

# XIOPM-RAP Joint Webinar on Photonics



中国科学院西安光学精密机械研究所  
XI'AN INSTITUTE OF OPTICS AND PRECISION MECHANICS OF CAS

Tuesday, November 16th, 2021 08:30 - 17:10 (Beijing Time) 09:30 - 18:10 (Tokyo Time)

Webinar Location zoom link (To be confirmed)  
Register in advance for the meeting <https://zoom.us/join/joinMeeting?meetingId=919876543210>

General Chairs Dr. Katsumi Midorikawa Director of RAP  
Dr. XIE Xiaoping Deputy Director of XIOPM

Co-Chairs Dr. Eiji J. Takahashi, RAP, Japan Dr. FU Yuxi, XIOPM, China

## Program

### Opening Remarks 08:30 - 08:50 (09:30 - 09:50)

Presider Tahei Tahara, RAP, Japan  
08:30-08:35 (Beijing time) Opening remarks Dr. Wei Zhao President of CAS Xi'an Branch  
09:35-09:40 (Tokyo time) Opening remarks Dr. Katsumi Midorikawa Director of RAP  
08:40-08:45 (Beijing time) Opening remarks Dr. Caiwen Ma Director of XIOPM  
Take photos

### Presentations

Presider Dr. Yuxi Fu, XIOPM  
09:50 - 10:10 (Tokyo Time)  
Title Introduction of RIKEN Center for Advanced Photonics (RAP)  
Speaker Dr. Katsumi Midorikawa, Director of RAP  
09:10 - 9:30 (Beijing Time)  
Title Introduction of Xi'an Institute of Optics and Precision Mechanics (XIOPM)  
Speaker Dr. Xiaoping Xie, Deputy Director of XIOPM

10:30 - 11:00 (Tokyo Time)  
Title Metamaterials for ultrasensitive spectroscopy  
Speaker Dr. Takuo Tanaka, Team Leader of Innovative Photon Manipulation Research Team

10:00 - 10:30 (Beijing Time)  
Title Super-resolution and 3D optical imaging with structured illumination  
Speaker Dr. Baoli Yao, Director of State Key Laboratory of Transient Optics and Photonics

11:30 - 12:00 (Tokyo Time)  
Title Table-top GW-scale intense attosecond pulse generation and characterization  
Speaker Dr. Bing Xue, Special Postdoctoral Researcher of Attosecond Science Research Team

11:00 - 11:30 (Beijing Time)  
Title Progress of attosecond science research in XIOPM  
Speaker Dr. Yuxi Fu, Deputy Director of Center for Attosecond Science and Technology

### 11:30 - 13:00 (12:30 - 14:00) Launch Time

Presider Dr. Eiji J. Takahashi, RAP  
14:00 - 14:30 (Tokyo Time)  
Title Revealing chemical reactions at the water surface by phase-sensitive ultrafast nonlinear spectroscopy Japan  
Speaker Dr. Tahei Tahara, Team Leader of Ultrafast spectroscopy Research Team

13:30 - 14:00 (Beijing Time)  
Title Ultrafast streak cameras for time-resolved measurements: current applications and future trends  
Speaker Dr. Xing Wang, Deputy Director of Key Laboratory of Ultra-fast Photoelectric Diagnostics Technology of CAS

15:00 - 15:30 (Tokyo Time)  
Title Advanced laser processing for fabrication of functional micro and nanodevices  
Speaker Dr. Koji Sugioka, Team Leader of Advanced Laser Processing Research Team

14:30 - 15:00 (Beijing Time)  
Title Femtosecond laser micromachining technology and equipment  
Speaker Dr. Feng Li, Photonic Manufacturing Systems and Application Research Center

### Tea break 15:00 - 15:15 (16:00 - 16:15)

16:15 - 16:45 (Tokyo Time)  
Title Terahertz Sensing, Imaging and Beyond  
Speaker Dr. Chiko Otani, Team Leader of Terahertz Sensing and Imaging Research Team

15:45 - 16:15 (Beijing Time)  
Title Chip-Level Optical Interconnects  
Speaker Dr. Binhao Wang, State Key Laboratory of Transient Optics and Photonics

### Panel discussion 16:15 - 17:00 (17:15 - 18:00)

Chair Dr. Katsumi Midorikawa, RAP  
Title To accelerate collaboration between XIOPM and RAP

### Closing Remarks 17:00 - 17:10 (18:00 - 18:10)

18:00 - 18:05 (Tokyo Time) Dr. Eiji J. Takahashi  
17:05 - 17:10 (Beijing Time) Dr. Xiaoping Xie