



**International Forum on
Semiconductors and Optoelectronics**
June 05, 2023 | Webinar

Day 1 - June 05, 2023

Virtual Presentations/Webinar

Beijing Time Zone (GMT+8)

09:00 - 09:40	P	Title: Light Matter Interactions in 2D Materials
		Qiaoliang Bao, University of Shanghai for Science and Technology, China
09:40 - 10:20	P	Title: Integrated Silicon Nitride Functional Devices
		Yue Yang, Xi'an Jiaotong University, China
10:20 - 10:50	K	Title: Advanced ZnO Based Piezo-Phototronic Optoelectronics
		Wenbo Peng, Xi'an Jiaotong University, China
10:50 - 11:20	K	Title: Analogue and RF Design – It is not all a Question of Ft
		Malcolm H Smith, Sumisuttek, Japan
11:20 - 11:50	K	Title: Enhanced Solar-to-Thermal Conversion Efficiency of Plasmonic Semiconductor Nanocrystal by Heterostructure
		Wing Cheung Law, Hong Kong Polytechnic University, Hong Kong
11:50 - 12:15	I	Title: Navigating the Global Value Chain: Can China's Semiconductor Industry Weather the Technology Decoupling?
		Marina Yue Zhang, University of Technology Sydney, Australia
12:15 - 12:40	I	Title: Defect Physics in 4H Silicon Carbide
		Rong Wang, Zhejiang University, China
12:40 - 13:05	I	Title: On-Chip Optical Analog-to-Digital Conversion Based on Cascaded Optical Quantization
		Ye Tian, Ningbo University, China
13:05 - 13:30	I	Title: Aggregation Dependent Dielectric Permittivity in Two-Dimensional Molecular Crystal
		Yutian Yang, Southeast University, China
13:30 - 13:55	I	Title: Graphene Heterojunction Devices Based on Lateral Photovoltaic Effect
		Kaiyang Liu, Southeast University, China
13:55 - 14:20	I	Title: Phase-Engineered Synthesis of Atomically Thin Te Single Crystals with High ON-State Currents
		Jun Zhou, Southeast University, China
14:20 - 14:45	I	Title: Spectroscopic Perception of Trap States on the Performance of Methylammonium and Formamidinium Lead Iodide Perovskite Solar Cells
		Yong Zhang, Southeast University, China
14:45 - 15:10	I	Title: Microactuator and Optical Modulator Based on Freestanding VO₂ Film
		Li Yuan, Beijing University of Technology, China
15:10 - 15:35	I	Title: Direct Laser Writing of SERS Hollow Fibers
		Jiajun Li, Beijing University of Technology, China

15:35 - 16:00	I	Title: Carbon Nano Materials with Non-Noble Metals as Highly Efficient Electrolytes
		Noureen Syed, Shaanxi University of Science and Technology, China
16:00 - 16:25	I	Title: Investigation of Robustness Against Radiation for GaN MIS-HEMT in Space
		Chin Han Chung, National Chiao Tung University, Taiwan
16:25 - 16:55	K	Title: Distributed and Parallel Processing of Complex Modular Calculations in IoT
		Menachem Domb, Ashkelon Academy, Israel
16:55 - 17:20	I	Title: Comparative Analysis of Ln and Bto Platforms for Implementing Electro-Optically Tunable General-Purpose Photonic Processors (Gppps)
		Tushar Gaur, Indian Institute of Science, India
17:20 - 17:45	I	Title: GaAs Microwave Mixers
		Tjahjo Adiprabowo, Telecommunications Research Center, Indonesia
17:45 - 18:10	I	Title: Optoelectronic Functionalities of BFO-STO Interfaces
		Zhang Hangbo, University of Warwick, UK
18:10 - 18:40	K	Title: Will Nanotechnology Solve the Energy Crisis
		Yarub Al Douri, University of Malaya, Malaysia
18:40 - 19:10	K	Title: Heterogeneous 3D Integration and Advanced Thermal
		Tiwei Wei, Purdue University, USA
19:10 - 20:20	K	Title: Recent Progress in Silicon Photonic Chip Design for 5G Wireless Fronthaul Application
		Amin Malek, California State University, USA
End of the Virtual Conference		
NEXT EDITION...		
2nd International Forum on Semiconductors and Optoelectronics		
SEMICONFORUM2024		
August 15-17, 2024 MADRID, SPAIN		