

Session 4: Information Electronics Forum

Introduction: Information electronics is the cornerstone of modern society. It mainly covers scientific research and engineering implementation of new materials, advanced devices, applied circuits and systems, and intelligent algorithms using electronics as information carriers. This session will share presentations on topics such as flexible electronics, hydrogel, micro/nano devices, thermoelectric multiphysics field, electromagnetic metasurface.

- Chairs: Dr.JIN Hao
- Date: January14, 2024
- Venue: Lecture Theatre West 201

Time	Topic	Speaker
14:00-14:05	Opening	Prof. Hao Jin
14:05-14:30	Development of Intelligent Bioelectronics System	Dr. Mengwei Liu
14:30-14:50	Laser-driven non-contact bubble transfer printing via a hydrogel composite stamp	Dr. Shun Zhang
14:50-15:10	Tribo-Positive Flexible-Polymer Nanogenerators Exhibiting Elevated Surface Potential for Enhanced ultrahigh-charge density	Dr. Muhammad Naeem Shah
15:10-15:30	Nonreciprocal thermal metamaterials	Ran Ju
15:30-15:50	Hybrid surface waves in twisted anisotropic hetero-metasurfaces	Dr. Xinyan Zhang
15:50-16:10	Design and Performance of Multifunctional Metamaterial Structures	Dr. Xiaochang Xing
16:10-16:30	Integrated sensor based on acoustics-electricity-mechanics coupling effect for wireless passive gas detection	Dr. Licheng Zhou
16:30-16:50	Off-resonance Spin-locked Metasurfaces Based on BIC for Optical Analog Computing	Haochen Yang
16:50-17:10	Energy-Efficient Integrated Photonic Topological Devices	Zijian Zhang