

Special Invited Session 23

Advanced Optical Nanometrology and Nanoscopy

In recent years, we have witnessed tremendous progress in building complex micro- and nanoscale systems and devices with intriguing functions and many promising applications in integrated circuits, biomedicine, green energy, etc. However, the working mechanisms of these systems and devices are not well studied, and the large-scale fabrication for a wider use remains challenging. To address these challenges and open up the discussions, this symposium focuses on frontier advances of optical nanometrology and nanoscopy, highlighting transformative technical breakthroughs designed to resolve challenges in noninvasive testing, nanoimaging, 3D metrology, biomedical imaging, etc. By bringing in together experts across Optics, MEMS, and Metrology, we aim to promote the development of next generation optical nano-precision testing platforms and inspire new research frontiers at the micro and nano scale.



Special Invited Session Chairs



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Paper Submission

For the initial submission, the authors can select one of the following two types:

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- Step 2: After filling in the basic paper information, please select the topic “**SIS23 – Advanced Optical Nanometrology and Nanoscopy.**”

Important Dates

Initial Submission (Full Paper or Extended Abstract)	Jan. 31, 2026
Notification of Acceptance	Feb. 10, 2026
Late-News Submission Deadline	Feb. 28, 2026
Early Registration Deadline	Mar. 10, 2026
Presentation-Only Submission Deadline	Mar. 10, 2026
Final Submission Deadline	Mar. 10, 2026

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