



Chinese-Russian Workshop on Biophotonics and Biomedical Optics-2020

SEPTEMBER 28 – 29, 2020, SARATOV, RUSSIA

Organized by

Wuhan National Laboratory for Optoelectronics, Huazhong University of Science and Technology, P.R. China

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

Biomedical Photonics Committee of Chinese Optical Society, P.R. China

SPIE Student Chapter of SSU

OSA Student Chapter of SSU

Chairs

Dan Zhu, Ph. D, Professor, SPIE Fellow, Deputy Director of Wuhan National Laboratory for Optoelectronics, Huazhong University of Science and Technology, Wuhan, China

Valery V Tuchin, Corr.-member of the RAS, Doc. of Sci., Professor, SPIE/OSA Fellow, Head of Optics and Biophotonics Department, Saratov State University; Head of Laboratory of Laser Diagnostics of Technical and Living Systems, Institute of Precision Mechanics and Control of the RAS, Saratov, Russia

Secretaries:

Tingting Yu, Ph. D, Associated Professor, Wuhan National Laboratory for Optoelectronics, Huazhong University of Science and Technology, Wuhan, China

Polina A. Dyachenko, Ph. D, Associated Professor, Optics and Biophotonics Department, Saratov State University, Saratov, Russia

Organizing Committee

Ivan V. Fedosov

Anton A. Dyachenko

Elina A. Genina

Vadim D. Genin

Oleg V. Grishin

Vitaly A. Khanadeev

Ekaterina N. Lazareva

Isabella A. Serebryakova

Michael M. Slepchenkov

Daria K. Tuchina

Chinese-Russian Workshop on Biophotonics and Biomedical Optics-2020 will be held online, on 28, Sept-2, Oct. 2020, which is designed to bring together both Russian and Chinese scientists, engineers and clinical researchers from a variety of disciplines engaged in applying optical science, photonics and imaging technologies to problems in biology and medicine. The scope of this bilateral Forum ranges from basic research to instrumentation engineering, to biological and clinical studies.

The topics of this forum are broad and will cover (but not limited to) the following:

- Optical Interactions with Tissue and Cells
- Biomedical Spectroscopy, Microscopy and Imaging
- Advanced Optical Techniques for Clinical Medicine
- Optical Molecular Imaging
- Multimodal Biomedical Imaging
- Nano/Biophotonics
- Photonics Therapeutics, Diagnostics and Instrumentations
- Tissue Optical Clearing and Drug Delivery

Official language of the meeting is English.

Proceedings

Conference papers will be published as Conference Proceedings (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*, *Optics and Spectroscopy*, *Journal of Biomedical Optics*, *Optical Engineering*, *The European Physical Journal*, and *MDPI Materials*.

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 31, 2020**. For SPIE Proceedings (payment directly to SPIE approx. 45 USD per paper) and Book of manuscripts "Optical

Physics and Biophotonics” – not later than **October 31, 2020**.

Quantum Electronics Laser Biophotonics

Submission Deadline **31 August 2020**

Dear colleagues!

Considering your outstanding expertise in the development and application of lasers and laser techniques for diagnostics and modification of biological objects, we invite you to make a contribution to the next special issue of the journal Quantum Electronics (QE) on laser biophotonics. The issue is scheduled to appear in the first issue of the journal for 2021 and will be composed primarily of invited original articles by leading researchers in the area of biophotonics.

Articles should be submitted in electronic form (MS Word and PDF formats are accepted) to the address of one of the invited editors (Articles should not be sent to the editorial office). The recommended length of the article is 15 pages, 2-spaced, 12 font size, including figures.

The deadline for the submission of manuscripts is **August 31, 2020**.

For the convenience of planning the issue, we ask you to inform in advance about your plans in connection with this invitation and, in case of a positive decision, the preliminary title of your article.

Featured Issue Editors:

Alexander V. Priezzhev, Moscow State University, avp2@mail.ru

Valery V. Tuchin, Saratov State University, IPMC RAS, tuchinvv@mail.ru

Andrei E. Lugovtsov, Moscow State University, anlug@biomedphotonics.ru

Mikhail Yu. Kirillin, IAP RAS, mkirillin@yandex.ru

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](#)

Guest Editors

Kirill I. Zaytsev

Prokhorov General Physics Inst., Russian Academy of Sciences,
and Bauman Moscow State Technical Univ., Russia

E-mail: kirzay@gmail.com

Vladimir N. Kurlov

Inst. of Solid State Physics, Russian Academy of Sciences

E-mail: kurlov@issp.ac.ru

Maksim Skorobogatiy

Dept. of Engineering Physics, Polytechnique Montreal, Canada

E-mail: maksim.skorobogatiy@polymtl.ca

Igor V. Reshetov

Sechenov First Moscow State Medical Univ., Russia,
and Academy of Postgraduate Education FSCC, FMBA, Russia

E-mail: reshetoviv@mail.ru

Valery V. Tuchin

Saratov State Univ. and Tomsk State Univ., Russia,
and Inst. of Precision Mechanics and Control, Russian Academy of Sciences

E-mail: tuchinvv@mail.ru

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](#)

[Author Guidelines](#)

Guest Editors

Irina N. Dolganova

Institute of Solid State Physics of the Russian Academy of Sciences, Russia
Bauman Moscow State Technical University, Russia
in.dolganova@gmail.com

Dmitry S. Ponomarev

Institute of Ultra-High-Frequency Semiconductor Electronics of the Russian Academy of Sciences, Russia
ponomarev_dmitr@mail.ru

Igor E. Spektor

Prokhorov General Physics Institute of the Russian Academy of Sciences, Russia
igor.spektor@yandex.ru

Peter S. Timashev

Institute for Regenerative Medicine, Sechenov University, Russia
timashev.peter@gmail.com

Michael S. Shur

Rensselaer Polytechnic Institute
Troy, New York, USA
shurm@rpi.edu

Valery V. Tuchin

Saratov State University, Russia
Institute of Precision Mechanics and Control of the Russian Academy of Sciences, Russia
tuchinvv@mail.ru

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)
<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.

Guest Editors:

Jürgen Kurths

Physics Department, Humboldt University, Berlin, Germany
Potsdam Institute for Climate Impact Research, Potsdam, Germany
Saratov State University, Saratov, Russia
E-mail: juergen.kurths@pik-potsdam.de

Thomas Penzel

Sleep Medicine Center, Charite University Hospital, Berlin, Germany
Saratov State University, Saratov, Russia
E-mail: thomas.penzel@charite.de

Valery V. Tuchin

Saratov State University, Saratov, Russia
Tomsk State University, Tomsk, Russia
Institute of Precision Mechanics and Control of the RAS, Saratov, Russia
Research Center of Biotechnology of the RAS, Moscow, Russia
E-mail: tuchinvv@mail.ru

Teemu Myllylä

University of Oulu, Oulu, Finland
E-mail: teemu.myllyla@oulu.fi

Ruikang (Ricky) K Wang

University of Washington, Seattle
E-mail: wangrk@uw.edu

Oxana Semyachkina-Glushkovskaya

Saratov State University, Saratov, Russia
E-mail: glushkovskaya@mail.ru



Materials: section **Optics and Photonics**
Special Issues and Collections in MDPI journals

Advanced Materials for Biophotonics Applications

https://www.mdpi.com/journal/materials/special_issues/advanced_biophotonics_applications

Deadline for manuscript submissions: **31 December 2020**.

Special Issue Editors**Prof. Dr. Valery Tuchin**

Guest Editor

Head of the Chair of Optics and Biophotonics, Saratov State University

(National Research), Institute of Precision Mechanics and Control of the RAS, Russia

Prof. Malgorzata Szczerska

Guest Editor

Department of Metrology and Optoelectronics, Faculty of Electronics, Telecommunications and Informatics, Gdańsk University of Technology, Poland



JOURNAL OF INNOVATIVE OPTICAL HEALTH SCIENCES
Advances in biophotonics and biomedical optics

The reports of the Chinese-Russian Workshop Biophotonics and Biomedical Optics will be published in a special section of the Journal of Innovative Optical Health Sciences entitled «**Advances in biophotonics and biomedical optics**», other SFM'20 participants are also invited to submit papers, all manuscripts will be subject to the standard peer review process and will be free of charge upon acceptance for publication.