Advance Program

Conference General Chair
Benjamin Rockwell, U.S. Air Force Research Laboratory

Medical Practical Applications Seminar Co-chairs
Vangie Dennis, WellStar Health Systems
Patti Owens, AestheticMed Consulting International

Laser Safety Scientific Sessions Chair
Karl Schulmeister, Seibersdorf Laboratories

Technical Practical Applications Seminar Co-chairs
Eddie Ciprazo, University of California, Berkeley
Jamie King, Lawrence Livermore National Laboratory

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Rockwell Laser Industries and UL are proud to serve as Diamond co-sponsors of the 2019 International Laser Safety Conference. Be sure to visit our displays and speak with our safety experts during the ILSC® sponsor reception on March 19, 2019.

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**ILSC® 2019 CONFERENCE AGENDA**

**Sunday, March 17**
- 9:00am  ASC Z136 Annual Meeting
- 1:00pm  Registration Desk Open
- 4:00pm  Welcome Reception

**Monday, March 18**
- 7:00am  Registration Desk Open
- 7:15am  Session Chair Appreciation Breakfast
- 8:30am  Opening Plenary Session
- 9:00am  Bookstore Open
- 10:10am  Morning Break
- 10:40am  LSS Session 1: Bioeffects I
- 12:00pm  Awards Luncheon
- 2:00pm  LSS Session 2: Bioeffects II
- 3:20pm  Afternoon Break
- 3:40pm  LSS Session 3: Bioeffects III
- 5:30pm  BLS Reception

**Tuesday, March 19**
- 8:00am  Registration Desk & Bookstore Open
- 9:00am  LSS Session 4: Standards
- 10:20am  Morning Break
- 10:40am  LSS Session 5: IEC 60825-1
- 12:00pm  Lunch on own
- 1:30pm  LSS Session 6: Regulations
- 2:50pm  Afternoon Break
- 3:20pm  Industry Business Session: Panel Discussions and Presentations
- 5:30pm  Industry Business Session: Sponsor Reception

**Wednesday, March 20**
- 8:00am  Registration Desk & Bookstore Open
- 9:00am  LSS Session 8: Broadband Radiation
- 9:00am  Technical PAS Session 8: Laser Safety for the Generalist
- 10:20am  Morning Break
- 10:40am  LSS Session 9: Measurements and Analysis
- 12:00pm  Lunch on own
- 1:30pm  LSS Session 10: Modeling of Risk
- 2:50pm  Afternoon Break
- 3:20pm  LSS Session 11: Safe Use
- 4:00pm  Techniical PAS Session 11: Regulations and the FDA (Panel and Open Forum)

**Thursday, March 21**
- 8:00am  Registration Desk & Bookstore Open
- 9:00am  LSS Session 12: Product Safety I
- 9:00am  Technical PAS Session 12: Laser Safety for the Practitioner
- 10:20am  Morning Break
- 10:40am  LSS Session 13: Product Safety II
- 12:00pm  Lunch on own
- 1:30pm  Closing Plenary Session
- 4:00pm  Farewell Break

*Program subject to minor changes*
I am eagerly anticipating joining you in networking and learning at this year’s ILSC. We will meet in Kissimmee, Florida for a conference for both learning the current best practices in laser safety, and also where the future of the science and standards for laser safety is heading.

I recently came across a proceedings of a meeting entitled “The First Conference on Laser Safety” which was held in Orlando, Florida in 1966 (note, not affiliated with LIA). In that proceedings, some of the same questions we address at ILSC 2019 were asked involving bioeffects, control measures, management of accidents, and materials for laser eye protection. We address many of those same topics this year, although on much more advanced laser systems. At ILSC 2019 will progress significantly past the topics in that early conference. We will review many cutting-edge laser applications and how experts in the field develop a corresponding program for safe use of those lasers. We’ll also learn about developments in laser safety standards; you might even find some help in planning your current application from the topics addressed at this conference.

Take time to network with those at the conference. If you introduce yourself to me, I’ll let you know the one name of a person I found who attended that 1966 conference who is also at ILSC 2019.
WHAT'S IN THE VAN?

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PHOTON 1

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PLENARY SESSIONS

Opening Plenary Session: Lasers and You
Monday, March 18 • 8:30am

Plenary Session Chair:
Benjamin Rockwell, U.S. Air Force Research Laboratory, Fort Sam Houston, TX, USA

ILSC® 2019 will feature two renowned speakers for our opening plenary session entitled “Lasers and You”. This session will open with Dr. MJ Soileau, the Distinguished Prof. of Optics, Physics, and EE at the College of Optics and Photonics (CREOL), part of the University of Central Florida. As a pioneer in optics and photonics in the central-Florida area, Dr. Soileau will present a talk entitled “CREOL, the College of Optics and Photonics: A Personal Reflection”. The next plenary talk will be given by Dr. Ralf Brinkmann from the Institute of Biomedical Optics at the University of Lübeck, Germany and Medical Laser Center Lübeck, Germany. He will present a talk entitled “Laser damage thresholds of the RPE in the thermomechanical to thermal transition zone (ns-µs)”.

Dr. MJ Soileau is a world renowned professor who has served as the director of CREOL between 1987 and 1999, and Vice President for Research at the University of Central Florida between 1999 and 2016. CREOL is the premier university in optics and photonics and has a continuing synergistic relationship with the Laser Institute of America, as they are both located in the Orlando, Florida area. Dr. Soileau’s plenary presentation will showcase the outstanding quality and growth of CREOL, and highlight specific accomplishments over the past 30+ years.

The plenary presentation by Dr. Brinkmann will outline interesting details on the selective retina therapy (SRT) technique pioneered by him and his group. The aim of SRT is to medically selectively treat the retinal pigment epithelium layer of the retina without adverse effects to adjacent tissues. The technique has the potential to revolutionize the medical treatment of age related macular degeneration and other retinal diseases. Both speakers bring critical information to all laser safety professionals and will address today’s hot topics for all ILSC attendees.

Closing Plenary Session:
Beyond Laser Safety
Thursday, March 21 • 1:30pm

Plenary Session Co-chairs:
Benjamin Rockwell, U.S. Air Force Research Laboratory, Fort Sam Houston, TX, USA
Karl Schulmeister, Seibersdorf Laboratories, Seibersdorf, Austria

The closing plenary session features presentations that discuss issues beyond classical laser safety topics, such as the problem that laser protective features may present a hazard in themselves or ergonomics questions related to laser usage. The densely packed closing plenary session also deals with the safety of autonomous vehicles equipped with LIDAR and lasers as guide stars for telescopes. To close ILSC, two presentations provide food for thought on the conceptual approach to laser safety.

CREOL, the College of Optics and Photonics: A Personal Reflection (OP101)
MJ Soileau
University of Central Florida, College of Optics and Photonics

Laser damage thresholds of the RPE in the thermomechanical to thermal transition zone (ns-µs) (OP102)
Ralf Brinkmann
Institute of Biomedical Optics at the University of Lübeck, Germany and Medical Laser Center Lübeck, Germany.

Laser Guide Stars Systems in Astronomy and Aircraft Avoidance (C101)
Gustavo Rahmer

Laser Safety Fortresses Can Be Dangerous (C102)
John Tyrer

Autonomous Vehicle Safety (C103)
Mark Shand

Ergonomics in the Laser Lab(C104)
Ken Barat

Laser Technology and Safety, the First Half-Century, or so (C105)
Tom Lieb

Solving a Quantum Riddle for Laser Safety: Do We Lead, Follow, or get the Photon out of the Way?
Randy Paura
Welcome Reception
Sunday, March 17 • 4:00pm

Kick-start the ILSC week catching up with old friends, new attendees and the LIA Team at the Welcome Reception on Sunday afternoon. Enjoy the relaxed environment of the hotel’s Key West Terrace ahead of the week’s Practical Application Seminars, Scientific Sessions and Ancillary Meetings.

Awards Luncheon
Monday, March 18 • 12:00pm

The opening day of ILSC® features an Awards Luncheon and presentation. Enjoy lunch with conference attendees and the LIA Team as we congratulate this year’s line-up of award winners, recognising their contributions to the field of laser safety.

LIA presents the George M. Wilkening Award to recognize individuals who have made extensive contributions to laser safety in science, medicine, industry or education. The R. James Rockwell Jr. Educational Achievement Award is presented in recognition of outstanding contributions in laser safety education.

The 2019 George M. Wilkening Award is presented to:

**Robert J. Thomas**
U.S. Air Force Research Laboratory, Fort Sam Houston, TX, USA

**Sponsored by:**

The 2019 R. James Rockwell Jr. Educational Achievement Award is presented to:

**Jamie King**
Lawrence Livermore National Laboratory
Livermore, CA, USA

Sponsor Reception
Tuesday, March 19 • 5:30pm

Be a part of the world’s leading laser safety conference through one of our multiple sponsorship packages. Our tiered packages give you the opportunity to engage with attendees throughout the conference, including during our Laser Safety Scientific Sessions, Technical Practical Applications Seminars and Medical Practical Applications Seminars. All sponsorship packages include a booth space with electricity during the Tuesday evening Sponsor Reception. For more information, please contact the LIA Team at marketing@lia.org or +1.407.380.1553.

**Sponsored by:**

Industry Business Session: Panel Discussions & Presentations
Tuesday, March 19 • 3:20pm

Engage in thought leadership discussions with industry experts as they discuss key developments, issues and innovations revolving around laser safety. Speakers will also share the stage as they present the latest solutions for the evolving landscape of the industry.
LASER SAFETY SCIENTIFIC SESSIONS (LSSS)

Conference Chair:
Karl Schulmeister, Seibersdorf Laboratories, Seibersdorf, Austria

The Laser Safety Scientific Sessions (LSSS) of ILSC® 2019 provide the platform for a truly outstanding assortment of presentations from all fields of laser safety—from bioeffects research to probabilistic risk assessment, from safety management programs to regulations. The 2019 LSSS are particularly strong on product safety standards and the design of safe consumer products, reflecting that laser technology permeates into various types of consumer products, where safety by design is imperative. Attend ILSC 2019 for valuable networking opportunities as well as accessing the expertise of leading experts in national and international standardization and research!

LSS Session 1: Bioeffects I
Monday, March 18 • 10:40am
Session Chairs: Jack Lund; Robert Thomas

Informational Bioeffects Atlas of Laser Lesions (IBALL) – Developing an Online Database for Clinicians and Researchers (101)
Amanda Peterson

Femtosecond Pulses Delivered with Adaptive Optics Selectively Damage the Photoreceptor Layer in Macaque (102)
Jennifer Hunter

Revisiting Laser Exposure Limits for Intended Viewing (103)
David Sliney

Ocular Effects of Light: A Selected Look at the Photic Effects of Light Pertinent to New Sources (104)
Bruce Stuck

LSS Session 2: Bioeffects II
Monday, March 18 • 2:00pm
Session Chairs: Bruce Stuck

Time Dependence of Laser-induced Thermal Retinal Injury (201)
David Lund

Computer Modelling to Support Laser Safety Analysis of Pulse Trains with Varying Peak Power and Pulse Duration (202)
Mathieu Jean

Simulation-Based Analysis of Arbitrary Asymmetric Retinal Images (203)
Chad Oian

Eye Safety Evaluation of Laser Systems Based on Damage Calculations (204)
Nico Heussner

LSS Session 3: Bioeffects III
Monday, March 18 • 3:40pm
Session Chairs: David Sliney, Robert Aldrich

Non-linear Optical Hazards from Near-infrared Ultrafast Laser Pulses in Ocular Tissue (301)
Adam Boretsky

Simulated Supercontinuum Generation in the Human Eye (302)
Benjamin Rockwell, Christopher Marble

Comparison of Corneal Injury Thresholds with Laser Safety Limits (303)
Karl Schulmeister

Visible Lesion Threshold Modeling of Skin Laser Exposure at 1070-nm (304)
Michael DeLisi

LSS Session 4: Standards
Tuesday, March 19 • 9:00am
Session Chairs: Thomas Lieb

Update on Z136.8 Laser Safety in Research, Development & Testing (401)
Ken Barat

VERISA (Virtual Environment for Real-time Safety Awareness) (402)
Nathaniel Leon, Scott Wohlstein

Laser Product Safety Standardization Projects of CENELEC TC 76 (403)
Jan Daem, Annette Frederiksen, Karl Schulmeister

International Electrotechnical Commission and American National Standards Institute Publications Update and New Developments (404)
William Ertle, Annette Frederiksen
LSS Session 5: IEC 60825-1
Tuesday, March 19 • 10:40am
Session Chairs: Bill Ertle

Investigation on Continuously Scanning Laser Systems Classified 3R under the IEC 60825-1 Edition 3.0 in Consumer Products (501)
Gaël Pilard

Overview on the Status of the TC76 Virtual Protective Housing Project (502)
Jay Parkinson

Moving Platforms: Update on Standards Development for Laser Product Classification (503)
Casey Stack

IEC TR 60825-5 Ed. 3 “Manufacturer’s Checklist” – a new tool for manufacturers to comply with IEC 60825-1 ed. 3 (504)
Wlodzimierz Strzelecki

LSS Session 6: Regulations
Tuesday, March 19 • 1:30pm
Session Chairs: John Tyrer, Jay Parkinson

Driver’s License. Liquor License. Laser License? (601)
Randolph Paura

Trevor Wheatley

Reducing Hazards of Consumer Laser Pointer Misuse (603)
Patrick Murphy

From a Call of Evidence to a New Law in the UK, Changes in the Last 18 Months (604)
Michael Higlett

LSS Session 8: Broadband Radiation
Wednesday, March 20 • 9:00am
Session Chairs: Jan Daem, Casey Stack

Lamp and LED Safety – Classification vs. Realistic Exposure Analysis (801)
Karl Schulmeister

How Hazardous is the Sky? (802)
Neil Haigh

A Revision of Ultraviolet MPEs (803)
David Sliney

Optical Hazard Assessment of 6W Extended Laser Source using Laser Safety (60825) and Lamp Safety (62471) Guidelines (804)
Neil Haigh

LSS Session 9: Measurements & Analysis
Wednesday, March 20 • 10:40am
Session Chairs: Sheldon Zimmerman, Michael Higlett

Reducing the Eye Hazard Posed by DPSS Green Laser Pointer Via Accurate Measurement of Time-Dependent Radiant Power Characteristics (901)
Wlodzimierz Strzelecki

The Practice of Far Field Divergence Measurement for the Purpose of NOHD Assessment (902)
Ronald Mallant

Consideration of Wave Optical Phenomena for Retinal Images in Laser Safety Evaluations (903)
Sebastian Kotzur

Freaky Fast Filter Facts - Using a Smartphone to Characterize Optical Filters (904)
Wesley Kinerk, Craig Williamson

LSS Session 10: Modeling of Risk
Wednesday, March 20 • 1:30pm
Session Chairs: Edward Early, Karl Schulmeister

Canopies – Curse or Cure for Laser Eye Dazzle? (1001)
Craig Williamson

Human Retinal Laser Dose-Response Model (1002)
Elharith Ahmed

Probabilistic Laser Hazard Modelling for a Fifth-Generation Low-Observable Laser Designator System (1003)
Brian Flemming

Construction and Utilization of Probabilistic Dynamic Bidirectional Reflectance Distribution Functions (1004)
Albert Bailey
LSS Session 11: Safe Use  
Wednesday, March 20 • 3:20pm  
Session Chairs: Ken Barat, Anthony Zmorenski

**What's In Your Laser? (1102)**  
Tekla Staley

**Being on the Receiving End of a Government Laser Safety Inspectors Formal Laboratories Inspection (1103)**  
John Tyrer

**Lasers Decommissioning and Practical Laser Training (1104)**  
Sandu Sonoc

**Z535 Compliance for Laser Safety (1105)**  
Randolph Paura

LSS Session 12: Product Safety I  
Thursday, March 21 • 9:00am  
Session Chair: Casey Stack, Annette Frederiksen

**Safe Design of Laser Consumer Products (1201)**  
Erwin Lau

**Outdoor Range Finding and Laser Safety Limits (1202)**  
Thomas Piok

**Notes on the Determination of the Angular Subtense of the Apparent Source in Laser Safety (1205)**  
Karl Schulmeister

**Retinal Hazard Analysis for Laser and LED Illumination for Close-in, Long Duration Exposure (1204)**  
Nicholas Horton

LSS Session 13: Product Safety II  
Thursday, March 21 • 10:40am  
Session Chairs: Jay Parkinson, Trevor Wheatley

**The Effect of Liquid Droplets on Laser Safety for Consumer Products: A Numerical Model (1301)**  
Kevin Pollock, Edward Fei

**Safety Issues Concerning Technical Realization and Usage of a Mobile Laser Rescue Device (1302)**  
Jörg Hermsdorf

**The Design of Medical Laser Surgery Dermatology Hand-Pieces for Radiation Control and Direct Extraction of Infectious Laser Generated Plume (1303)**  
John Tyrer

**CoLaSE (Common Laser Safety Environment) (1304)**  
Scott Wohlstein

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Poster Presentations  
Monday - Thursday, March 18 - 21

**Optimization of Thermal Protocols during Diode Irradiation of Dental Implants (P101)**  
Nicholas Montanaro, Georgios Romanos

**Laser Projection System and Associated Risk Analysis (P102)**  
Gaël Pilard

**Laser Lighting Effects Exposure Potential (P103)**  
James Stewart

**Laser Safety Measures at HiLASE Centre (P104)**  
Helena Vohnikova

**Risk Based Regulations of Handheld Lasers (P105)**  
Martin Lindgren

**Comparison of Cornea and Skin Multiple Pulse Injury Thresholds with Laser MPEs (P106)**  
Mathieu Jean

**Being a Laser Safety Officer in a Province without Specific Regulation regarding Laser Users: Issues and Laser-related Accidents (P107)**  
Annie Mercier

**Laser Eye Safety from R&D to Mass Production for the Consumer Market (P109)**  
Bozinova Luna, Daniel Pérez Calero
The Medical Practical Applications Seminar (MPAS) is an essential two-day conference for all professionals working with medical laser devices. This program is designed to meet the various educational needs of the Medical Laser Safety Officer along with that personnel working in operating rooms, surgical centers, aesthetic clinics, veterinary clinics, medical research labs, mobile laser companies, and medi-spas. Cognitive gaps do exist related to national governmental regulations, state statutes, and evidence-based practices regarding what is essential for a facility-based laser safety program. This conference is constructed to bring all attendees the most current safety regulations and practice standards.

The Medical PAS faculty is composed of a very dynamic team of experts who will provide the latest information on cutting-edge laser technology, beam, and non-beam hazards and laser safety hazard analysis. Attendees will benefit from information that can be integrated strategically into their facility-based laser program in order to strategically affect their safety outcome.

**Conference Co-chairs:**

Vangie Dennis
WellStar Health Systems
Atlanta, GA, USA

Patti Owens
AestheticMed Consulting International, La Quinta, CA, USA

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**Medical PAS Session 1**
Monday, March 18 • 10:40am

*New ANSI Z136.3 - What Has Changed (MP101)*
Penny Smalley

*Creating a Business Case and Plan for Smoke Evacuation (MP102)*
Kay Ball

**Medical PAS Session 2**
Monday, March 18 • 2:00pm

*Rules of the Road for Driving Lasers Safely (MP201)*
June Curley

*Legal Aspects of a Laser Safety Program (MP202)*
Kay Ball

**Medical PAS Session 3**
Monday, March 18 • 3:40pm

*Facilitating Laser Safety Compliance within the Environment of Care of a Large Health System. (MP301)*
Veronica Villalon

*Integration of a Laser Safety Program in an Expanding Health Network by a Designated Medical Laser Safety Department (MP302)*
Devin Kline, Brian Piekarski

**Medical PAS Session 4**
Tuesday, March 19 • 9:00am

*National and International Laser Plume: Regulations and Initiatives (MP401)*
Penny Smalley

*Surgical Smoke Evacuation Laws How Can You Get Ahead of the Coming Legislative Efforts? (MP402)*
Robert Scroggins

**Medical PAS Session 5**
Tuesday, March 19 • 10:40am

*Update on Laser Ocular Injuries (MP501)*
Patricia Owens

*Laser Safety on the Move with a Fire Risk Assessment Tool Prior to Laser Use Intraoperatively (MP502)*
Barbara Robinson

*Airway: Life and Breath (MP503)*
Vangie Dennis

**Medical PAS Session 6**
Tuesday, March 19 • 1:30pm

*The Safety Implications of Peri-implant Defect Morphology on Temperature Changes During CO2-Laser Decontamination (MP601)*
Georgios Romanos

*Viable Pathogen Aerosols Produced during Laser Dermatology Surgery – a Quantified Analysis (MP602)*
John Tyrer

*Health Care Laser Hazards Relative to Application Risks (MP603)*
Richard Gama

*Third party Laser Asset Management—is it Right for You? (MP604)*
June Curley
Conference Co-chairs:

Eddie Ciprazo
University of California, Berkeley, CA, USA

Jamie King
Lawrence Livermore National Laboratory, Livermore, CA, USA

The theme for this year’s Technical Practical Applications Seminar (TPAS) is “Laser Safety for the 21st Century”. Laser Safety Officers (LSOs) dealing with lasers from milliwatts to petawatts will benefit from this unique event. Whether you are working with a budget to make it happen or just to do the best you can, find out how to others are making it work. This is the largest gathering of laser safety experts from academia, industry and government research labs that you will find anywhere in the world.

• Share the ways you have found to make your laser operations safe
• Learn how others are tackling the tough issues
• Present a paper and be recognized by your peers

Whatever your laser safety obstacle may be, rest assured someone has tackled it. So why continue to hit the wall looking for solutions? Come to TPAS 2019 and find answers.

Technical PAS Session 8: Laser Safety for the Generalist
Wednesday, March 20 • 9:00am
Session Chair: Jamie King

Laser Safety Programs: What Works and What Doesn’t (TP801)
Jennifer Goodnight

So, You Think You Laser Safety Program Is Going Well: Are You Really Sure? (TP802)
Simon Lappi

Performing a Laser Audit, Eyes on the Table (TP803)
Phillip Broughton

For the CLSO: The Written Laser Safety Program (TP804)
Randolph Paura

Technical PAS Session 9: Laser Safety for the Specialist
Wednesday, March 20 • 10:40am
Session Chair: Matt Quinn

Making it Class 1... (TP901)
Thomas Lieb

Controls for Multi-wavelength, Tunable and Continuum Lasers (TP902)
Michael Woods

Laser Safety at a Large Facility (TP903)
Radu-Costin Secareanu

Beyond Class 4, Laser Safety Controls for Very High-Power Lasers (TP904)
Jamie King

Technical PAS Session 10: The Optical Grab Bag
Wednesday, March 20 • 1:30pm
Session Chair: Tom Lieb

Laser Eyewear, As LSO What do I Need to Know? (TP1001)
Josh Hadler

Calculating Laser Eyewear Effective OD and VLT using Manufacturer OD Curves (TP1002)
Igor Makasyuk

Non-Beam to the Extreme! (TP1003)
Wesley Chase

Incoherent Light Sources, Why Worry? (TP1004)
David Sliney

Technical PAS Session 11: Regulations and the FDA
Wednesday, March 20 • 3:20pm
Session Chair: Jamie King

FDA Presentation and Open Forum

Technical PAS Session 12: Laser Safety for the Practitioner
Thursday, March 21 • 9:00am
Session Chair: Judi Reilly

Optical Table Fundamentals and Breadboard Demonstration (TP1202)
Chrysanthos Panayiotou

Laser Power Measurement Made Easy and Accurate for the LSO and the Practitioner Needs (TP1203)
Félicien Legrand

Technical PAS Session 13: Now What?
Thursday, March 21 • 10:40am
Session Chair: Barbara O’Kane

You Just Had a Laser Accident, What Do You Do Now? (TP1301)
Rock Neveau

Human Performance Improvement -- How Does It Benefit Your Laser Incident Investigations (TP1302)
Aaron Potash

Laser Accident Working Group Report (TP1303)
Ken Barat

Networking, Certification, and More (TP1304)
DeWayne Holcomb
PLEASE PRINT OR TYPE ☐ Prof. ☐ Dr. ☐ Mr. ☐ Mrs. ☐ Ms. ☐ Miss

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Business Affiliation

Dept. / Bldg. / Mail Stop / etc.

Street Address or P.O. Box

City / State / Zip (Postal Code) Country

Phone Number Email

Emergency Contact Name: Contact Phone Number

All above information must be provided to process registration.

Attendee Directory & Email Preferences:

In order to be included in the Conference Attendee Directory, you must select one or more of the below options. If you do not select any of these options, you and/or your organization will be excluded from the Conference Attendee Directory.

Please check all that apply:
☐ Include my Employer/ Organization Name
☐ Include my Email Address
☐ Include my City, State/Province, and Country

†Note: If you have selected any of the above options, your first and last name will be displayed alongside the desired selection(s).

☐ I would like to receive communications about future ILSC events.

A. Registration (Full, Two-Day, One-Day)

Full registration includes admission to all sessions, the Welcome Reception, Awards Luncheon, Sponsor Reception and a copy of the Conference Program & Proceedings.

One day/ two day registration includes admission to sessions and receptions on registered days only and a copy of the Conference Program & Proceedings.

Check member status: Member of ☐ BLS ☐ ICSP ☐ ILDA ☐ LIA Membership* # ______________

*Society membership must be valid through March 2019 to take advantage of member rates.

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Monday/ Tuesday ☐ MPAS Only ☐
Tuesday/ Wednesday ☐ TPAS Only ☐
Wednesday/ Thursday ☐

†Please note: Student registration will not be processed without a copy of your valid Student ID. Please include with registration form.

B. Guest Tickets

*Non-Industry guests only

☐ Spouse/Guest Package Ticket(s) $155 × ______________ (# of guests) = $ ______________

Includes: Welcome Celebration, Awards Luncheon, Sponsor Reception and Morning/Afternoon Breaks.

Name of guest(s) (Please provide for nametag purposes)

Page 1 of 3
CONFERENCE REGISTRATION - ATTENDEE AGREEMENTS

Registration Terms & Conditions

The purchase of registration for and entry to an Event organized by or on behalf of the Laser Institute of America (the "Event") is subject to the following terms and conditions (the "Agreement"). By registering and/or attending the Event, you or the person who attends the Event (the "Attendee"), agrees to the following:

REGISTRATION FEES. LIA reserves the right to modify pricing for Event registration at any time without notice. The registration price for the Event does not include anything, including, without limitation, accommodation, refreshments, extra activities, other than entry to the Event, unless otherwise stated. Please confirm directly with the venue to determine whether personal food and drink items are allowed at the Event.

DISCOUNTS. Promoted discounts will apply only to full price tickets, and cannot be used in conjunction with another offer, unless expressly authorized by LIA and/or its agents.

CANCELLATION POLICY. Once purchased, registration cannot be refunded within thirty (30) days of the first date of the Event unless the Event is cancelled, moved to another date, or if details of the Event are significantly changed after an order is placed (significant changes being a change of venue or date).

In the event of a natural disaster, acts of God or terrorism, which result in the cancellation of this event, LIA shall not be liable for any losses Attendee suffers as a result of the cancellation or rescheduling, including but not limited to, ticket price, accommodation costs or travel expenses.

REFUND POLICY: No refunds will be made on cancellations received within thirty (30) days of the first date of the event. All requests for refunds must be made in writing to conferences@lia.org and will not be processed until after the conclusion of the Event. A processing fee of One Hundred Twenty Five and 00/100 ($125.00) USD will be applied to all refunds.

USE OF REGISTRATION. The registration remains the property of LIA. The use of the registration represents and warrants that the registration is purchased for its purposes only, and that it is not purchased as part of any form of business or commercial activity, unless expressly authorized by LIA and its agents, and, in particular, the Ticket may not be resold or offered for resale by anyone, whether at a premium or otherwise, and may not be used for advertising, promotion (including contests and sweepstakes) or for any other trade purposes. Resale or attempted resale of a registration will render the registration void and the holder of any resold or transferred registration may be ejected from or refused entry to the Event.

The venue reserves the right to refuse an individual entry to the Event without evidence of registration such as a badge, lanyard or other evidence of registration provided by the Event check-in desk. Such evidence of registration must be displayed at all times during the Event to access gain access to Event activities.

CONSENT TO ELECTRONIC COMMUNICATION. Attendee provides consent to receive electronic communications from LIA regarding the transaction related to registration for this event and any updates related to such transaction and associated event.

RIGHT OF REFUSAL. LIA reserves the rights to reject, eject or prohibit any Attendee from accessing the Event, without or with giving cause. If Attendee is found to be behaving in a manner deemed unsocial or potentially dangerous, in breach of these terms and conditions, the rules and regulations of the venue or any instructions or directions given to Attendee by any official at the Event, Attendee will be ejected from the Event without refund and, if appropriate, may be reported to law enforcement.

Any shown liability for refund without giving cause shall be limited to a refund to Attendee in the amount of fees unearned at the time of such refusal. However, if Attendee is rejected, ejected or prohibited for violation of provisions herein or for any other stated reason for cause, no fees will be returned.

RIGHT TO CONDUCT SECURITY SEARCH. LIA and/or the venue has the right to search all persons and personal property and refuse admission to, or eject from, the site any person who refuses to be searched by a security official.

VISUAL & AUDIO RECORDING RIGHTS. While attending the Event, Attendee and/or Attendee’s organization may be photographed, audiotaped, and/or videotaped during the course of the Event. Attendee gives their express consent by attending the Event for the use of their actual or simulated likeness and the content of their comments in connection with the production, exhibition, advertising or exploitation of any photograph, film, video and/or audio recording of the Event and/or any element thereof, in any/all media throughout the world, to be broadcast, webcast, published, or otherwise reported or recorded.

ATTENDEE PHOTOGRAPHY & VIDEO POLICY. Absolutely no photographs, video or audio may be taken during presentations or speaking sessions without the presenter’s and LIA’s prior written consent.

MODIFICATION OF EVENT PROGRAM. LIA reserves the right to modify the Event program (e.g. speaking sessions, presentations, discussion panels, receptions, etc.) at any time.

FIRE & SAFETY LAWS & RELATED SITE REQUIREMENTS. Federal, state and municipal laws and regulations must be strictly observed. Attendee must also comply with fire department and venue requirements. Smoking indoors or other restricted areas at the venue is strictly prohibited. Crowding will be restricted by regulation. A full listing of fire and safety regulations can be requested from the venue by the Attendee.

COMPLIANCE WITH OTHER EVENT OR VENUE RULES. Attendee will abide by the rules herein, those listed or displayed at the Event, and those of the venue, which are available at the venue and may be changed at the venue’s discretion.

TRADE OR SOLICITATION. With the exception of vendor exhibitions and related events, Attendee will not trade or solicit trade at the Event without the prior written consent of LIA.

PETS. With the exception of service animals, as defined by the Americans With Disabilities Act of 1990 (Public Law 101-336, 108th Congress, 2nd session, July 26, 1990), Attendee is not permitted to bring any animals to the Event.

REGISTRATION & ATTENDANCE BY MINOR. Attendee must be at least Eighteen (18) years old to register for and attend such Event unaccompanied. If Attendee is under 18 years old, Attendee must be accompanied by a parent or guardian who is over 18 and have notified LIA staff in writing at conferences@lia.org prior to the Event. Both minor Attendee and guardian must pay required registration price unless otherwise provided by LIA in writing. Proof of age may be requested upon entry.

ASSUMPTION OF RISKS & RELEASE. Sponsor/Exhibitor expressly assumes all risks associated with, resulting from or arising in connection with its participation at ILSC including, without limitation, all risks of theft, loss, harm, damage or injury to the person (including death), property, business or profits of exhibitor, whether caused by negligence, intentional act, accident, act of God or otherwise. Sponsor/Exhibitor maintains sole responsibility for its property or any theft, damage or other loss to such property (whether or not stored in any courtesy storage area), and waives any subrogation claims that Sponsor/Exhibitor’s insurer may have. LIA accepts no responsibility nor is a bailment created for property delivered by or to Sponsor/Exhibitor. LIA shall not be liable and Sponsor/Exhibitor hereby releases LIA with respect to any and all risks, losses, damages and liabilities described in this paragraph.

Continued on next page.
LIABILITY & INDEMNIFICATION. Attendee shall indemnify, defend (with legal counsel satisfactory to LIA), and hold LIA, its related companies, staff, employees, officials, representatives, agents, agent's contractors, contractors, sub-contractors and members, and any other of its affiliates harmless from any claims, demands, suits, liabilities, damages, losses, costs, reasonable attorneys’ fees and expenses which result from, or arise out of or in connection with: (a) Attendee’s participation or presence at Event; (b) any breach by Attendee of any provisions, covenants, promises or other obligations under this Agreement; (c) any matter for which Attendee is otherwise responsible under the terms of this Agreement; (d) any violation or infringement (or claim of violation or infringement) by Attendee of any law or ordinance or the rights of any party under any patent, copyright, trademark, trade secret, or other proprietary right; (e) any libel, slander, defamation or similar claims resulting from Attendee’s actions; (f) harm or injury (including death) caused by Attendee; and (g) loss of or damage to property caused by Attendee; and (h) loss of or damage caused by Attendee to Attendee’s or other Event participant’s business, business activities or profits, whether caused by negligence, intentional act, accident, act of God, theft, mysterious disappearance or otherwise.

Neither the venue nor LIA will be held liable for any loss, cost, expense, injury or damage sustained at the venue and/or the Event except in respect of death or personal injury caused as a result of negligence by the venue or LIA, as applicable.

SEVERABILITY. In the event that any of the provisions of this Agreement shall be held to be illegal, invalid or unenforceable, such provisions shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect. Any failure to enforce any provision of this Agreement shall not constitute a waiver thereof or of any other provision.

MODIFICATION. This Agreement may only be amended or modified by a written instrument duly executed by both parties.

ENTIRE AGREEMENT. This Agreement constitutes the final and entire agreement between the First Party and the Second Party with respect to the subject matter hereof, and supersedes any prior communication (whether written, verbal or electronic) or agreement between the parties regarding the subject matter herein.

EXECUTION & TRANSMISSION OF AGREEMENT. This Agreement may be executed electronically during registration through the Event website or electronically in counterparts. Any accurately executed version of this Agreement transmitted by registration, telefax or e-mail by either party shall be deemed an equivalent, original, legal and binding version of this Agreement.

ASSIGNABILITY & BINDING EFFECT. This Agreement shall bind and inure to the benefit of the parties hereto and their successors and assigns. This Agreement and each party’s rights and obligations hereunder shall not be assignable by party without the express written consent of the other party, and any purported assignment not permitted hereunder shall be void.

REMEDIES; CHOICE OF LAW; VENUE. The parties hereto acknowledge that money damages are an inadequate remedy for breach of this Agreement because of the difficulty of ascertaining the amount of damage that will be suffered by the in the event that this Agreement is breached. Accordingly, the parties agree that in addition to any other available remedy, each party shall have the right obtain specific performance of this Agreement and injunctive relief against any breach hereof. The prevailing party in any litigation between the parties shall be entitled to the recovery of reasonable attorneys’ fees from the other party. This Agreement shall be governed by, and construed in accordance with the laws of the State of Florida and the parties hereto consent to the exclusive jurisdiction of the district courts of Orange County, Florida for any suits, actions or proceedings arising out of or related to this Agreement and waive all objections to such jurisdiction.

By signing below, I acknowledge that I have read and agree to the Registration Terms & Conditions.

Attendee Signature __________________________________________ Date ____________

D. Method of Payment

Payment or P.O. # must accompany registration form to be processed. Confirmation letter will be sent within two weeks of receipt.

(Please include registrant’s name on check or P.O.)

☐ Check or Money Order enclosed, payable to LIA in U.S. Funds, Drawn on a U.S. Bank
☐ Purchase Order enclosed
☐ Wire Transfer [additional $30 bank fee must be included in the transfer]
☐ Visa ☐ MasterCard ☐ AMEX ☐ Discover

Purchase Order No./Credit Card No. _________________ _________________ CSC No.* ____________

*The card security code (CSC) is a 3- or 4-digit number (not part of the credit card number) that appears on the back of the credit card (Security Code appears on the front of American Express). Payment will not be processed without CSC code.

Name on Credit Card ___________________________________ Expiration Date _____________ / _____________ (MM/YYYY)

CC Holder Address __________________________________________ Date ____________

Authorized Signature __________________________________________ Date ____________

Register online at www.lia.org/ilsc
Mail/Fax this Form (use one form for each registrant)
Attention: LIA Conference Department
Laser Institute of America / ILSC®
13501 Ingenuity Dr., Suite 128 • Orlando, FL 32826
Phone: +1.407.380.1553 • Fax: +1.407.380.5588
Hotel Accommodations:
Embassy Suites® Lake Buena Vista South
4955 Kyngs Heath Road
Kissimmee, FL 34746
Phone: +1.407.597.4000

By staying at the Embassy Suites hotel, you will be in the center of the activity surrounding the conference. It’s a quick trip to get to the program and functions, and just as quick to get back to your room for a break. Additionally, staying onsite provides you with easy access to network with your LIA friends and fellow conference attendees.

Rental Car Information:
Avis Rental Car® — Attendees should call Avis Rental Car at 1.800.331.1600 and mention AVIS Worldwide Discount or AWD number J093783, or to reserve online visit www.avis.com. The AWD will be effective from seven days prior to the event until seven days after the event.

Airport Transportation Information:
Orlando International Airport (MCO)
Distance from hotel: Approx. 20 miles
Drive time: 25 minutes
Directions: Exit Airport Southbound to S.R. 417 TOLL ROAD. Head South on S.R. 417 approx 11 miles to exit #6 to S.R. 535. Turn left on S.R. 535 approx 2 miles then turn right onto Kyngs Heath Road. Hotel is on the right and visible from S.R. 535.

Shuttle: Mears provides frequent shuttle service from MCO to the hotel. Standard online prices are $24 to the hotel and $38 from the hotel. Use online code WEB10 for 10% off your booking reserved through https://mears.com/.

Average March Temperature:
High 78°F / 26°C
Low 58°F / 14°C

Driving Directions:
From East
I-4 Westbound (From Daytona Beach, Downtown Orlando, Colonial Drive)
Take exit #68 and turn left onto S.R. 535 (S. Apopka/Vineland Road). Travel approx. 5 miles then turn right onto Kyngs Heath Road. The hotel is on the right and visible from S.R. 535.

From West
I-4 Eastbound (Coming from Tampa, Clearwater)
Take exit #68 and turn right to travel east on S.R. 535 (S. Apopka/Vineland Road). Travel approx. 5 miles then turn right onto Kyngs Heath Road. The hotel is on the right and visible from S.R. 535.

From South
From Florida Turnpike Northbound
Take exit #249 to Osceola Parkway. Turn left onto East Osceola Parkway. Exit “Route 192 Resorts via Route 535.” Turn left onto S.R. 535 (S. Apopka Vineland Road). Turn right onto Kyngs Heath Road. The hotel is on the right and visible from S.R. 535.

From North
From I-95 Jacksonville
Take I-95 South to I-4 West. Take exit #68, and turn left onto S.R. 535 (S. Apopka/Vineland Road). Travel approx. 5 miles and turn right onto Kyngs Heath Road. The hotel is on the right and visible from S.R. 535.

For additional driving directions, visit:
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