

Parallel Session: Atomic and Molecular Physics & Optics

Afternoon Session:

Date: October 21st

chair	Kuijuan Jin	
14:00-14:25	Xiaodong Cui The University of Hong Kong	Exciton polarization in 2D TMDs (Invited)
14:25-14:50	Zhigang Chen Nankai University	Empowering Topological Photonics for OAM Manipulation (Invited)
14:50-15:05	Kai Dieckmann National University of Singapore	Rotational Spectroscopy and Magic Optical Lattices for Ultracold LiK Ground State Molecules (Invited)
15:05-15:30	Chuanshan Tian Fudan University	Interface Nonlinear Optical Spectroscopy in an Emerging Spectral Regime (Invited)
15:30-16:00	Break	
chair	Chuanshan Tian	
16:00-16:25	Qinghai Song Harbin Institute of Technology (Shenzhen)	Metalasers with arbitrarily shaped wavefront (Invited)
16:25-16:50	Yuao Chen University of Science and Technology of China	Quantum Manipulation with Ultracold Atoms (Invited)
16:50-17:05	Jiafang Li Beijing Institute of Technology	Deformable optical nanostructures and applications (invited)
17:05-17:20	Pua Chang Hong Tunku Abdul Rahman University	Numerical Simulation of the Response of Erbium-Doped Fibre Ring Laser (EDFRL) under Loss Modulation (invited)
17:20-17:35	Shuqi Chen Nankai University	TBA

Morning Session:

Date: October 22nd

chair	Xiaojun Liu	
10:50-11:15	Yuya Morimoto Institute of Physical and Chemical Research	Attosecond electron beams for ultrafast molecular imaging (invited)
11:15-11:30	Kaihui Liu Peking University	TBA
11:30-11:45	Chen Ge Institute of Physics, Chinese Academy of Sciences	Interface-engineered non-volatile visible-blind photodetector for in-sensor computing (invited)
11:45-12:10	Ruwen Peng Nanjing University	Matte surfaces with broadband transparency (Invited)

Afternoon Session:

Date: October 22nd

chair	Peixiang Lu	
14:00-14:25	Yutong Li Institute of Physics, Chinese Academy of Sciences	Generation and applications of intense laser-driven terahertz radiation (invited)
14:25-14:50	Satoshi Nihonyanagi Institute of Physical and Chemical Research	Ultrafast Vibrational Dynamics of Water at Interfaces (invited)
14:50-15:05	Yuxi Fu Xi'an Institute of Optics and Precision Mechanics of Chinese Academy of Sciences	The quantum interference in electron recombination processes of highly charged ions/ Intense attosecond light source (invited)
15:05-15:30	Xiaojun Liu Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences	Extreme-ultraviolet (XUV) frequency comb and its applications (Invited)
15:30-16:00	Break	
chair	Leong Chuan Kwek	
16:00-16:25	Shijie Xu Fudan University	Two-level quantum optics of the elementary

		excitations in few-layer WSe ₂ semiconductors (invited)
16:25-16:50	Peixiang Lu Huazhong University of Science and Technology	TBA
16:50-17:05	Rainer Dumke Nanyang Technological University	Atomic Quantum Sensing: Portable Gravimetry and Accelerometry (invited)
17:05-17:20	Zhe Yuan Fudan University	Magnetic damping in low-dimensional system: Quantum oscillation and symmetry constraint (invited)
17:20-17:35	Xiang Gao Institute of Applied Physics and Computational Mathematics	The quantum interference in electron recombination processes of highly charged ions (invited)

Afternoon Session:

Date: October 23rd

chair	Zengxiu Zhao	
14:00-14:25	Blair Blakie University of Otago	The Emergence of Supersolidity in Dipolar Quantum Gases (Invited)
14:25-14:50	Ye Tian Shanghai Institute of Optics and Fine Mechanics	Ultrafast Control of Polar Crystals using Terahertz Radiation (invited)
14:50-15:05	Yap Seong Shan Xiamen University Malaysia	Effects of laser beam size in ultrafast laser filamentation of ethanol (invited)
15:05-15:30	Jianing Chen Institute of Physics, Chinese Academy of Sciences	Manipulate Transient Hyperbolic Plasmons in Semiconductors (invited)
15:30-16:00	Break	
chair	Ye Tian	
16:00-16:25	Sadiq Rangwala	Imaging and studying the

	Raman Research Institute	dynamics of octupolar structural transitions in trapped-ion clusters (invited)
16:25-16:50	Zengxiu Zhao National University of Defense Technology	Coherent emission and attosecond absorption of molecules driven by strong laser fields (invited)
16:50-17:05	Haizhong Guo Zhengzhou University	Optical property of halide double perovskites tuned by external fields (invited)
17:05-17:20	Raymond Ooi University of Malaya	High Performance Quantum Optical Memory for Long-Distance Quantum Communication (invited)
17:20-17:35	Erjia Guo Institute of Physics, Chinese Academy of Sciences	TBA

Morning Session:

Date: October 24th

chair	Ya Cheng	
9:00-9:25	Dong Wu Shanghai Jiao Tong University	Multi-scale, multi-component, and multi-physics kinetic modeling of high-energy-density laser fusion (invited)
9:25-9:40	Taro Sekikawa Hokkaido University	New Insight into chemical reaction dynamics using high harmonic pulses in photoelectron spectroscopy (invited)
9:40-9:55	Weitao Liu Fudan University	Nonlinear Optical Studies on Low-Dimensional and Interface Systems (invited)
9:55-10:20	Xiulai Xu Peking University	Strong coupling between few/single excitons and plasmonic nanocavity (invited)

