

Session 8: Information Electronics

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 micro/nano frontiers, optoelectronic technology, terahertz, quantum, healthcare, advanced electromagnetic fields, and Parity-Time (PT) symmetry.

- Chair: Prof. Hao Jin, Zhejiang University
 ○ Date: January 6, 2023



Time	Topic	Speaker
13:50-13:55	Opening	Prof. Hao Jin
13:55-14:20	Mid-Infrared Nano-Optics Based on Hyperbolic Polaritons	Assistant Professor Guangwei Hu
14:20-14:45	Topological terahertz quantum cascade lasers: single-mode operation and beam engineering	Dr. Song Han
14:45-15:10	Subwavelength polariton modulation	Dr. Yingjie Wu
15:10-15:35	Wearable Acoustic Wave Technologies	Prof. Yongqing Fu
15:35-15:50	Large-area, dynamic recording of high-density surface electromyography and its applications	Dr. Chengjun Wang
15:50-16:05	Wireless, ultra-flexible Neural Probe for Optical Stimulation and Multichannel Electrical Recording	Dr. Shun Zhang
16:05-16:20	Non-Hermitian approach to acoustic non-Hermitian skin effect and non-reciprocal devices	Dr. Li Zhang
16:20-16:35	Wave-like Effect in Thermal Metamaterials	Dr. Peichao Cao
16:35-16:50	Twisted Optics	Dr. Xinyan Zhang
16:50-17:05	Topologically Reconfigurable Magnetic Polaritons	Ming Li
17:05-17:20	Radiative Anti-Parity-Time Plasmonics	Yumeng Yang

