SAP: Semiconductor and Applied Physics
Co-Chairs: Kaili Jiang (Tsinghua University)
Qing Shen (University of Electro-Communications)

No.	Invited Speakers	Affiliation	Topics
1	Jin Chang	Nanjing Tech University	Crystallization Regulation and Defect Suppression for Efficient Tin-based Perovskite LEDs
2	Zhiqin Chu	University of Hong Kong	Fabrication, Properties, and Applications of Versatile Diamond Membranes
3	Dawei Di	Zhejiang University	Perovskite LEDs and Lasers
4	Peng Gao	Peking University	Visualization of heat transport at sub-nm scale
5	Ning Kang	Peking University	Correlated state in carbon nanotube arrays
6	Jing Liang	Shenzhen International Quantum Academy	Non-volatile Tuning of 2D Excitons in 3R-MoS2 Through Sliding Ferroelectricity
7	Miao-Ling Lin	Institute of Semiconductors, Chinese Academy of Sciences	Raman scattering in a phonon-optical cavity
8	Can Liu	Renmin University	Interfacial Engineering for Two-dimensional Material Growth
9	Yuan Liu	Hunan University	High density 3D integration of 2D transistors via van der Waals lamination
10	Hai-Zhou Lu	Southern University of Science and Technology	Nonlinear transport theory at the order of quantum metric
11	Junwei Luo	Institute of Semiconductors, Chinese Academy of Sciences	Physics of ultimate Si transistors
12	Wanli Ma	Soochow University	Quantum Dot Solar Cells
13	Feng Miao	Nanjing University	2D Materials for Future Computing
14	Liang Qiao	University of Electronic Science and Technology of China	Exotic electronic states in nickelate superconducting thin films
15	Zhiwen Shi	Shanghai Jiao Tong University	Low-dimensional Carbon Materials for High-performance Nanoelectronics
16	Lei Shi	Fudan University	Vectorial lasing based on quasi-bound-states-in-continuum of photonic crystal slabs
17	Haiding Sun	Univ of Science and Technology of China	GaN-based Integrated Optoelectronic Devices and Systems
18	Jianjun Tian	University of Science and Technology Bejing	Efficient cadmium-free quantum dot light-emitting diodes
19	Jiangtao Wang	Peking University	Electrostatic repulsion enabled advanced transfer for integration of van der Waals materials
20	Sheng Wang	Wuhan University	Probing microscopic structure-property-performance relationships of semiconductors by multimodal microscopy
21	Li Wang	Institute of Physics, CAS	Precise Growth and Property Regulation of Two-Dimensional Boron Nitride Crystals
22	Guohua Wu	Harbin Engineering University	Design, Synthesis, and Application Research of Opto-Electro-Magnetic Functional Materials
23	Xiaoxiang Xi	Nanjing University	Gate tuning of coupled electronic and structural phase transition in atomically thin Ta2NiSe5
24	Wei Yang	Institute of Physics, CAS	Tuning flatband superconductivity and quantum metric
25	Xiaoxia Yang	National Center for Nanoscience and Technology	Infrared Polaritons in Low-dimensional Nanomaterials
26	Wang Yao	University of Hong Kong	Hybrid moire excitons in twisted bilayer TMDs
27	Lixing You	Shanghai Institute of Microsystem and Information Technology Chinese Academy of Sciences	Superconducting strip photon detectors and applications
28	Xiaodan Zhang	NanKai University	Inorganic Perovskite/Silicon Tandem Solar Cells
29	Zhilong Zhang	South China University of Technology	Exciton Delocalization in Quantum Dots and The Implications
30	Yaohong Zhang	Northwest University	Research on semiconductor quantum dots for stealth camouflage applications
31	Sihan Zhao	Zhejiang University	Strongly Hybridized Phonons in One-Dimensional van der Waals Crystals
32	Peng Zhou	Fudan Univeristy	2D Semiconductors for IC Manufacturing
33	Yong Zhou	Nanjing University	Artificial Photosynthesis: Photoconversion of CO2 into Renewable Hydrocarbon Fuels