

2024 PGWS Agenda

Day 1: 13 August, 2024 (Tue.)			
Session	Time (GMT+8)	Activity	Speaker
	08:20-08:50	Registration	
	08:50-09:00	Opening of Postgraduate Workshop 2024 Photo Taking	Prof. Ya-Hsiang Tai (NYCU) Assistant Prof. Chih-Hao Chuang (FCU)
Session 1: Oxide TFT Session chair: Chia-Hsuan Li (NYCU)	09:00-09:20	The Effects of Oxides Deposited Using Different Precursors on the Characteristics of Top-Gate Indium-Tin-Zinc Oxide Thin-Film Transistors with Self-Aligned, Oxygen-Plasma Activated Source/Drain Regions	Xinying Xie (HKUST)
	09:20-09:40	Investigation of Threshold Voltage Shift in Top gate and Double Gate IGZO TFTs under Negative Bias Illumination Stress	Yu An Chen (NSYSU)
	09:40-10:00	Low temperature IGZO synaptic transistor with dual modulation method for artificial neural network application	Jo Lin Chen (NYCU)
	10:00-10:20	A Schottky Source Approach for Normally-Off β -Ga ₂ O ₃ Transistors	Jiye Yang (HKUST)
	10:20-10:40	Coffee Break	
Session 2: Perovskite & Electrophoresis Session chair: Yue Zhang (SYSU)	10:40-11:00	High-performance Perovskite Transistor Using DMPDA and 2MTEAI as Passivation Materials	Dawei Zheng (HKUST)
	11:00-11:20	Scalable spray coated high performance ZnO/TiO ₂ hybrid electron transport layer for efficient perovskite solar modules	Siqing Nie (HKUST)
	11:20-11:40	Electrophoretic Particle Synthesis with a Synergistic Grafting-Adsorption Method for Color Smart Window Applications	Yue Zhang (SYSU)
	11:40-12:00	Ultra Fine Yarn-based Wearable Electrophoretic Display Fiber	Lisha Peng (SYSU)



	12:00-13:40	Lunch Break	
Session 3: Liquid Crystal & Mini/micro LED Session chair: Yibo Liu (HKUST)	13:40-14:00	Review on Tunable Metasurface Electro-Optical Controlled by Liquid Crystal	Haonan Jiang (HKUST)
	14:00-14:20	Ring-shaped Circular-patch Liquid Crystal Display Structure Based On Fringe Field Effect	Anran Li (HKUST)
	14:20-14:40	Investigation on Superior Performance of Micro-LEDs with GaN-on-GaN Homoepitaxial Structure	Yibo Liu (HKUST)
	14:40-15:00	Mini-LED LCDs Integrated with High-capacity MIMO Visible Light Communication	Zhiqing Zhao (SYSU)
	15:00-15:30	Coffee Break	
	15:30-17:00	Poster Author Interview Section	
	17:00-18:00	Campus Tour	
	18:00-19:30	Reception (Professors & Students)	

Day 2: 14 August, 2024 (Wed.)

Session	Time (GMT+8)	Activity	Speaker
	08:30-09:00	Registration	
Session 4: Under Display Camera & Automotive Display Session chair: Bo Wei Liou (NYCU)	09:00-09:20	Digital Circuit Design for Crosstalk Effect Elimination in Integral Imaging-Based Light Field Display by Using Digital Filter	Yu Ting Lee (NTU)
	09:20-09:40	Breaking the resolution limit of integral imaging display by utilizing incoherent synthetic apertures	Yifan Ding (SYSU)
	09:40-10:00	Assessment of Dihedral Corner Reflector Array-Based Aerial Display	Che Wei Lee (FCU)
	10:00-10:20	From dual-focal to varifocal: advancements in automotive head-up display	Yi Liu (SYSU)
	10:20-10:50	Coffee Break	
	10:50-11:20	Closing + Best Oral and Poster Award Photo Taking	
	11:30-13:30	Lunch Break	
	13:30-13:45	Taking a roll call	
	13:50-14:20	Heading to TSMC Museum	
	14:20-16:00	TSMC Museum	
	16:00-16:30	Back to NYCU	

