

Conference Schedule

Room: Long Jin Ballroom I (1st Floor)

8 th August AM	
Opening Ceremony Chairman: Prof. Jian Liu	
08:30-09:00	Opening Remarks and Photography
PlenarySpeech I Chairman: Prof. Tony Wilson	
09:00-09:40	1. Furen Kao (National Yang-Ming University, Taiwan, China) Stimulated Gain and Spontaneous Loss Imaging in Pump-Probe Microscopy
09:40-10:20	2. Tiqiao Xiao (Shanghai Institute of Applied Physics, Chinese Academy of Sciences) X-ray Microtomography with High Brightness Synchrotron Radiation Light Source
10:20-10:40	Coffee Break
Session1 Chairman: Prof. Narendranath S	
10:40-11:00	1. Feng Gao (University of Huddersfield, UK) Environmental Robust Interferometry for Online/in-process Surface Inspection
11:00-11:20	2. Jianqiang Qian (Beihang University, China) Higher harmonic imaging and frequency modulation atomic force microscopy
11:20-11:40	3. Ying Jiang (Peking University, China) Structure and Dynamics of Water at Surfaces Probed by Scanning Tunneling Microscopy and Spectroscopy
11:40-12:00	4. Zihai Cheng (National Center for Nanoscience and Technology) Internal Interfacial Structures and Properties of 2D Materials Probed by Advanced Atomic Force Microscopy
8 th August PM	
Session2 Chairman: Prof. Ke Si	
13:40-14:00	1. Peng Xi (Peking University, China)

	Standing-wave STED Super-resolution Microscopy
14:00-14:20	2. Huaidong Yang (Tsinghua University, China)- TBD
14:20-14:40	3. Lidai Wang (City University of Hong Kong, Hong Kong, China) Single-cell Photoacoustic Microscopy for Early Cancer Detection and Brain Imaging
14:40-15:00	4. Jianying Zhou (Sun Yat-sen University, China) Far-field, linear and Label-free Optical Nanoscopy with Sub-80nm Resolution
15:00-15:15	5. Xinchao Lu (Institute of Microelectronics of Chinese Academy of Sciences, China) Fast detection to single nanoparticle and virus by using surface Plasmon polaritons (SPP) imaging (Oral)
15:15-15:40	Coffee Break& Poster
Session3 Chairman: Prof. Huaidong Yang	
15:40-16:00	6. Liangyi Chen (Peking University, China) Fast High-resolution Miniature Two-photon Microscopy for Brain Imaging in Freely-behaving Mice at the Single-spineLevel
16:00-16:20	7. Junjie Yao (Duke University, USA) Breaking the Limits in Photoacoustic Imaging
16:20-16:40	8. Lingjie Kong (Tsinghua University, China) In Vivo Imaging of Biological Dynamics via Wavefront
16:40-17:00	9. Hui Hui (Institute of Automation, Chinese Academy of Sciences, China) High-sensitivity Dual-channel Thoracoscope System for Minimally Invasive Lung Cancer Surgery
17:00-17:20	10. Yinxin Zhang (Tianjin University, China) Coherent Anti-Stokes Raman Scattering Imaging (CARS) for in situ Clinical Applications
17:20-17:35	11. Zeyu Zhao (Huazhong University of Science and Technology) High-power homogeneous illumination for super-resolution localization microscopy with large field-of-view (Oral)

Conference Schedule

Room: Long Jin Ballroom I (1st Floor)

9 th August AM	
Plenary SpeechII Chairman: Prof. FurenGao	
08:30-09:10	1. Huaijiuang Yang (Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, China)- TBD
09:10-09:50	2. Chanmin Su (Bruker Nano/Shenzhen Academy of Robotics) Scanning Probe Microscopy Based Spectroscopy Measurement for Nanoscale Chemical Identification
09:50-10:30	3. Jian Liu (Harbin Institute of Technology, China) Recent Advances on Medium Aided Scattering Confocal Microscopy
10:30-10:40	Coffee Break
Session4 Chairman: Prof. Feng Gao	
10:40-11:00	1. Ming Li (Beijing Synchrotron Radiation Facility, IHEP, CAS, China) A novel Surface Slope Measuring Instrument at BSRF
11:00-11:20	2. Xiaojun Liu (Huazhong University of Science and Technology) Synchronous Phase-shifting Interference Microscope for Dynamic Surface Measurement
11:20-11:40	3. Dingrong Yi (Huaqiao University) Parallel Surface Profiling Method with High Accuracy
11:40-12:00	4. Mingjun Ren (Shanghai Jiao Tong University, China) Intelligent Sampling for Scanning Probe Microscopy
9th August PM	
Session5 Chairman: Prof. Zhihai Cheng	
13:40-14:00	1. Narendranath S (National Institute of Technology Karnataka (NITK), India) Measurement of Grain Size and Recast Layer Thickness
14:00-14:20	2. Changcai Cui (Huaqiao University, China)

	Semiconductor Substrates Measurement Techniques
14:20-14:40	3. Chunguang Hu (Tianjin University, China) Characterization of 2D Nanomaterials Using Reflectance Anisotropy
14:40-15:00	4. Ruijun Li (Hefei University of Technology, China) Several Key Techniques for Micro/nano Coordinate Measurement
15:00-15:15	5. Fugui Yang (Beijing Synchrotron Radiation Facility, IHEP, CAS, China) Concept of two dimensional surface slope profiler and its application for sagittal bend mirror surface characterization (Oral)
15:15-15:30	Coffee Break
Session6 Chairman: Prof. Ming Li	
15:30-15:50	6. Ke Si (Zhejiang University, China) Deeptissue Two-photon Microscopy with Local Region Structure Illumination
15:50-16:10	7. Yong Guan (University of Science and Technology of China, China) High Spatial Resolution X-ray Imaging and Its Applications
16:10-16:30	8. Zhengjun Liu (Harbin Institute of Technology, China) Diffraction Imaging Using Phase Retrieval
16:30-16:50	9. Sijin Wu (Beijing Information Science and Technology University, China) Digital Speckle Pattern Interferometry: New Technologies
16:50-17:05	10. Bayar Hexig (Inner Mongolia University, China) Characterization of Bio-nano Interfaces through Optical/Electron Microcopy and Quarts Crystal Microbalance for It's Application in Stem Cell Research (Oral)
17:05-17:20	11. Wenjie Li (Shenzhen Institutes of Advanced technology, CAS, China) Microscopic photovoltaic performance measurement for thin film solar cells via CP-AFM (Oral)