

**THE XXIV ANNUAL CONFERENCE  
SARATOV FALL MEETING 2020**

**VIII SYMPOSIUM ON OPTICS & BIOPHOTONICS**

**SEPTEMBER 29 – OCTOBER 2, 2019, SARATOV, RUSSIA**

**AND**

**XXIV INTERNATIONAL SCHOOL FOR JUNIOR  
SCIENTISTS AND STUDENTS ON OPTICS, LASER  
PHYSICS & BIOPHOTONICS**

**SEPTEMBER 28 – OCTOBER 2, 2019, SARATOV, RUSSIA**

**CO-LOCATED WITH CONFERENCE:**

**“TOWARDS OPTICAL AND MULTIMODALITY  
TRANSLATIONAL IMAGING”**

**SEPTEMBER 30-OCTOBER 2, 2019, SARATOV, RUSSIA**

***Organized by***

Saratov State University (National Research University of Russia) (SSU)

Research-Educational Institute of Optics and Biophotonics, SSU

International Research-Educational Center of Optical Technologies for Industry and Medicine “Photonics”, SSU

Institute of Biochemistry and Physiology of Plants and Microorganisms, RAS

Institute of Precision Mechanics and Control, RAS (IPMC RAS)

Saratov State Medical University named after V.I. Razumovsky

Volga Region Center of New Information Technologies, SSU

Tomsk State University (National Research University of Russia) (TSU)

ITMO University

Bauman Moscow State Technical University (BMSTU)

Institute of Solid State Physics of the RAS (ISSP RAS)

Prokhorov General Physics Institute of the RAS (GPI RAS)

Bach Institute of Biochemistry, Research Center of Biotechnology of the RAS

Sechenov First Moscow State Medical University (Sechenov University)

Institute of Ultra High Frequency Semiconductor Electronics of the RAS (IUHFSE RAS)

Biomedical Photonics Committee of Chinese Optical Society, China

SPIE Student Chapter of SSU  
SPIE Student Chapter of BMSTU  
SPIE Student Chapter of ISSP RAS  
SPIE Student Chapter of Samara University  
OSA Student Chapter of SSU  
OSA Student Chapter of BMSTU

***In cooperation with***

Russian Society for Photobiology  
Saratov Science Center of the RAS  
Biophotonics.World - the worldwide consortium Biophotonics4Life  
EPIC – European Photonics Industry Consortium

***Co-sponsored by***

Ministry of Science and Higher Education of the Russian Federation  
Saratov State University  
RAS – Russian Academy of Sciences  
RFBR – Russian Foundation for Basic Research  
SPIE – The International Society for Optics and Photonics  
OSA – The International Optical Society  
IEEE – Institute of Electrical and Electronics Engineers  
Russian Technology Platform “The Medicine of the Future”  
Russian Technology Platform “Photonics”  
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**The main goal** of the School is to involve junior researchers and students in the field of recent developments and applications of laser and optical technologies in medicine and biology, coherent optics of random and ordered media, material and environmental sciences, nonlinear dynamics of laser systems, laser spectroscopy and molecular modeling, nanophotonics and nanobiophotonics. The main attention will be paid to discussion of fundamentals and general approaches of description of coherent, low-coherent, polarized, spatially and temporally modulated light interactions with inhomogeneous scattering media, photonic crystals, nanoparticles, tissue phantoms, and various types of tissues *in vitro* and *in vivo*. Such effects as static and dynamic light scattering, Doppler effect, Raman scattering, SERS, CARS, SHG, multiphoton fluorescence, optoacoustic and optothermal interactions, mechanical stress, photodynamic effect, etc will be considered. On this basis, the variety of laser and optical technologies for medical diagnostics, therapy, surgery, and light dosimetry, as well as for spectroscopy of random and ordered tissue will be presented.

SFM-20 will be organized as the Internet Short Courses, plenary sessions with lectures and poster sessions. Plenary lectures will be given by well-recognized experts in the field and posters by the junior researchers and students.

Official languages of the meeting are English and Russian.

### ***The Conference fee***

For foreign participants, the conference fee is \$200 (lunches, barbecue, Volga-river voyage, and light refreshments are included), may be paid during the Meeting or transferred to the account number for request.

For Russian participants the Conference fee will depend on financial support from sponsoring organizations.

### ***Lodging***

Western style mini-hotel Bohemia in the downtown

<http://www.bohemiahotel.ru>

Hotel "Slovakia" ashore the Volga river

<http://slovakia.all-hotels.ru/>

Hotel "Volga" in the downtown

<http://astoria-saratov.ru/en/hotels/volga/>

Hotel "Saratov" in the downtown

<http://astoria-saratov.ru/en/hotels/saratov/>

Hotel "Volna" ashore the Volga river

<http://volna64.ru/>

### ***Culture program***

Visits to Conservatoire, Theaters, and Museums, 2-hour Volga-tour.

### ***Visa application support***

To apply for visa to Russian Consulate you need an official invitation letter. The following information about you and accompany persons is needed:

1. Passport (valid up to six months after October 2, 2020) number: \_\_\_\_\_  
dates of issue: \_\_\_ and of expiry: \_\_\_\_\_ (copy of passport page with photo)
2. Date of birth: \_\_\_\_, place of birth: \_\_\_\_\_
3. Living address: \_\_\_\_\_
4. Working position: \_\_\_\_\_
5. Working address: \_\_\_\_\_
6. Name of town, where you are going to apply for visa (Russian consulate)

Please, send this information to general secretary of the SFM-20

Elina A. Genina: [eagenina@yandex.ru](mailto:eagenina@yandex.ru)

## **Proceedings**

Conference papers will be published as Conference Proceedings (in Russian and English) under the title "Optical Physics and Biophotonics", SPIE Proceedings (3 volumes), and in Russian and International peer-reviewed journals: *Journal of Biomedical Photonics & Engineering*, *Quantum Electronics (Russian/English)*, *Optics and Spectroscopy (Russian/English)*, *Nonlinear Applied Physics (Russian/English)*, *Journal of Biomedical Optics*, *Optical Engineering*, *The European Physical Journal*.

All papers will be subjected to the normal refereeing process for the journals.

For special issue of *Quantum Electronics* manuscripts of papers should be submitted not later than **August 15, 2020**. For SPIE Proceedings and Book of manuscripts "Optical Physics and Biophotonics" – not later than **October 31, 2020**.

## **Journal of Biomedical Optics**

### **Advances in Terahertz Biomedical Science and Applications**

<https://www.spiedigitallibrary.org/journals/journal-of-biomedical-optics/call-for-papers#navBarAnchor>

Submission Deadline **31 October 2020**

[Submit a Manuscript](#)

[Author Guidelines](#)

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## **Optical Engineering**

### **Advances in Terahertz and Infrared Optoelectronics**

<https://www.spiedigitallibrary.org/journals/optical-engineering/call-for-papers#navBarAnchor>

**Manuscripts due 31 October 2020.**

[Submit a Manuscript](#)

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**The European Physical Journal (EPJ)**

[EPJ ST Special Issue: Breakthrough optics- and complex systems-based technologies of modulation of drainage and clearing functions of the brain](#)  
<https://epjst.epj.org/epjst-open-calls-for-papers>

**Submission Deadline: September 30, 2020.**

A pdf of this Call for Papers can be downloaded [here](#)

We are looking forward to your contributions.

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