

# SARATOV FALL MEETING XXIX

29 SEPTEMBER – 3 OCTOBER, 2025, Saratov, Russia

XIII Symposium on Optics & Biophotonics

XXIX International School for Junior Scientists and Students on Optics, Laser Physics & Biophotonics

Chinese-Russian Workshop on Biophotonics and Biomedical Optics-2025

BRICS Workshop on Biophotonics IV – 2025

14 Conferences and Workshops

9 Plenary Speakers

27 Invited Speakers

>80 Internet Reports

>300 Participants from >20 Countries



<https://sfmconference.org>



Valery V. Tuchin  
Chair of SFM

## Plenary Speakers



A NEW PARADIGM IN QUANTUM BIOPHOTONICS: PRESERVING ORBITAL ANGULAR MOMENTUM IN SCATTERING TISSUES  
**Igor V. Meglinski**  
Aston University, UK



PHOTONICS WORKS TOGETHER WITH NANO- AND MICROSTRUCTURED MATERIALS FOR BIOMEDICAL APPLICATIONS  
**Dmitry A. Gorin**  
Skolkovo Institute of Science and Technology, Skoltech, Moscow, Russia



LUMINESCENCE LIFETIME IMAGING: FROM FUNDAMENTALS TO APPLICATIONS AND CLINICAL RELEVANCE  
**Vladislav Shcheslavskiy**  
Institute of Experimental Oncology and Biomedical Technologies, Privolzhsky Research Medical University, Nizhny Novgorod, Russia  
Becker&Hickl GmbH, Berlin, Germany



LOOKING BACK AT 35 YEARS OF SINGLE-MOLECULE OPTICS  
**Michel Orrit**  
Leiden University, Netherlands



IN VIVO OPTICAL MICROSCOPY AND ITS BIOMEDICAL APPLICATIONS  
**Ling Fu**  
Hainan University, China



TISSUE OPTICAL CLEARING FOR IMAGING BRAIN  
**Dan Zhu**  
Huazhong University of Science and Technology, China



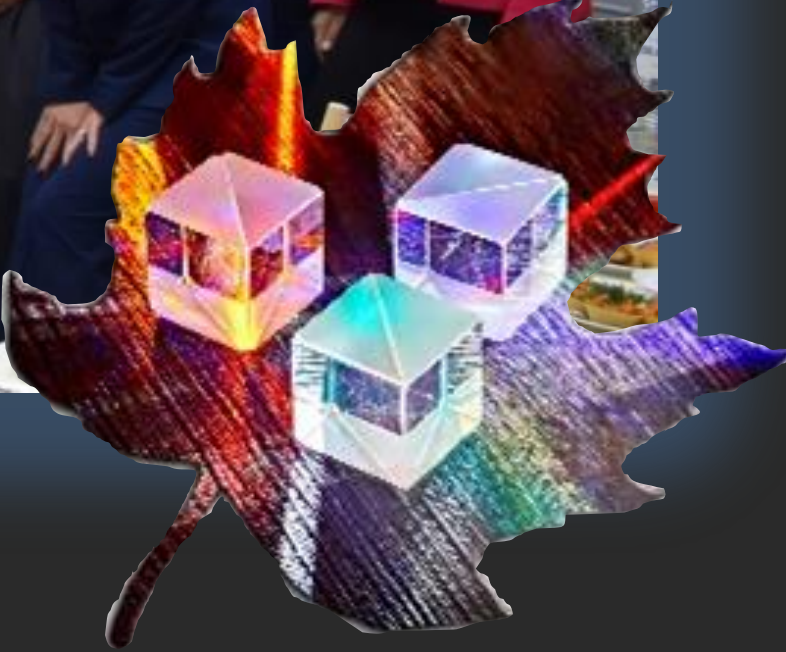
PHOTOACOUSTIC, LIGHT-SPEED, AND QUANTUM IMAGING  
**Lihong V. Wang,**  
Caltech, USA



SEEING LIFE IN A NEW LIGHT: FROM SIMPLE CLASSICAL PHYSICS TO QUANTUM-ENHANCED IMAGING  
**Vladislav V. Yakovlev**  
TAMU, USA



PHOTOTHERMAL SPECTROSCOPY IN ANALYTICAL AND APPLIED CHEMISTRY  
**Mikhail A. Proskurnin**  
Lomonosov Moscow State University, Russia





# CONFERENCES AND WORKSHOPS

## XIII SYMPOSIUM ON OPTICS & BIOPHOTONICS

- ✓ OPTICAL TECHNOLOGIES IN BIOPHYSICS & MEDICINE XXVII
- ✓ LASER PHYSICS AND PHOTONICS XXVII
- ✓ SPECTROSCOPY AND MOLECULAR MODELING XXVI
- ✓ ELECTROMAGNETICS OF MICROWAVES, SUBMILLIMETER & OPTICAL WAVES XXV
- ✓ NANOBIPHOTONICS XXI
- ✓ INTERNET BIOPHOTONICS XVIII
- ✓ NONLINEAR DYNAMICS XVI
- ✓ LOW-DIMENSIONAL STRUCTURES XV
- ✓ QUANTUM SCIENCE AND TECHNOLOGIES VI
- ✓ TERAHERTZ OPTICS AND BIOPHOTONICS VIII
- ✓ ADVANCED MATERIALS FOR OPTICS AND BIOPHOTONICS VIII
- ✓ APPLICATIONS OF LASER MOLECULAR IMAGING AND MACHINE LEARNING V
- ✓ ENDOGENOUS BIOPHOTONICS: ULTRA-WEAK LUMINESCENCE FROM BIOLOGICAL SYSTEMS IV
- ✓ OPTICAL CHEMO- AND BIOSENSORS

## XXVIII INTERNATIONAL SCHOOL FOR JUNIOR SCIENTISTS AND STUDENTS ON OPTICS, LASER PHYSICS & BIOPHOTONICS:

- ✓ MODERN OPTICS XXIV
- ✓ ENGLISH AS A COMMUNICATIVE TOOL IN THE SCIENTIFIC COMMUNITY XXIV
- ✓ HISTORY, METHODOLOGY AND PHILOSOPHY OF THE OPTICAL EDUCATION XVIII
- ✓ ROUND TABLE OF HIGH TECHNOLOGIES COMMERCIALIZATION AND REGIONAL INNOVATION SYSTEMS XIX

## CHINESE-RUSSIAN WORKSHOP ON BIOPHOTONICS AND BIOMEDICAL OPTICS-2025

## BRICS WORKSHOP ON BIOPHOTONICS IV – 2025

## PROCEEDINGS

Conference Proceedings “Problems of Optical Physics and Biophotonics”

Optics & Spectroscopy – Special section on Biophotonics,

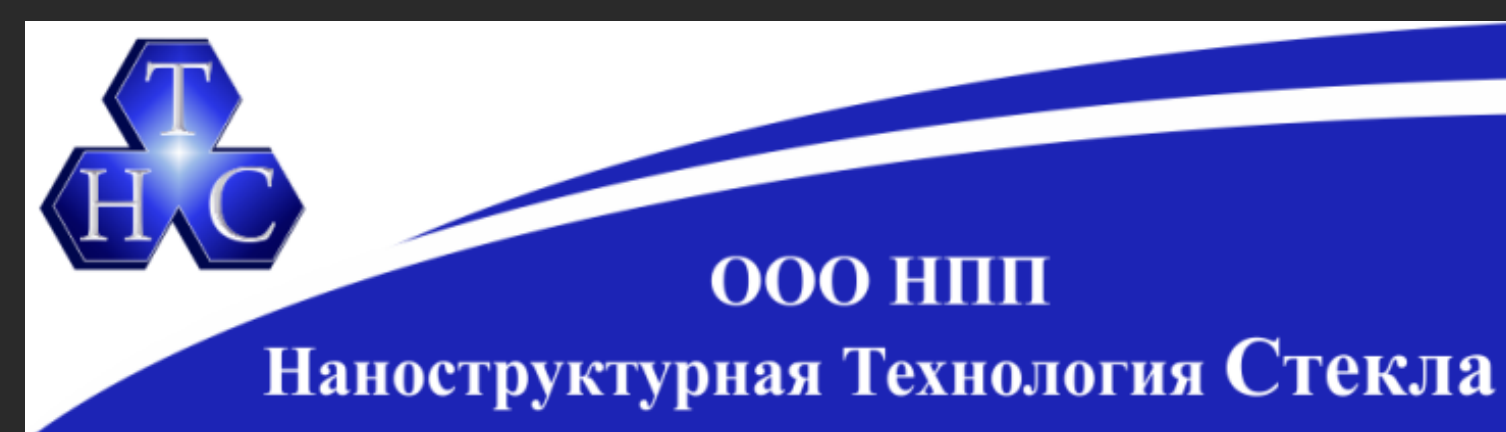
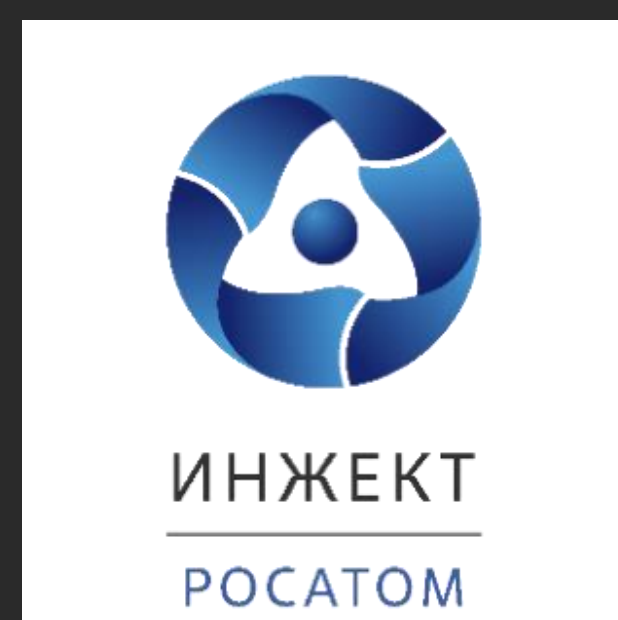
Optics & Spectroscopy – Special section on Promising materials of optoelectronics, laser physics, and photonics

Special Issue of Journal of Technical Physics on Laser Physics and Photonics

Special issue of Journal of Analytical Chemistry – Optical chemo and bio-sensors.



## SPONSORS



Journal of Biomedical Photonics & Engineering