

Optical Terahertz Science and Technology (OTST2026)

April 12-17, 2026 Duke University
JB Duke Hotel, 230 Science Dr, Durham, NC 27708, USA

The 11th International Conference on Optical Terahertz Science and Technology (OTST 2026) will bring together researchers from around the world to present and discuss the most recent advances in terahertz (THz) research, ranging from fundamental science to cutting edge developments in THz technology. The conference will be hosted by the Department of Electrical and Computer Engineering in the Pratt School of Engineering at Duke University in Durham, North Carolina. It follows the previous ten conferences held in countries around the World.

Topics

- Generation and Detection
- Spectroscopy
- Far-field and Near-field Imaging Techniques
- Ultrafast dynamics & Nonlinear Phenomena
- Materials
- Artificial electromagnetic materials
- Semiconductor Physics and Devices
- Quantum Optics and Phenomena
- Communications and Systems
- Biology and Biomedical Applications
- Artificial Intelligence and Signal Processing
- Industrial Applications

Chairs

Willie Padilla, Duke University
Hassan Arbab, Stony Brook University

Technical Committee

Hou-Tong Chen, Los Alamos National Laboratory
Michael Johnston, University of Oxford