

program

[November 15]

- Giant thermoelectric power factor in monolayer FeSe superconductor
Yoshihiro Iwasa ,University of Tokyo,J
- Spin Current Generation and Electrical control in Layered Chalcogenides
Hongtao Yuan ,Nanjing University,C
- Raman spectroscopy for 2D materials research
Hyeonsik Cheong ,Sogang University,K
- Controlled CVD synthesis of high-quality 2D materials for electronic and photonic applications
Hiroki Ago ,Kyushu University,J
- Van der Waals heterostructures: from commensurate superlattice to incommensurate quasicrystal
Shuyun Zhou ,Tsinghua University,C
- Carbon based nanoelectromechanics: Physics and Applications
Sang Wook Lee ,Ewha Womans University,K
- Highly-Integrated Synthesis and Optoelectrical Applications of Suspended Graphene Nanoribbons
Toshiaki Kato ,Tohoku University,J
- Controlled Growth and Versatile Applications of Metallic Transitional Metal Dichalcogenides
Yanfeng Zhang ,Peking University,C
- Linear/nonlinear photoluminescence excitation spectroscopy: A unique tool for assessing optical properties of semiconductors
Joon, I. Jang ,Sogang University,K
- Valence- and core-level EELS from low-dimensional materials
Kaz Suenaga ,AIST,J
- Continuous-wave Lasing from Chemical Vapor Deposition Derived Monolayer MoS₂ Crystals
Qing Zhang ,Peking University,C

[November 16]

- 2D materials research activity within Center for Artificial Low Dimensional Electronic Systems of IBS
Han Woong Yeom ,POSTECH,K
- Excitonic Dynamics of Transition Metal Dichalcogenides and its Hetero-structures
Kazunari Matsuda ,Kyoto University,J
- Raman spectroscopy of MoS₂/Graphene van der Waals heterostructures
Ping-Heng Tan ,Institute of Semiconductors, CAS,C
- 2D Semiconductor Transistors: MISFET, MESFET, JFET
Seongil Im ,Yonsei University,K
- Light-Emitting Devices of Transition Metal Dichalcogenide Monolayers
Taishi Takenobu ,Nagoya University,J
- Topological states in transition-metal dichalcogenide
Haijun Zhang ,Nanjing University,C
- 2D Materials for Electronics and Display Applications
Sung-Yool Choi ,KAIST,K
- Electronic and magnetic structures of 3D disordered network of nanographene sheets under heat treatment at high temperatures
Toshiaki T Enoki ,Tokyo Institute of Technology,J
- Discovery of Log-periodic Quantum Oscillations
Jian Wang ,Pekin University,C
- Magnetism in 2D van der Waals materials
Je-Geun Park ,Seoul National University,K
- Emergent quantum confinement phenomena in transition metal dichalcogenides
Mohamed Saeed Bahramy ,University of Tokyo,J

■Photoemission Study of Low-Dimensional Functional Materials and Development of Spatial-Resolved ARPES in SSRF

Zhongkai Liu ,ShanghaiTech University,C

■Effects of interlayer interactions on physics of layered crystals

Young-Woo Son ,KIAS,K

■Emergent quantum confinement phenomena in transition metal dichalcogenides

Katsuaki Sugawara ,Tohoku University,J

■Probing the charge density waves and superconductivity in atomically thin NbSe₂

Xiaoxiang Xi ,Nanjing University,C

■Spin-valleytronics in atomic layer materials

Michihisa Yamamoto ,RIKEN,J

【November 17】

■Current status of synthesis of hBN single crystals under high pressure

Takashi Taniguchi ,NIMS,J

■Electronic Structures of Epitaxial Transition Metal Dichalcogenides Thin Films

Yi Zhang ,Nanjing University,C

■Growth and Application of Hexagonal Boron Nitride

Hyeon Suk Shin ,UNIST,K

■Phononic dynamics in a thin-flake transition-metal dichalcogenide

Kyoko Ishizaka ,University of Tokyo,J

■Novel air-stable ultrahigh-mobility semiconducting 2D BOX

Hailin Peng ,Pekin Univerity,C

■Topological and ferromagnetic properties of iron-based van der Waals metals

Jun Sung Kim ,POSTECH,K

■Robotic assembly and quantum transport of van der Waals heterostructures of 2D materials

Tomoki Machida ,University of Tokyo,J

[Poster]

- PJ-1 Gate-controlled layered superconductors toward BCS-BEC crossover

Yuji Nakagawa (University of Tokyo)

- PC-1 Growth and Thermo-driven Crystalline Phase Transition of Metastable Monolayer 1T'-WSe₂ film

Wang Chen (Nanjing University)

- PK-1 Manipulating electromagnetic properties and developing devices by selectively controlling ion distribution and interface state of two-dimensional atomic crystals.

Ji Hye Lee (Konkuk University)

- PJ-2 Nonreciprocal charge transport in polar van der Waals crystal BiTeBr

Toshiya Ideue (University of Tokyo)

- PC-2 Low Residual Carrier Concentration and High Mobility in 2D Semiconducting Bi₂O₂Se

Wu Jinxiong (Peking University)

- PK-2 Isostructural Mott transition and Kondo effect in 2D honeycomb antiferromagnet VPS₃

Matthew, J. Coak (Seoul National University)

- PJ-3 Exciton Hall effect in monolayer transition metal dichalcogenides

Masaru Onga (University of Tokyo)

- PC-3 Detection of bosonic mode as a signature of magnetic excitation in one-unit-cell FeSe on SrTiO₃

Chaofei Liu (Peking University)

- PK-3 Demonstration of a graphene mechanical relay with multiple states

Dong Hoon Shin (Ewha Womans University)

- PJ-4 Superconductivity in individual chiral WS₂ nanotubes

Feng, Qin (University of Tokyo)

- PC-4 The moiré phonons in twisted bilayer MoS₂

Miao-Ling Lin (Institute of Semiconductors, CAS)

- PK-4 Atomically thin heterojunction catalysts for efficient photoelectrochemical hydrogen generation

Jae Yoon Lee (Korea University)

- PJ-5 Explore metastable hidden states in 2D material device: CIPT in 2D 1T-TaS₂
Masaro Yoshida (RIKEN)
- PC-5 Stacking-Dependent Electronic Structure of Trilayer Graphene Resolved by NanoARPES
Changhua Bao (Tsinghua Univ.)
- PK-5 Electronic evidence of the excitonic insulator phase in Ta₂NiSe₅
Jinwon Lee (POSTECH)
- PJ-6 Two-dimensional superconductivity in NbSe₂ epitaxial thin films grown by molecular-beam epitaxy.
Hideki Matsuoka (University of Tokyo)
- PC-6 Initial progress and ongoing research in new-built laboratory of Interface Physics & Electronics in Nanjing University
Junwei Huang (Nanjing University)
- PK-6 Active Matrix Pixel Device Using Two Dimensional Transition Metal Dichalcogenides Channel FETs
Sanghyuck Yu (Yonsei University)
- PJ-7 Transport properties of transitional metal
Yue Wang (University of Tokyo)
- PC-7 Growth of Ternary WS_{2(1-x)}Te_{2x} Alloy by Chemical Vapor Deposition Aimed at Metal–Semiconductor Phase Transition
Haolin Wang (Nanjing University)
- PK-7 Suppression of magnetic ordering in XXZ-type antiferromagnetic NiPS₃ in 2-dimensional limit by Raman spectroscopy
Kangwon Kim (Sogang University)
- PJ-8 Anisotropic Electronic Structure of TMDs measured by Momentum resolved EELS
Jinhua Hong (AIST)
- PC-8 Tunable high-temperature superconductivity in monolayer Bi₂Sr₂CaCu₂O_{8+δ}
Yijun Yu (Fudan University)
- PK-8 High-quality synthesis of 2D materials and integration into electronic devices
Hamin Park (KAIST)

■PJ-9 Persistent photoconductivity in suspended graphene nanoribbons for non-volatile memory application

Noritada Ogura (Tohoku University)

■PC-9 Non-Hermitian nodal-line semimetals

Huaiqiang Wang (Nanjing University)

■PJ-10 ARPES study on ferromagnetic intercalated transition-metal dichalcogenides

Satoshi Yoshida (University of Tokyo)

■PC-10 Surface State Mediated Interlayer Excitons in a 2D Nonlayered–Layered Semiconductor Heterojunction

Liyun Zhao (Peking University)

■PJ-11 Subband-Resolved Resonant Tunneling in Twist-controlled Trilayer Graphene/hBN/Graphene Heterostructures

Yuta Seo (University of Tokyo)

■PC-11 Space-Confined Growth of Monolayer ReSe₂ under a Graphene Layer on Au Foils

Chunyu Xie (Peking University)