



## THURSDAY | Nov. 10th

8:15 Morning Introduction **LEE STENEKEN | APOMA**

8:30 Laser Damage Measurements & Novel High Power Laser Metrology  
**MIKE THOMAS | SPICA TECHNOLOGIES**

9:00 Fabrication Methods and Challenges of Freeform Optics  
**DAVE MOHRING | OPTIPRO**

10:00 Coffee Break – [Sponsored by HERAEUS]

10:15 Optimizing Your Polishing Process with the Proper Pad/Polish Combination  
**GARY ANDRESKI + DAVID SCHAWARZ | NGL GROUP**

11:00 Increasing Throughput of Direct Energy Beam Directors  
**MIKE HYMAN | OPTIMAX**

Noon Lunch Break - Sponsored by Spica Technologies

1:00 Radiation Hardness of Fused Silica  
**HERAEUS**

1:45 Deterministic Pitch Polishing  
**JUSTIN MAHANNA | UNIVERSAL PHOTONICS**

2:45 Snack Break – [Sponsored by PR Hoffman]

3:00 International Trade Regulations and Government Contracting  
**KERRY SCARLOTT | NORTHSTAR LAW**

3:45 Day 1 - Closing Statements **LEE STENEKEN | APOMA**

4:00 Happy Hour – [Sponsored by Schott]

8:30am

NIST  
MORNING  
TOUR

11:30am

1:00pm

NIST  
AFTERNOON  
TOUR

3:45pm



## FRIDAY | Nov. 11th

8:25 Morning Introduction **LEE STENEKEN | APOMA**

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8:30 New Developments in ISO Standards  
**DAVE AIKENS | SAVVY OPTICS**

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9:15 Understanding Coolants and Trizact  
**CHRIS RUSSELL | UNIVERSAL PHOTONICS**

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10:00 Coffee Break – [Sponsored by HERAEUS]

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10:15 Useful Rules-of-Thumb for Optical Fabrication  
**TAYYAB SURATWALA | LAWRENCE LIVERMORE NATIONAL LABS**

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11:15 Differences and Effects of Two Machine Concepts on the  
Manufacturing Process of Aspherical and Freeform Lenses  
**MATTHIAS PFAFF | OPTOTECH**

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Noon Lunch Break - Sponsored by Spica Technologies

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1:00 How Mechanical and Chemical Reactions Impact Ultra-Low Roughness Polishing  
**JAYSON NELSON | EDMUNDS OPTICS**

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1:45 How the Optical Manufacturing Apprenticeship Program can Help Your Company  
**ALEXIS VOGT + ROSS MICALI | MONROE COMMUNITY COLLEGE**

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2:30 Snack Break – [Sponsored by PR Hoffman]

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2:45 Front Range Community College **AMANDA MEIER | FRCC**

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3:00 The Two Primary Missions of AmeriCOM **JEFF RUCKMAN | AMERICOM**

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3:15 Tribute to John Grievenkamp Presentation **SPIE**

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3:30 Workshop Conclusion **LEE STENEKEN | APOMA**