

October 8-11, 2024

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Recent Freeform Fabrication Processing Science Developments

Tayyab Suratwala, PhD | Lawrence Livermore National Lab



Optical Metrology for Advanced Optical Systems

Prof. Daewook Kim | University of Arizona



Automated Scratch/Dig Inspection According to ISO 10110-7 with The Argos Matrix

Kaitlin Dunn, PhD | Dioptic, Inc.



How Fused Silica Enabled a Nobel Prize: LIGO's Optics

Wolfgang Schlichting | Heraeus



Laser Damage, Causes, Mitigation & Measurement

Nathan Carlie, PhD | Edmund Optics



Ultrafast Optics; Definition, Applications & Issues

Olivia Wheeler-Williams, PhD | Edmund Optics



Machine Automation

Dave Mohring | Optipro



Semiconductor Supermirrors: Enabling Precision Metrology in the Infrared

Garrett Cole, PhD | Thorlabs



Improving the Stability of the Ultrasonic Cleaning Process

Tyler Wheeler | Ecoclean, Inc.

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Metrology of Glass Materials using Frequency Scanning Interferometry

Tom Dunn, PhD | Corning



Fractography and Fracture Mechanics During Optical Fabrication

Tayyab Suratwala, PhD | Lawrence Livermore National Lab



Recent Developments in Polishing Materials

Justin Mahanna | Universal Photonics



Choosing the Right Polish

William Gemmill, PhD | Pureon



The Right Chemistry for Ultrasonic Cleaning

Thomas Marchal | NGL Cleaning Tech



Chalcogenide Glass Recycling and Plans for Infrared Material Growth

David Shelton, PhD | AmeriCom



Training Tomorrow's Opticians – AmeriCom-Supported Workforce Development Ecosystems

Kirsten Nobel, PhD | AmeriCom



Why You Can't Ignore the CMMC

Kyle Simonis | Simonis Consulting



Optics & Photonics Industry Developments

SPIE | Kent Rochford