

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

## Day 1 - June 05, 2023

Page	<b>Day 1 - June 05</b>	, 2023			
Page					
O9:00 - 09:40   P	Beijing Time Zone (GMT+8)				
Ogaolang Bao, University of Shanghai for Science and Technology, China  10:20 - 10:50  K  Title: Integrated Silicon Nitride Functional Devices Yue Yang, Xi'an Jiaotong University, China  Title: Advanced ZnO Based Piezo-Phototronic Optoelectronics Wenbo Peng, Xi'an Jiaotong University, China  Title: Analogue and RF Design – It is not all a Question of Ft Malcolm H Smith, Sumisutek, Japan  Title: Enhanced Solar-to-Thermal Conversion Efficiency of Plasmonic Semiconductor Nanocrystal by Heterostructure Wing Cheung Law, Hong Kong Polytechnic University, Hong Kong  Title: Navigating the Global Value Chain: Can China's Semiconductor Industry Weather the Technology Decoupling? Marina Yue Zhang, University of Technology Sydney, Australia  Title: On-Chip Optical Analog-to-Digital Conversion Based on Cascaded Optical Quantization Ye Tian, Ningbo University, China  Title: Aggregation Dependent Dielectric Permittivity in Two- Dimensional Molecular Crystal Yutian Yang, Southeast University, China  Title: Graphene Heterojunction Devices Based on Lateral Photovoltaic Effect Kaiyang Liu, Southeast University, China  Title: Phase-Engineered Synthesis of Atomically Thin Te Single Crystals with High ON-State Currents Jun Zhou, Southeast University, China  Title: Spectroscopic Perception of Trap States on the Performance of Methylammonium and Formamidinium Lead Iodide Perovskite Solar Cells Yong Zhang, Southeast University, China  Title: Microactuator and Opitcal Modulator Based on Freestanding VO2 Film Li Yuan, Beijing University of Technology, China	09:00 - 09:40		Title: Light Matter Interactions in 2D Materials		
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14:45 - 15:10  I VO2 Film  Li Yuan, Beijing University of Technology, China  Title: Direct Laser Writing of SERS Hollow Fibers			Yong Zhang, Southeast University, China		
Li Yuan, Beijing University of Technology, China  Title: Direct Laser Writing of SERS Hollow Fibers	14:45 - 15:10	I	Title: Microactuator and Opitcal Modulator Based on Freestanding		
15:10 - 15:35 I Title: Direct Laser Writing of SERS Hollow Fibers			VO2 Film		
Jiajun Li, Beijing University of Technology, China	15:10 - 15:35	I			
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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		
	K	Title: Distributed and Parallel Processing of Complex Modular		
16:25 - 16:55		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		
17:20 - 17:45	1	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	К	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		Title: Recent Progress in Silicon Photonic Chip Design for 5G Wireless		
	K	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		