

**First announcement**

 **Save the Date**

# **18<sup>TH</sup> INTERNATIONAL CONFERENCE ON LASER APPLICATIONS IN LIFE SCIENCES**

**11-14 October 2024  
Muğla, Turkey**

The LALS-2024 official hotline:  
[lals@sciencesconf.org](mailto:lals@sciencesconf.org)

<https://lals.sciencesconf.org>



**LALS 2024**  
**Muğla, Turkey**  
**11-14 October**





Dear Colleagues,

On behalf of the Organizing Committee, we invite you to attend the “18th International Conference on Laser Applications in Life Science” (LALS-2024). The conference is scheduled to be held from October 11-14, 2024 at the Convention Centre of the Liberty Hotels Lykia/Oludeniz in Muğla, Turkey.

The aim of LALS-2024 is to provide a global platform for researchers, engineers, and physicians to present and discuss recent optical techniques and innovations aimed at applications in life science. We hope to bring together professionals and scientists from various areas of life sciences to introduce novel biophotonics methods to healthcare professionals, encourage knowledge exchange, and promote the establishment of cooperation ventures. The scientific program will include plenary and invited talks, and we will also offer a wide range of social programs such as boat cruises and visits to historical places.

We welcome companies and institutions to showcase their state-of-the-art products and equipment in the conference area.

We look forward to your participation in LALS-2024 and meeting you at the conference.

Best regards,

Conference chair,

Prof., Dr. Kirill Larin (University of Houston, USA)

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# International Conference on Laser Applications in Life Sciences

- LALS is a biannual conference series that draws around 150-300 participants from over 30 countries and is held in various locations. The inaugural conference was initiated by Prof. Sergey Akhmanov of M.V. Lomonosov Moscow State University and firstly held in Prague, Czechoslovakia in 1986.
- LALS is one of the leading events in the area of laser applications in life sciences, at the edge of laser physics, photochemistry, photobiology, photobiomedicine, and biophotonics.
- The conference has been held in several locations over the years, including Prague, Czechoslovakia (1986); Pecs, Hungary (1988); Moscow, Russia (1990); Jyvaskyla, Finland (1992); Minsk, Belarus (1994); Jena, Germany (1996); Bratislava, Slovakia (1998); Tokyo, Japan (2000); Vilnius, Lithuania (2002); Moscow, Russia (2007); Taipei, Taiwan (2008); Oulu, Finland (2010); Ulm, Germany (2014); Shenzhen, China (2016); Ramat-Gan, Israel (2018); Nancy, France (2022); and Muğla, Turkey (2023).
- The LALS program includes plenary sessions, keynotes, invited papers, and selected contributed oral, poster, and post-deadline papers. It provides a forum for researchers, academics, and industry professionals to exchange ideas and discuss the latest advancements in the field of laser applications in life sciences.



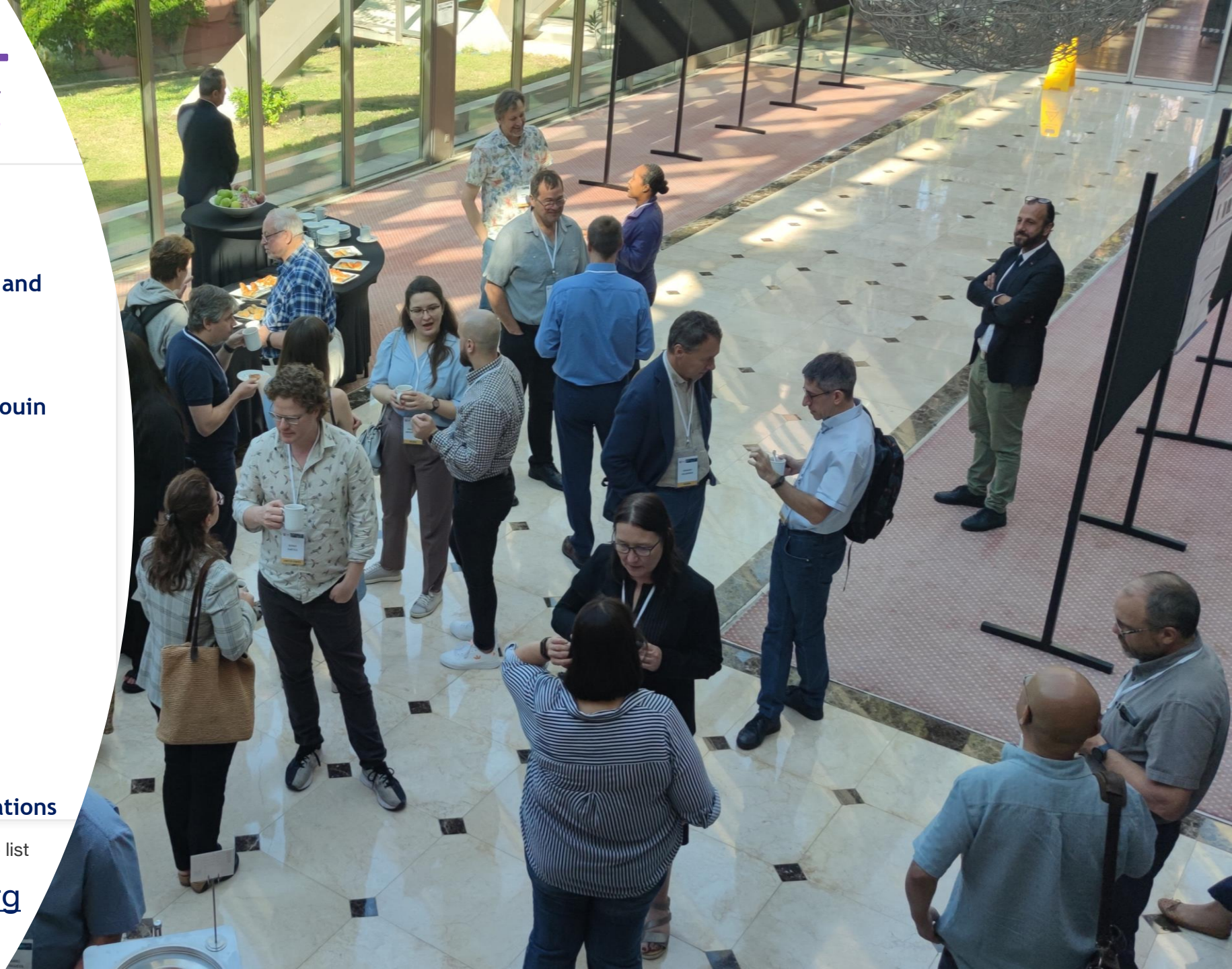


## Topics

- Laser tissue interaction
- Optical imaging
- Tissue modification/ laser surgery and photothermal treatments
- Tissue optical clearing
- Optical measurements
- Laser spectroscopy / Raman / Brillouin
- Terahertz
- Laser microscopy
- OCT
- Elastography
- Optical multimodalities
- Cytometry
- PDT
- Optical sensing
- Fluorescence
- Artificial intelligence
- Laser bioprinting
- Nanobiophotonics
- Emerging technologies and applications

\*Non definitive and exhaustive list

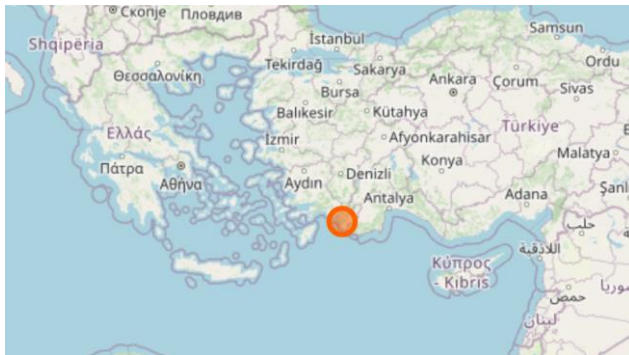
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# Conference venue

The **Liberty Hotels Lykia/Oludeniz** in **Muğla** have a wonderful view of seashore and Blue Lagoon.



High-class all-inclusive concept







# LALS 2024

Muğla, Turkey  
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Registration fee\* packages (regular and student) include:

- Participation in LALS-2024
- Accommodation and meals: high-class all-inclusive concept\*\*
- Round-trip transfer from/to Dalaman airport
- All participants of LALS-2024 can attend joint conferences (MEDOPTICS, APMAS, ENEFM) as listeners

*\*early bird prices are available*

*\*\*meals at the restaurants, unlimited selected local and imported alcoholic and non-alcoholic drinks at the restaurants and bars*

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## IMPORTANT DATES

- Abstract Submission: **April 30, 2024**
- Notification of Acceptance: **May 15, 2024**
- Early bird payment: **May 30, 2024**
- Conference dates: **October 11-14, 2024**

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# LALS 2024

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## Conference Chair

Kirill Larin (University of Houston, USA)

## International Advisory Board

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**Looking forward  
to your  
participation!**

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See more information on the website:  
<https://lals.sciencesconf.org>

