

INDUSTRIAL LASER

CONFERENCE 2022

HOSTED AT



IMTS2022

SEPTEMBER 12 - 17, 2022 • MCCORMICK PLACE • CHICAGO

SEPT. 14
2022

McCormick Place
Chicago, IL USA

Don't be left behind! This conference will teach you how to incorporate lasers into your manufacturing processes to stay competitive in the current high-tech market. We will cover industrial applications of lasers, such as: Additive Manufacturing, Cutting, Welding, Marking and more. Most importantly, we will show you how to apply lasers to increase your profits and efficiency.

Presented by:



Who Should Attend?

- Production Specialists
- Production Managers
- Manufacturing Specialists
- Manufacturing Engineers
- Automation Engineers
- Directors of Manufacturing
- Design Engineers
- Technicians
- Equipment Engineers
- And more



CONFERENCE AGENDA*

9:30 AM

Conference Welcome

Robert Mueller, Massiv Automated Systems; **Steven Glover**, The Laser Institute

Session I: Tracking Trends in Lasers

Presentation 1

9:35 AM

Keynote: A Sampling of Laser Applications

Robert Mueller, Massiv Automated Systems

Presentation 2

10:10 AM

Optimum Utilization of Lasers in Modern Manufacturing

Paul Denney, Pratt & Whitney

10:40 AM

Break

Session II: Technology Advancing

Presentation 3

11:00 AM

Selecting the Right Laser Source for your Application

JP Lavoie, Coherent Inc.

Presentation 4

11:25 AM

How to Get Started in Lasers: Resources for Evaluating Laser Processing

Eric Stiles, Precitec

Presentation 5

11:50 AM

Design and Planning for Laser Welding Applications

Stan Ream, SR Laser Consulting

12:20 PM

Lunch

Session III: Today's Challenges

Presentation 6

1:30 PM

Laser Cutting 3D Parts: Selecting the Right Type of System - Cartesian or Custom Robotic

Tracy Ryba, TRUMPF Inc.

Presentation 7

1:55 PM

Laser Safety for Production Laser Systems

Robert Mueller, Massiv Automotive Systems

Presentation 8

2:20 PM

Laser Processing Non-Metals

Marco Mendes, IPG Photonics, Inc.

Presentation 9

2:45 PM

Quality Monitoring and Inspection of Laser Processes

Paul Webster, IPG Photonics, Inc. - Canada

3:10 PM

Break

Session IV: Trends in the Trenches

Presentation 10

3:30 PM

Case Studies: End User Stories #1: Additive Manufacturing

TBD

Presentation 11

3:50 PM

Case Studies: End User Stories #2: E-Mobility

TBD

Presentation 12

4:10 PM

Case Studies: End User Stories #3: Laser Cleaning

TBD

4:30 PM

Q&A Session - Ask the Experts

5:00 PM

Reception

CONFERENCES CALENDAR

ABOUT LIA AND ITS CONFERENCES

LIA's conferences serve as the town square of the laser community, bringing the university researcher, the business executive, and the production floor user together under one roof for a unique and rewarding networking opportunity.

LIA is the professional society for laser applications and safety. Our mission is to foster lasers, laser applications and laser safety worldwide. Serving the industrial, medical, research and government communities for over 45 years, LIA offers technical information, training and networking opportunities to laser users from around the globe.



41ST INTERNATIONAL CONGRESS ON
APPLICATIONS OF LASERS & ELECTRO-OPTICS

OCTOBER 17-20, 2022

Rosen Centre®
Orlando, FL USA

The 41st annual **International Congress on Applications of Lasers & Electro-Optics ICALEO®** is back in Orlando, Florida for 2022. We hope to see you at this year's in-person event at the beautiful Rosen Centre® Hotel where researchers and end-users will meet to review the state-of-the art in laser materials processing and predict where the future will lead. From its inception, ICALEO has been devoted to the field of laser materials processing and is viewed as the premier source of technical information in the field.



LIA's **Laser Additive Manufacturing Workshop (LAM®)** is undergoing a reboot! – LIA commenced engagement on and promotion of laser additive manufacturing some 10 years ago through our LAM workshops. Since additive manufacturing is the fastest growing sector of manufacturing, with lasers specifically having many benefits in the industry. LIA has begun virtual workshops (LAM Presents) and will be bringing back the in-person LAM workshop (LAM Live) coming up in 2023.



INTERNATIONAL LASER
SAFETY CONFERENCE

FEBRUARY 27 - MARCH 2, 2023

Hyatt Regency® Portland
Portland, OR USA

The **International Laser Safety Conference (ILSC®)** is a comprehensive four-day conference covering all aspects of laser safety practice and hazard control. Scientific sessions will address developments in regulatory, mandatory and voluntary safety standards for laser products and for laser use. The Practical Applications Seminars (PAS) complement the Scientific Sessions by exploring everyday scenarios that the LSO and MLSO may encounter.