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# **Programme**

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**Useful information**

X International School and Conference on Photonics  
**PHOTONICA 2025**



August 25 - August 29, 2025  
**Serbian Academy of Sciences and Arts**  
Belgrade, Serbia

## Conference Topics

- |   |  |
|---|--|
| 1. Quantum optics and ultracold systems | 7. Laser spectroscopy and metrology      |
| 2. Nonlinear optics                     | 8. Ultrafast optical phenomena           |
| 3. Optical materials                    | 9. Laser - material interaction          |
| 4. Biophotonics                         | 10. Optical metamaterials and plasmonics |
| 5. Devices and components               | 11. Machine learning in photonics        |
| 6. Optical communications               | 12. Other topics in photonics            |

## Joint Events

PhoBioS COST Action - "Light and biological surface interaction for sensing applications"

BioQantSense Workshop - "Laser microscopy - classical and quantum"

SensSmart workshop - "Multimodal Sensor Systems and Artificial Intelligence in Service of Cardiovascular Diagnostics"

"Advanced nanosystems for photoconversion", Aerosol4solar and NIMPHA research projects

## Organizing institutions

Institute of Physics Belgrade, University of Belgrade  
Serbian Academy of Sciences and Arts  
Optical Society of Serbia

## Organizing committee

### Institute of Physics Belgrade:

Marina Lekić, Chair, e-mails: photonica2025@ipb.ac.rs, lekcic@ipb.ac.rs  
Aleksandar Krmpot, Co-Chair, e-mail: krmpot@ipb.ac.rs  
Uroš Ralević, Co-Chair, e-mail: uros@ipb.ac.rs  
Dušica Vukčević Stojiljković, Secretary, e-mail: photonica2025@ipb.ac.rs  
Stanko Nikolić, Webmaster, e-mail: stankon@ipb.ac.rs  
Mihailo Rabasović  
Marija Ćurčić  
Marta Bukumira  
Miljana Piljević  
Milica Ćurčić  
Branka Hadžić  
Aleksandra Kocić  
Bojana Bokić

### Serbian Academy of Sciences and Arts:

Rosa Nikolić

### PanaComp (technical organizers):

Suzana Alempić  
Ivana Repac

## Scientific committee

Aleksandar Krmpot, Serbia  
Aleksandra Maluckov, Serbia  
Bojan Resan, Switzerland  
Boris Malomed, Israel  
Branislav Jelenković, Serbia  
Carsten Ronning, Germany  
Concita Sibilis, Italy  
Darko Zibar, Denmark  
Dmitry Budker, Germany  
Dragan Indin, United Kingdom  
Edik Rafailov, United Kingdom  
Francesco Cataliotti, Italy  
Giannis Zacharakis, Greece  
Goran Isić, Serbia  
Goran Mašanović, United Kingdom  
Ivana Vasić, Serbia  
Jasna Crnjanski, Serbia  
Jelena Radovanović, Serbia  
Jelena Stašić, Serbia  
Jerker Widengren, Sweden

Jovan Bajić, Serbia  
Ljupčo Hadžievski, Serbia  
Luca Antonelli, United Kingdom  
Marco Canepari, France  
Marko Krstić, Serbia  
Marko Spasenović, Serbia  
Milan Kovačević, Serbia  
Milena Milošević, Serbia  
Milivoj Belić, Qatar  
Mirjana Novaković, Serbia  
Nikola Stojanović, Germany  
Nikola Vuković, Serbia  
Nikos Pleros, Greece  
Pavle Andjus, Serbia  
Petra Beličev, Serbia  
Sergei Turitsyn, United Kingdom  
Vladan Pavlović, Serbia  
Vladan Vuletić, United States of America  
Vladana Vukojević, Sweden  
Zoran Grujić, Serbia

## **Conference location**

### **Belgrade**

Belgrade (Beograd) is the capital of Serbia having about 2 million inhabitants. Belgrade is situated in South-Eastern Europe, on the Balkan Peninsula. It lies at the confluence of the Sava and Danube Rivers in north central Serbia, where the Pannonian Plain meets the Balkan Peninsula. Belgrade is the capital of Serbian culture, education, science and economy. As a result of its tumultuous history, a lot of nations have been living in Belgrade for centuries, and Serbs of Orthodox christian religion are the majority of population (90%). The official language is Serbian, while foreigners are recommended to use English in communication.

Belgrade is one of the oldest cities in Europe and since ancient times it has been an important traffic focal point, an intersection of the roads of Eastern and Western Europe. Its history lasts full 7000 years. The area around two great rivers, the Sava and the Danube has been inhabited as early as palaeolithic period.

### **Conference venue**

Serbian Academy of Sciences and Arts - SASA  
35, Knez Mihailova Str.  
11000 Belgrade

### **Dress code**

Serbian Academy of Sciences and Arts is a distinguished institution of supreme national importance. We kindly ask you to respect a dress code and not to wear :

- short skirts and pants (above the knee)
- spaghetti straps, tank top, and sleeveless shirts
- flip-flops and open-toed sandals

## SASA HALLS

SESSION	HALL	FLOOR
Opening ceremony	Main hall	2
Tutorial, keynote, invited lectures, progress report		
Closing ceremony		
Registration desk	Main hall - vestibule	2
Coffe breaks		
Sponsor exhibitions		
Contributed talks	Main hall	2
	102	1
COST Action - CA21159-PhoBioS	102	1
BioQantSense workshop	103	1
SensSmart workshop		
Workshop on Advanced nanosystems for photoconversion		
Welcome cocktail	SASA Club	mezzanine
Poster sessions	SASA Club	mezzanine

### Registration

Sunday 24 August: 17:00 – 20:00 – SASA Foyer

Monday 25 - Wednesday 27 August : 08:00 – 17:00 vestibule of the Main hall

### Information for speakers

All the presentations of the morning sessions should be prepared and loaded before each session from 8:00 to 09:00.

All the presentations of the afternoon sessions should be prepared and loaded during the lunch breaks.

### Poster sessions

**Poster session 1: Tuesday, August 26<sup>th</sup> 2025.**

18:30 - 20:00 h

**Topics: 1, 2, 3, 4, 11** Club SASA;  
**Poster session 2: Thursday, August 28<sup>th</sup> 2025.**  
17:30 - 19:00 h

**Topics: 5, 6, 7, 9, 10, 12** Club SASA;

For topics and poster numbers, please refer to the Book of abstracts.

Posters can be set up 3 hours prior to the poster session and removed by the end of the session.

## **Poster awards**

The three best poster presentations at PHOTONICA2025 will be awarded. The student will be asked at the registration desk whether they wish to be considered for the Best Student Presentation award.

The awards will be selected by a scientific jury, based on the originality and depth of the research accomplished, and the quality of the poster presentation.

## **Manuscript submission**

Selected peer-reviewed manuscripts will be published in the Topical Collection of **Applied Physics B**.

## **Social programme**

Please, don't forget to bring your invitation cards for each of the social events. The invitation cards are provided at registration.

### **Welcome cocktail**

Serbian Academy of Sciences and Arts  
35, Knez Mihailova Str.  
Club SASA, mezzanine

**Monday, 25<sup>th</sup> August**  
**18.40 – 20.00h**

### **Excursion**

You are welcome to join us on a memorable excursion to Oplenac, Topola. Expect a beautiful journey through history, richness of cultural heritage, and wonderful nature.

Departure: Students Square GPS: 44.8495616, 20.3816960

**Wednesday, 27<sup>th</sup> August**  
**14.30-22.00h**

Departure to excursion is at 14:30h from Students Square. Participants are kindly requested to be there at least 15 minutes before the departure.

### **Conference dinner**

Aeroklub restaurant,  
4, Uzun Mirkova Str. 2<sup>nd</sup> floor

**GPS:** 44.820068, 20.455795

**Thursday, 28<sup>th</sup> August**  
**19.30 - 23:30h**

## Moving around

### Tourist information

<http://www.tob.rs/en>

### Local transportation

You can use the Moovit app, BeogradPlus or Google Maps to navigate public transportation.

Public transport in Belgrade is free, except minibus A1 to Airport (400 rsd) and E minibus lines. In mini busses with the letter E in front of the number, you can only buy a ticket from the driver for 200 dinars.

They accept only cash. Buses, trams, trolleys and even Bg voz city trains are free.

Information about public transport and taxi within Belgrade can be found at

<https://www.tob.rs/en/info/useful-info/city-public-transport>

### Emergency numbers

Police Department: 192

Fire Department: 193

Medical emergencies: 194

If you dial 112 from any phone, you will be connected to the emergency service. The control center will forward the call to the appropriate emergency services, depending on the nature of the emergency.

## Tips for Serbia and Belgrade

### Languages

Serbian is the official language of Serbia. The language serves as the native language of about 88% of the country's population. It is the only European language to be written using two distinct scripts. Serbian can be written using both the Latin and the Cyrillic alphabets. The Constitution of Serbia declares the Serbian Cyrillic as the official script of the nation while the Latin script is described as "script in official use." English is the most popular foreign language spoken in Serbia.

### Time zone

Belgrade and Serbia are located in the Central European time zone region – GMT +1 and/or GMT +2 as of the last week in the third month until the Saturday prior to the last week of the tenth month.

### Electricity

As in most cities of Continental Europe, the electricity voltage in Belgrade is 220V. Electrical outlets are standard European.

### Water

Tap water in Belgrade is safe to drink.

### Currency

The official currency in Serbia is **dinar**, abbreviated RSD. Money may be exchanged in all banks and post offices, as well as in authorized exchange offices. Exchange rate for 1 EUR is around 120 RSD.

## Detailed Timetable

### Monday, August 25<sup>th</sup> - SASA Main Hall

8.30 - 09.00	Opening ceremony
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**Memorial lectures Dr. A. Balaž**

**Chairman: B. Jelenkovic**

09.00 - 09.35	<b>E. Demler</b> ( <i>tutorial lecture</i> ) "Lighting up superconductivity"
09.35 - 09.45	Discussion break
09.45 - 10.20	<b>E. Demler</b> ( <i>tutorial lecture</i> ) "Lighting up superconductivity"
10.20 - 10.40	Coffee break

**Chairman: I. Vasic**

10.40 - 11.25	<b>S. Giorgini</b> ( <i>keynote lecture</i> ) "Bose mixtures : magnetic and condensation phenomena"
11.25 - 11.35	Discussion break
11.35 - 12.05	<b>A. Pelster</b> ( <i>invited lecture</i> ) "Overview of photon Bose-Einstein condensates"
12.05 - 12.35	<b>B. Dakić</b> ( <i>invited lecture</i> ) "Tomography and Verification of Large-Scale Quantum Systems: Scalable Methods for Photonic Platforms"
12.35 - 12.50	<b>A. Hudomal</b> ( <i>contributed talk</i> ) "Exploring the Phase Diagram of Quantum Many-Body Scars with Programmable Rydberg Atom Arrays"
12.50 - 14.30	Lunch break

**Chairman: M. Spasenovic**

14.30 - 15.15	<b>E. Kymakis</b> ( <i>keynote lecture</i> ) "Perovskite Photovoltaics: Addressing Stability Challenges for Real-World Applications"
15.15 - 15.25	Discussion break
15.25 - 15.55	<b>L. Ozyuzer</b> ( <i>invited lecture</i> ) "Quantum Cascade Lasers and Their Applications in Gas Sensing and Biomedical Fields"
15.55 - 16.10	<b>G. Aygun</b> ( <i>contributed talk</i> ) "Magnetron Sputtered Grown LiCoO <sub>2</sub> and Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> Thin Film Layers for All-Solid-State Lithium-ion Batteries"
16.10 - 16.25	<b>M. Ozdemir</b> ( <i>contributed talk</i> ) "Optimized AR Facet Coatings for 4.6 $\mu$ m QCLs in Directed Infrared Countermeasures"
16.25 - 16.40	Coffee break



**Chairman: D. Bozanic**

16.40 - 17.00	<b>P. Bojović</b> ( <i>progress report</i> ) "Analog Quantum Simulation and Digital Quantum Computation with Ultracold Atoms in Optical Lattices"
17.00 - 17.20	<b>D. Galiakhmetova</b> ( <i>progress report</i> ) "Illuminating the Brain: Pipedream or Impending Reality for Minimally Invasive Neurostimulation?"
17.20 - 17.40	<b>A. Jakovljević</b> ( <i>progress report</i> ) "AFM analysis of astrocyte membrane remodeling induced by immunoglobulin G from patients with amyotrophic lateral sclerosis"
17.40 - 18.10	<b>QuEra O. Markovic</b> ( <b>special invited lecture</b> ) "Neutral atom quantum computing at QuEra Computing"
18.10 - 18.25	<b>M. Spasenovic</b> ( <i>contributed talk</i> ) "Laser-Induced Graphene and MXene on Biocompatible Polymer Substrates as Physical Sensors"
18.25 - 18.40	<b>M. Lobok</b> ( <i>contributed talk</i> ) "Terahertz wave generation from laser-irradiated near-critical-density plasmas"
18.40 - 20.00	Cocktail (Club SASA)

## **Monday, August 25<sup>th</sup> - Hall 102**

**Chairman: B. Dakic**

16.40 - 16.55	<b>A. Cantas</b> ( <i>contributed talk</i> ) "Impact of Growth Pressure on the Physical Properties of Two-Step Grown Sb <sub>2</sub> Se <sub>3</sub> Absorbers for Thin Film Solar Cell Applications"
16.55 - 17.10	<b>A. Haboub</b> ( <i>contributed talk</i> ) "Inverse Design for Femtosecond-Laser Photonic Surfaces with Direct Gradient Optimization"
17.10 - 17.25	<b>L. C. Razo</b> ( <i>contributed talk</i> ) "Computational capacity of LA-VCSEL devices with complex resonator shapes"
17.25 - 17.40	<b>J. Obradovic</b> ( <i>contributed talk</i> ) "Morphological transformation of (In,Ga)N nanoshells grown around pencil-like GaN nanowires"
17.40 - 17.55	<b>M. Ekmekcioglu</b> ( <i>contributed talk</i> ) "Electromagnetic Shielding Performance of Transparent ZTO/Ag/ZTO Multilayer Electrodes Deposited on Polymer Substrates"
17.55 - 18.10	<b>K. Aras</b> ( <i>contributed talk</i> ) "Etching-Based Mesa Formation for Quantum Cascade Laser Waveguides"
18.40 - 20.00	Cocktail (Club SASA)

## **Monday, August 25<sup>th</sup> - Hall 103**

16.00 - 18.40	SensSmart workshop
18.40 - 20.00	Cocktail (Club SASA)

## **Tuesday, August 26<sup>th</sup> - Main Hall**

**Chairman: I. Meglinski**

09.00 - 09.35	<b>V. Tuchin</b> ( <i>tutorial lecture</i> ) "Tissue optical clearing as an innovative means for optical imaging and phototherapy from UV to terahertz"
09.35 - 09.45	Discussion break
09.45 - 10.20	<b>V. Tuchin</b> ( <i>tutorial lecture</i> ) "Tissue optical clearing as an innovative means for optical imaging and phototherapy from UV to terahertz"
10.20 - 10.40	Coffee break

**Chairman: A. Daskalova**

10.40 - 11.25	<b>R. Bizzarri</b> ( <i>keynote lecture</i> ) "Seeing is believing: the modern approach to intracellular biochemistry"
11.25 - 11.35	Discussion break
11.35 - 12.05	<b>P. Loza Alvarez</b> ( <i>invited lecture</i> ) "Selected biomedical applications in Light sheet microscopy"
12.05 - 12.35	<b>I.M. Schiessl</b> ( <i>invited lecture</i> ) "Serial 2-photon imaging of the kidney reveals the dynamics of kidney fibrosis after acute injury"
12.35 - 14.30	Lunch break

**Chairman: I. Drvenica**

14.30 - 15.00	<b>A. Daskalova</b> ( <i>invited lecture</i> ) "Sustainable Surface Engineering of Stainless Steel: Antimicrobial and Antiviral Functionalization via Femtosecond Laser Processing and Magnetron Deposition of Cu and Ag"
15.00 - 15.30	<b>R. Sroka</b> ( <i>invited lecture</i> ) "Potential of 5-ALA in Neurosurgery – Fluorescence and Photodynamic Therapy"
15.30 - 15.45	<b>M. Kosowska</b> ( <i>contributed talk</i> ) <i>online</i> "Fiber optic sensors enhanced by diamond structures for biomedical and environmental sensing"
15.45 - 16.00	<b>M. Suplewski</b> ( <i>contributed talk</i> ) "Novel Phosphorene-based Photodetector for biomarker analysis at UV range"
16.00 - 16.15	<b>P. Sokolowski</b> ( <i>contributed talk</i> ) "Fiber Optic Based Sensors For Viral Biomarkers Detection"
16.15 - 16.30	Coffee break

**Chairman: A. Krmpot**

16.30 - 16.50	<b>M. Radmilović</b> ( <i>progress report</i> ) "Label-free characterization of red blood cells using advanced optical techniques"
16.50 - 17.10	<b>T. Pajić</b> ( <i>progress report</i> ) "Multiphoton Live-Cell Metabolic Imaging and Femtosecond Laser Nanosurgery of Filamentous Fungi"
17.10 - 17.30	<b>K. Stevanović</b> ( <i>progress report</i> ) "Comparative Study of Ion Channels in Filamentous Fungi Following the Novel Development of Laser Nanosurgery for Cell Wall Removal"

17.30 - 17.45	<b>I. Bobrinetskiy</b> ( <i>contributed talk</i> ) online "Fluorescent proteins as perspective elements of optoelectronic devices"
17.45 - 18.00	<b>Y. Demirhan</b> ( <i>contributed talk</i> ) "Graphene Based Plasmon-Induced Terahertz Metamaterial for High-Performance Multispectral Detecting"
18.00 - 18.15	<b>M. Vinic</b> ( <i>contributed talk</i> ) "Enhancement of LIBS Signal via NELIBS and LIPSS for Biomedical Applications"
18.15 - 18.30	<b>A. Shirkavand</b> ( <i>contributed talk</i> ) "Thermal Damage Modeling of CO2 Fractional Laser Induced Skin Micro-Tunnels"
18.30 - 20.00	Posters (Club SASA) Topics 1,2,3,4,11

## **Wednesday, August 27<sup>th</sup> - Main Hall**

**Chairman: P. Loza-Alvarez**

09.00 - 09.35	<b>M. Farsari</b> ( <i>tutorial lecture</i> ) "3D Printing at the nanoscale using MultiPhoton Lithography"
09.35 - 09.45	Discussion break
09.45 - 10.20	<b>M. Farsari</b> ( <i>tutorial lecture</i> ) "3D Printing at the nanoscale using MultiPhoton Lithography"
10.20 - 10.40	Coffee break

**Chairman: I. M. Schiessl**

10.40 - 11.25	<b>L. Banares</b> ( <i>keynote lecture</i> ) "Manipulation of photoinduced reaction dynamics with strong laser fields"
11.25 - 11.35	Discussion break
11.35 - 12.05	<b>I. Meglinski</b> ( <i>invited lecture</i> ) "Twisted Light in Scattering Medium: From Optical Angular Momentum to Biomedical Diagnostics"
12.05 - 12.35	<b>E. Rafailov</b> ( <i>invited lecture</i> ) "Direct photosensitizer-free laser treatment of cancers"
12.35 - 14.30	Lunch break

14.30 - 22.00	Excursion (Oplenac, Topola)
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## **Wednesday, August 27<sup>th</sup> - Hall 102**

09.00 - 17.00	COST Action CA21159-PhoBioS
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## **Wednesday, August 27<sup>th</sup> - Hall 103**

12.00 - 15.00	Workshop on Advanced nanosystems for photoconversion
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## **Thursday, August 28<sup>th</sup> - Main Hall**

**Chairman: E. Rafailov**

09.00 - 09.35	<b>E. Kapon</b> ( <i>tutorial lecture</i> ) "Integrated Quantum Photonics: Physics, technology, applications"
09.35 - 09.45	Discussion break
09.45 - 10.20	<b>E. Kapon</b> ( <i>tutorial lecture</i> ) "Integrated Quantum Photonics: Physics, technology, applications"
10.20 - 10.40	Coffee break

**Chairman: T. Gric**

10.40 - 11.25	<b>Z. Zalevsky</b> ( <i>keynote lecture</i> ) "Super-resolved imaging of obscured objects"
11.25 - 11.35	Discussion break
11.35 - 12.05	<b>F. Riboli</b> ( <i>invited lecture</i> ) <i>online</i> "Nonlinear disordered photonics for cryptography and optical isolation"
12.05 - 12.35	<b>K. Vysokinos</b> ( <i>invited lecture</i> ) "SiN PICs and PPICs for Photonic Neural Networks, High-Speed Transmitters, and Sensors"
12.35 - 12.50	<b>Tevus d.o.o. P. Srejš</b> ( <i>industrial lecture</i> ) „Edinburgh instruments Multimodal Confocal Raman Microscopes and Photoluminescence spectrometers: short overview of scientific grade high-end instruments and lasers“
12.50 - 14.30	Lunch break

**Memorial lectures Prof. V. Milanovic**

**Chairman: J. Radovanovic**

14.30 - 14.35	<b>J. Radovanović</b> ( <i>memorial lecture</i> ) "Modelling of Terahertz Quantum Cascade Laser Self-Mixing Dynamics"
14.35 - 15.05	<b>Z. Ikonić</b> ( <i>memorial lecture</i> ) "Progress in group-IV photonics based on SiGeSn materials"
15.05 - 15.35	<b>Lj. Hadžievski</b> ( <i>memorial lecture</i> )
15.35 - 15.55	<b>D. Indjin</b> ( <i>memorial lecture</i> ) "30+ years of quantum-cascade laser: progress in terahertz frequency range - development and applications"
15.55 - 16.15	<b>N. Vukmirović</b> ( <i>memorial lecture</i> ) "Electronic transport in semiconductors: from textbook knowledge to modern problems"
16.15 - 16.30	Coffee break

**Chairman: J. Petrovic**

16.30 - 16.50	<b>M. Stojanović</b> ( <i>progress report</i> ) "Propagation and Stability of Compact Localized Modes in 2D Photonic Flat-band Lattices"
16.50 - 17.10	<b>P. Atanasijević</b> ( <i>progress report</i> ) "Real-time imaging using <i>Morpho didius</i> wing scales as biophotonic microcantilever pixels"
17.10 - 17.30	<b>J. Jakovac</b> ( <i>progress report</i> ) "Electron-plasmon Scattering in Doped Graphene"
17.30 - 19.00	Posters (Club SASA) Topics 5,6,7,9,10,12
19.30 - 23.30	Conference dinner (Aeroklub)

### **Thursday, August 28<sup>th</sup> - Hall 102**

09.00 - 17.00	COST Action CA21159-PhoBioS
17.30 - 19.00	Posters (Club SASA) Topics 5,6,7,9,10,12
19.30 - 23.30	Conference dinner (Aeroklub)

### **Thursday, August 28<sup>th</sup> - Hall 103**

14.30 - 17.30	BioQantSense workshop
17.30 - 19.00	Posters (Club SASA) Topics 5,6,7,9,10,12
19.30 - 23.30	Conference dinner (Aeroklub)

### **Friday, August 29<sup>th</sup> - Main Hall**

**Chairman: N. Vukmirovic**

09.00 - 09.35	<b>D. Zibar</b> ( <i>tutorial lecture</i> ) "Advancing the next generation of photonic systems using machine learning"
09.35 - 09.45	Discussion break
09.45 - 10.20	<b>D. Zibar</b> ( <i>tutorial lecture</i> ) "Advancing the next generation of photonic systems using machine learning"
10.20 - 10.40	Coffee break

**Chairman: P. Andjus**

10.40 - 10.55	<b>A. Milosavljević</b> ( <i>contributed talk</i> ) "Studying electronic properties and plasmonic reactivity of (functionalized) nanoparticles by x-ray aerosol photoelectron spectroscopy (XAPS)"
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10.55 - 11.10	<b>N. Petrovic</b> ( <i>contributed talk</i> ) "Solutions to variants of the resonant nonlinear Schrödinger equation using the Jacobi elliptic function expansion method"
11.10 - 11.40	<b>E. S. Bozin</b> ( <i>invited lecture</i> ) "Ultrafast pair distribution function as a probe of hidden states in quantum materials"
11.40 - 12.10	<b>V. Amendola</b> ( <i>invited lecture</i> ) <i>online</i> "On the optical properties of laser-generated plasmonic nanoalloys and their use for the assessment of biodegradable nanomedicines"
12.10 - 12.40	<b>K. Zhou</b> ( <i>invited lecture</i> ) <i>online</i>
12.40 - 14.30	Lunch break

**Chairman: Lj. Hadzievski**

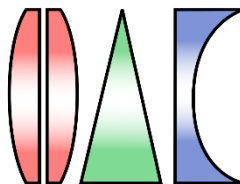
14.30 - 15.00	<b>F. Renzoni</b> ( <i>invited lecture</i> ) "Electromagnetic Induction Imaging with Atomic Magnetometers: Coming of Age"
15.00 - 15.30	<b>C. Hermann</b> ( <i>invited lecture</i> ) "Bright and Quantum: Toward Intense and Non-Gaussian Quantum Light"
15.30 - 15.45	<b>M. Banović</b> ( <i>contributed talk</i> ) "The interference effects in injection-locking-based reservoir computing: a case study of a Fabry-Perot laser diode under optical injection"
15.45 - 16.00	<b>M. Likhachev</b> ( <i>contributed talk</i> ) "Single-Frequency DFB Laser based on High-Yb-doped photosensitive fiber"
16.00 - 16.15	<b>M. Pereira</b> ( <i>contributed talk</i> ) <i>online</i> "TERA-MIR Photonic Functionalities and Applications"
16.15 - 16.30	Coffee break

**Chairman: A. Milosavljevic**

16.30 - 16.45	<b>T. Apostolova</b> ( <i>contributed talk</i> ) <i>online</i> "Laser Polarization Control of High Harmonics in Centrosymmetric and Non-Centrosymmetric Semiconductors"
16.45 - 17.00	<b>L. Stoyanov</b> ( <i>contributed talk</i> ) "Controllable Splitting and Coherently Recombining Intense Femtosecond Pulses Using Structured Light"
17.00 - 17.15	<b>A. Miranda</b> ( <i>contributed talk</i> ) "Cross waveguide design for color-centers in diamond"
17.15 - 17.30	<b>A. Ilic</b> ( <i>contributed talk</i> ) "Data transmission rate estimates for OAM-carrying waves generated by various discrete EM radiating sources"
17.30 - 17.45	<b>M. Krstic</b> ( <i>contributed talk</i> ) "Reconfigurable NAND/NOR/S-R latch all-optical circuit based on a dual injection-locked Fabry-Pérot laser"
17.45 - 18.00	<b>T. Gric</b> ( <i>contributed talk</i> ) "Semiconductor-driven tunable nanostructured metamaterial with epsilon-near-zero transition layer"

18.00	Closing
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