



# XXIII International Conference and School on Quantum Electronics: "Laser Physics and Applications"

23-27 September 2024, Ravda, Bulgaria

Dear Colleagues,

We are pleased to invite you to participate at the *XXIII International Conference and School on Quantum Electronics: "Laser physics and applications"* to be held in Ravda, Bulgaria, **23-27 September 2024**.

This is a traditional event, organized biennially since 1980 by the *Institute of Electronics – Bulgarian Academy of Sciences* with the purpose of providing a meeting place for researchers from all over the world. Leading scientists are invited to present lectures on "hot" topics in the fundamentals of laser physics and applications of lasers, grouped as follows:

- \* Laser – matter interactions
- \* Laser spectroscopy and metrology
- \* Laser remote sensing and ecology
- \* Lasers in biology and medicine
- \* Laser systems and nonlinear optics
- \* Alternative techniques for material synthesis and processing

## Conference and School Proceedings

The Proceedings will be published in *Journal of Physics: Conference Series*, containing the presented lectures and the most interesting posters, refereed and selected for publication by the invited lecturers.

Poster sessions for the participants will also be organized on the related topics. Special attention is given to the young scientists.

### Registration Fee

Regular participants: **510 EUR**  
 Students/ PhD student: **430 EUR**  
 Second publication: **150 EUR**

### Important Dates

Abstract and registration form submission : **15 July 2024**  
 Submission acceptance: **20 July 2024**  
 The full manuscripts submission: **30 September 2024**

### Invited Speakers

*Prof. Daniel Bloch, Laboratoire de Physique des Lasers Université, France*  
*Dr. Ivan Kostic, Institute of Informatics, Slovak Academy of Sciences, Slovakia*  
*Assoc. Prof. Katarzyna Grochowska, The Szwedzki Institute of Fluid, Polish Academy of Sciences, Poland*  
*Prof. Ion Mihailescu, National Institute for Laser, Plasma and Radiation Physics, Romania*  
*Dr. Jan Lancok, Institute of Physics AS CR, Czech Republic*  
*Dr. Aleksandar Krmpot, BioPhysLab, Institute of Physics, Serbia*  
*Dr. Tatiana Novikova, Ecole polytechnique, Université, France*  
*Dr. Daniel Sola, Aragonese Foundation for University of Zaragoza, Spain*  
*Prof. Jean Kieffer, Institut National de la Recherche Scientifique (INRS), Canada*  
*Dr. Nicolas Somers, University of Liège, Belgium*  
*Prof. Dr. Shazia Bashir, Government College University Lahore, Pakistan*  
*Dr. Dmitry Efimov, Wrocław University of Science and Technology, Poland*

*Prof. Geraint Vaughan, Department of Earth and Environmental Sciences, The University of Manchester*  
*Prof. Boyan Tatarov, School of Physics, Astronomy and Mathematics, University of Hertfordshire, Hatfield*  
*Dr. Georgi Nenchev, High-NA EUV Defectivity, Design & Engineering, Netherlands*  
*Dr. Milica Vinić, Laboratory for Plasma Spectroscopy and Lasers, PHOTONICS CENTER, Institute of Physics, University of Belgrade, Serbia*  
*Prof. Daniela Milovic, Department of Telecommunications, Faculty of Electronic Engineering, University of Niš, Serbia*  
*Dr. Swathi Sudhakar, Department of Applied Mechanics and Biomedical Engineering, Indian Institute of Technology, Madras, India*  
*Dr. Rumén Tomov, Department of Materials Science & Metallurgy, University of Cambridge, United Kingdom*

### About Ravda

Ravda is a coastal village and seaside resort in southeastern Bulgaria, situated in Nessebar municipality, Burgas Province.

Ravda is located 3 km from Nessebar, 5 km from Sunny Beach and 30 km from Burgas airport.

The position on the Bulgarian Black Sea Coast provides for the nice weather, quietness and calmness of a country village and the proximity to the attractive resort Nessebar (world heritage site).

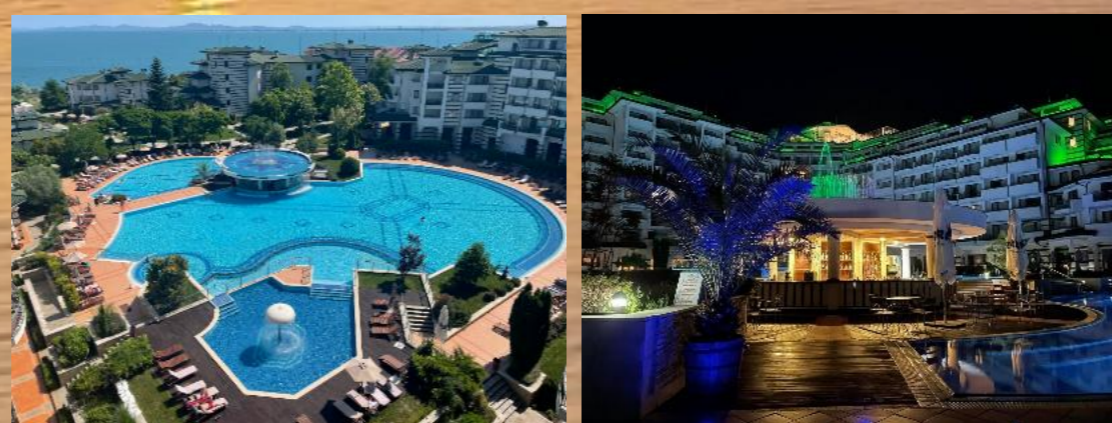


### Venue

A number of rooms have been reserved for the participants at preferential prices at hotel Emerald Beach Resort & Spa, Ravda, Bulgaria.

<https://emeraldresort.eu>

Emerald Beach Resort & Spa is a modern seaside resort and offers a great variety of services and facilities (restaurants, swimming pools, sky lobby, billiards and pool bar, spa center, indoor pool, gym area, spacious gardens and green areas).



Single room: **98 BGN (49 EUR)** price per room/per night, breakfast included

Double room: **140 BGN (70 EUR)** price per room/per night, breakfast included

**\*Important notice: We strongly recommend that hotel accommodation is booked early.**

For reservation and payment at preferential prices, please contact:

**Mrs. Katrin Mihaylova,**

Specialist, Marketing & Reservations, Emerald Beach Resort & SPA

61, Macedonia Str., 8238 Ravda, Bulgaria

Mobile: +359 886 242 487, [marketing@emeraldresort.eu](mailto:marketing@emeraldresort.eu)/  
[katrin.mihaylova@emeraldresort.eu](mailto:katrin.mihaylova@emeraldresort.eu)

### Exhibition - Marketing Opportunity

• ICSQE provides the right environment for manufacturers and suppliers to renew old acquaintances and establish new personal contacts with specialists within this important field of research.

• ICSQE is a place where opportunities for new projects and interdisciplinary research and relationships are seeded.

• ICSQE brings together the decision makers and people who use equipment, influence the decisions and are set to become the next generation of researchers.

### Exhibition Location

The 23 ICSQE 2024 Exhibition will take place in Hotel Emerald Beach Resort. Table-top space and poster panels will be arranged for exhibitors. To the representative persons from the companies will be provided the opportunity for oral presentation and/or demonstration.

### Contacts

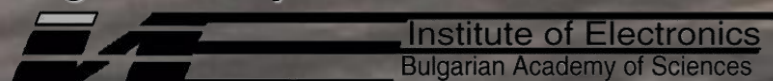
**Organizing Committee Chair:**  
Christina Andreeva

### Secretary:

Aleksandra Zhelyazkova  
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Organized by:



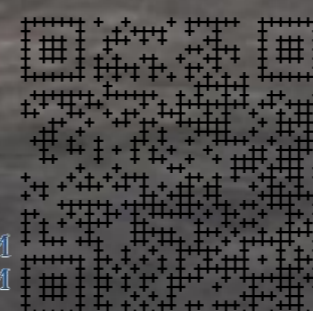
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BULGARIAN  
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NATIONAL  
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FUND - BULGARIA  
Project: K71-06-MH0/3 от 23.05.2024



Cooperating organization

