:00–15:30	**Coffee break**
15:30–16:10	**Shin-ichiro Ideta (online) (invited),** Hiroshima University *Recent Developments of High-Resolution ARPES Beamlines at HiSOR and Future Plan for Upgrade*
16:10–16:40	**Tzu Hung Chuang (online),** National Synchrotron Radiation Research Center *Multimodal soft X-ray photoelectron microscopy at the Taiwan Photon Source*
16:40–17:10	**Workshop photo**
17:10-17:30	**Coffee Break at Lab5 D02-04 Atrium**
17:30-20:00	**Poster Session + dinner at Lab5 D02-04 Atrium**
20:10	**Taxi pickup**

Thursday, June 4 (Seminar Room Lab4 E48)	
09:00–09:40	**Yukiko Yamada-Takamura (online) (invited),** JAIST Impact of Photoemission Spectroscopy on Experimental Study of Epitaxial Xenes
09:40–10:10	**Satoshi Ogawa,** Nagoya University *X-ray Photoelectron and Absorption Spectroscopy of Metal Nanoparticles*
10:10–10:40	**Coffee break**
10:40–11:20	**Kyoko Ishizaka (invited),** RIKEN *Investigating 2D topological materials by laser micro-ARPES*
11:20–11:50	**Suvadip Das (online),** BITS Pilani Hyderabad *Optical properties, Electron-phonon coupling and Spin fluctuations in 2D Quantum Materials*
11:50–13:20	**Lunch break (Lab4 F44/45)**
13:20–14:00	**Hongyun Zhang (invited),** Tsinghua University *Flat bands engineering in rhombohedral graphene*
14:00–14:30	**Sougen Furuya,** The University of Tokyo *Flat-Band Superconductivity in Spinel Oxide LiTi2O4 Revealed by High-Resolution Laser ARPES*
14:30–15:00	**Hejime Galif,** Nagoya University/Graduate School of Engineering *Multimodal In-situ Characterization of Interfacial Evolution during Thermal Treatment of Co-Catalyst/Semiconductor Hybrid Photocatalysts and Its Impact on Visible-Light Activity*
15:00–15:30	**Coffee break**
15:30–16:10	**Gong Chen (invited),** Nanjing University *Imaging and Engineering Interfacial Chirality with Spin-Polarized Low Energy Electron Microscopy*
16:10–16:40	**Makoto Kuwahara (online),** Nagoya University *Photoemission electron source using a negative electron affinity surface for novel transmission electron microscopy*
16:40–17:10	**Yuichi Ishida,** Nagoya University *Evaluation of a high-speed electron detection camera using pulsed TEM*
17:10–17:40	**Hada Masaki,** University of Tsukuba *Ultrafast Structural Dynamics of Materials and Molecules Observed by Time-resolved Electron Diffraction*
18:30-20:30	**Banquet** *Umusan no niwa* *Excursion bus goes directly from Ocean Expo Park to dinner venue*
20:40	**Taxi pickup**

Friday, June 5 (Seminar Room Lab4 E48)	
09:00–09:40	**Andreas Santander-Syro (invited),** Université Paris-Saclay *Imaging the itinerant-to-localized transmutation of electrons across the metal-to-insulator transition*
09:40–10:10	**Fei Wang (online),** Tsinghua university *Observation of Floquet-induced gap in graphene*
10:10–10:40	**Coffee break**
10:40–11:20	**Keshav Dani,** OIST *TBA*
11:20–11:50	**Xing Zhu,** OIST *Visualizing valleytronics of dark excitons in momentum space*
11:50–13:20	**Lunch break (Lab 4 F44/45)**
13:20–14:30	**Lab Tour**
14:30–16:40	**Discussion (Lab 4 D01)**
17:00	**End of Workshop / Taxi pickup**

Poster Session (Tuesday, June 2) (Lab5 D02-04)	
P1	**Yogendra Kumar,** Research Institute for Synchrotron Radiation Science (HiSOR), Hiroshima University *Strain-Induced Relocation of Topological Surface States in Bi_2Se_3 Single Crystal*
P2	**Shuto Suzuki,** Tohoku University *Strain-induced metallic state in 1T-TaS_2*
P3	**Jacques Hawecker,** OIST *From 2D ferroelectricity to defect array in twisted hexagonal boron nitride*
P4	**Yusei Morita,** Tohoku university *Electronic structure of superconductor $Pt(Bi,Se)_2$ studied by high-resolution ARPES*
P5	**Justin Wei Xiang Lim,** Nanyang Technological University *Observing anisotropic ultrafast dynamics in bulk ReS_2 using time- and energy-resolved photoemission electron microscopy*
P6	**Nanami Tomoda,** OIST *Study of exciton in 2D magnetic semiconductor CrSBr using TR-ARPES*
P7	**Gyan Prakash,** OIST *Photoemission electron microscopy of 2D materials on plasmonic structures*
P8	**Riyo Nagao,** University of Tsukuba *Observation of intertube structural dynamics in carbon nanotube bundles using high coherence time-resolved electron diffraction*
P9	**Joanna Nadolna,** OIST *Dual-Sensitizer (Nd3+/Yb3+) Upconversion Enables Cooperative Vis–NIR Photocatalysis in $NaLuF_4$-Based TiO_2 Composites*
P10	**Nagisa Yamamoto,** University of Tsukuba *Ultrafast structural reorganization and polarization switching in ferroelectric crystals by electron diffraction*
P11	**Yoshinori Okada,** OIST *Spectroscopic investigation of spinel oxide superconductors*
P12	**Fuko Kato,** University of Tsukuba *Control techniques for pulsed electrons toward the development of a new ultrafast electron diffraction system*
P13	**Shuta Matsuura,** The University of Tokyo *Optical activation of a many-body exciton by antiferromagnetic order in $NiPS_3$*
P14	**Kensuke Miura,** University of Tsukuba *Improving the Resolution in Ultrafast Time-Resolved SEM Using a High-Repetition-Rate Laser*
P15	**Maria Carla Lupu,** OIST *Efficient high-harmonic generation at the paraxial limit driven by sub-uJ pulse energies*
P16	**Yusuke Arashida,** University of Tsukuba *Atomic scale ultrafast dynamics by light-field-driven scanning tunneling microscopy*
P17	**Takemi Kato,** OIST *Quantum-well states in highly strained alkali-metal thin films grown on Kagome metals*

P18	**Kosuke Yoshikawa,** University of Tsukuba *Observation of conductive holes in organic transistors using operando photoemission electron microscopy*
P19	**Tomohito Inagaki,** Graduate school of Engineering, Nagoya University *SEM observation of the muscle tissue of the zebrafish line overexpressing the electric eel egr3 gene*
P20	**Harley Suchiang,** OIST *Momentum Microscopy of Gated 2D Semiconductors*
P21	**Masashi Nakamura,** Graduate school of Engineering, Nagoya University *Development of a Wide-Emission-Angle Electron Gun for Performance Evaluation of an Electron Energy Analyzer*
P22	**Takehiro Tsuchida,** Graduate school of Engineering, Nagoya University *Application of the Serial-NED Method to Time-Resolved Transmission Electron Microscopy*
P23	**Yuki Kobayashi,** Nagoya University *Time-Resolved TEM Observation of Photoexcited pn-junction*
P24	**Hayato Saeki,** Nagoya University *Extraction and Analysis of Electronic Structure Information from EELS Using Bayesian Estimation*
P25	**Ian Ray Lyons,** OIST *Rich electronic reconstruction in antiferromagnetic vdW materials*
P26	**Haruki Taira,** University of Tsukuba *Development of Terahertz Pump and Electron Probe Setup*
P27	**Tatsunosuke Hanano,** OIST Two-Color Microplasma-Based THz Radiation at MHz Repetition Rate
P28	**Nanako Kanno,** University of Tokyo *Electronic structure of the skyrmion candidate materials $Gd(Ru_{1-x}Rh_x)_2Si_2$ studied by angle-resolved photoemission spectroscopy*
P29	**Hirokazu Fujiwara,** University of Tokyo *Latent image in resists visualized by laser-based photoemission electron microscopy*
P30	**Masayuki Yamaoka,** University of Tokyo *Surface Magnetization Measurement of Nb-$SrTiO_3$ Using PEEM*
P31	**Takumi Fukuda,** OIST *Ultrafast momentum dynamics of transition from free carriers into excitons in monolayer WSe_2*