

Tsinghua University & the University of Tokyo

The 8th Joint Symposium 2023

Hybrid Workshop on

“Advanced Materials & Devices Research”

Date: Tuesday, November 7th, 2023

Time: 9:45-17:00 JST, 8:45-16:00 CST

Place: EE Meeting Rooms 1AB & 2, 3rd floor, Eng. Building II, UT Hongo Campus

Zoom Meeting ID: 892 8800 8426, Passcode: 705436

JST	Title	Speaker		Chair
9:45	Opening Remarks	Prof. Yoshiaki Nakano	UT	Prof. Changzheng Sun
10:00	Freeform lens design based on differentiable ray-tracing	Prof. Hongtao Li	THU	
10:30	Si photonics based on heterogeneous integration	Prof. Mitsuru Takenaka	UT	
11:00	Kerr cavity soliton physics and applications	Prof. Xiaoxiao Xue	THU	
11:30	Characterization of gallium oxide Schottky barrier diodes toward power device application	Prof. Takuya Maeda	UT	
12:00	Lunch Break			
13:00	Nonlinear optics in III-nitride microresonators	Prof. Changzheng Sun	THU	Prof. Takuo Tanemura
13:30	Metasurface devices for optical communication	Prof. Takuo Tanemura	UT	
14:00	Laser fabrication of bright and pure single-photon emitters in hexagonal boron nitride	Prof. Lin Gan	THU	
14:30	Single photon avalanche diode accelerated by a dynamic memristor	Prof. Jiyuan Zheng	THU	
15:00	Coffee Break			
15:30	Poster Preview	THU/UT Students		Prof. Hongtao Li
16:00	Student Poster Session			
17:00	Closing Remarks	Prof. Yi Luo	THU	