

China-Japan International Symposium on Nanophotonics and Biophotonics

December 8-9, 2023, Guangzhou, China

The China-Japan International Symposium on Nanophotonics and Biophotonics will strongly focus on future direction with presenting the forefront results pertaining to nanophotonics, and biophotonics. This symposium has been the source for the exchange of visible ideas related to this active research area. The informal nature of the conference provides an especially fertile milieu for new ideas and collaboration. The format of the conference will be chosen to have the maximal interactions among world-renowned scientists.

Organizers:

Chinese Academy of Sciences (CAS)

The Japan Society for the Promotion of Science (JSPS)

Technical Institute of Physics and Chemistry, CAS

Photonics Center, Osaka University

Jinan University

Organizing Committee:

Co-Chairs:

Prof. Mei-Ling Zheng

Prof. Katsumasa Fujita

Accommodation and Venue

Yingbin Hotel (广东迎宾馆)

<http://www.yingbinhotel.cn/>

General program:

2023/12/07(Thu)	14:00-17:00 Registration (for guest only), Yingbin Hotel 18:00-20:00 Dinner
2023/12/08(Fri)	8:30-8:50 Opening ceremony
	8:50-10:20 Scientific talk (Section 1)
	10:20-10:30 Coffee break & Group photo
	10:30-12:30 Scientific talk (Section 2)
	12:30-13:30 Lunch
	13:30-15:30 Scientific talk (Section 3)
	15:30-15:50 Coffee break
	15:50-18:20 Scientific talk (Section 4)
	18:20-18:30 Closing ceremony
19:00-20:30 Banquet	
2023/12/09(Sat)	8:30-12:00 visit Jinan University
	12:00-18:00 Academic communication
	19:00-20:30 Dinner
2023/12/10(Sun)	Departure

Program:

Dec. 7 th		
14:00-20:00	Registration for guest (Yingbin Hotel, 1 st floor)	
18:00-20:00	Dinner (place)	
Dec. 8 th (place, 3 rd floor)		
8:15-12:00	Registration (Yingbin Hotel)	
Opening Ceremony Chairman: Mei-Ling Zheng		
8:30-8:50	** (CAS) ** (JSPS) ** (<i>Technical Institute of Physics and Chemistry, CAS</i>) ** (<i>Osaka University</i>)	
Section 1 Scientific Talk Chairman: Xuan-Ming Duan		
8:50-9:20	Femtosecond laser nano-prototyping, a decade from the micro-bull Hong-Bo Sun (<i>Tsinghua University</i>)	I01
9:20-9:50	Improvement of the detection sensitivity in spontaneous Raman imaging Katsumasa Fujita (<i>Osaka University</i>)	I02
9:50-10:20	DMD-based LED illumination super-resolution and optical sectioning structured illumination microscopy: development and application Dan Dan (<i>Xi'an Institute of Optics and Precision Mechanics of CAS</i>)	I03
10:20-10:30	Coffee Break & Group Photo	
Section 2 Scientific Talk Chairman: Katsumasa Fujita		
10:30-11:00	Propagating Surface Plasmon Resonance in Multilayer System for Highly Sensitive Ion Imaging and Surface Uniformly-Enhanced Raman Scattering Yasushi Inouye (<i>Osaka University</i>)	I04
11:00-11:30	Probing Transient Plasmons in Semiconductors Jia-Ning Chen (<i>Institute of Physics, CAS</i>)	I05
11:30-12:00	Multi-material micro 3D printing using various photocurable materials Shoji Maruo (<i>Yokohama National University</i>)	I06

12:00-12:30	Fractal photonic anomalous Floquet topological insulators fabricated by a Femtosecond Laser Yan Li (<i>Peking University</i>)	I07
12:30-13:30	Lunch (place, 2 nd floor)	
Section 3 Scientific Talk Chairman: Shoji Maruo		
13:30-14:00	Title Taka-aki Yano (<i>Tokushima University</i>)	I08
14:00-14:30	Anti-scattering 3D imaging with synthetic wave Ming-Bo Pu (<i>Institute of Optics and Electronics, CAS</i>)	I09
14:30-15:00	Optical trapping of gold nanoparticles based on nonlinear interaction Yu-Qiang Jiang (<i>Institute of Genetics and Developmental Biology, CAS</i>)	I10
15:00-15:30	Remote plasmonic-enhanced Raman spectroscopy Takeo Minamikawa (<i>Tokushima University</i>)	I11
15:30-15:50	Coffee Break	
Section 4 Scientific Talk Chairman: Hong-Bo Sun		
15:50-16:20	Label-free multi-color coherent Raman spectroscopic imaging using a supercontinuum light source Hideaki Kano (<i>Kyushu University</i>)	I12
16:20-16:50	Laser nanolithography and its applications in nanophotonics Yao-Yu Cao (<i>Jinan University</i>)	I13
16:50-17:20	Label-free characterization of maturation and hepatotoxicity of hiPSC-derived hepatocytes using live-cell Raman microscopy Meng-Lu Li (<i>Shenzhen Medical Academy of Research and Translation</i>)	I14
17:20-17:50	Cross-scale topography fabricated by femtosecond laser fabrication and applications in cell behavior Mei-Ling Zheng (<i>Technical Institute of Physics and Chemistry, CAS</i>)	I15
17:50-18:10	Summary	
18:10-18:30	Closing Ceremony Chairman: Katsumasa Fujita	
19:00-20:30	Banquet	

Dec. 9th

8:30-12:00	visit Jinan University	
12:00-18:00	Academic communication	
19:00-20:30	Dinner	