

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



Valery V. Tuchin
Chair of SFM



<https://sfmconference.org>

Building 8, Hall 420

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



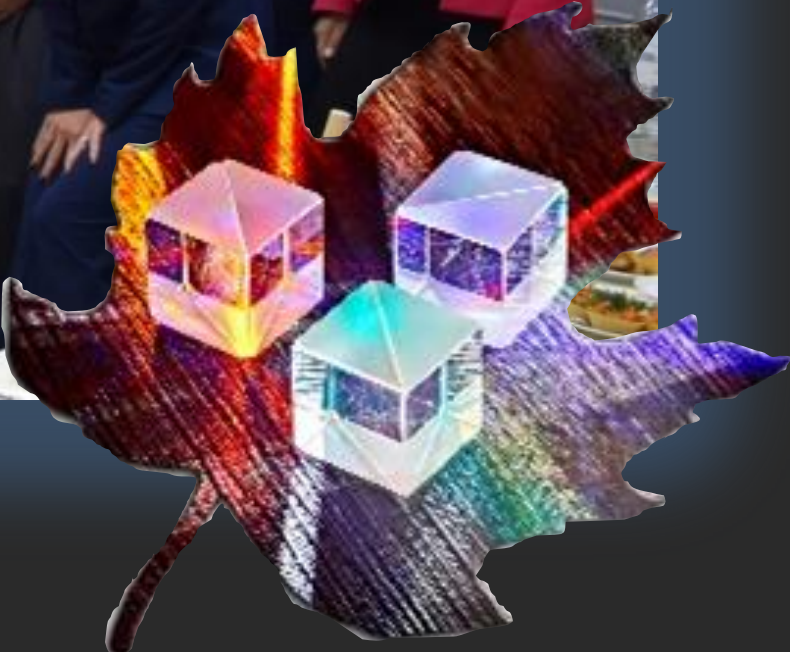
SEEING LIFE IN A NEW LIGHT: FROM SIMPLE CLASSICAL PHYSICS TO QUANTUM-ENHANCED IMAGING

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,

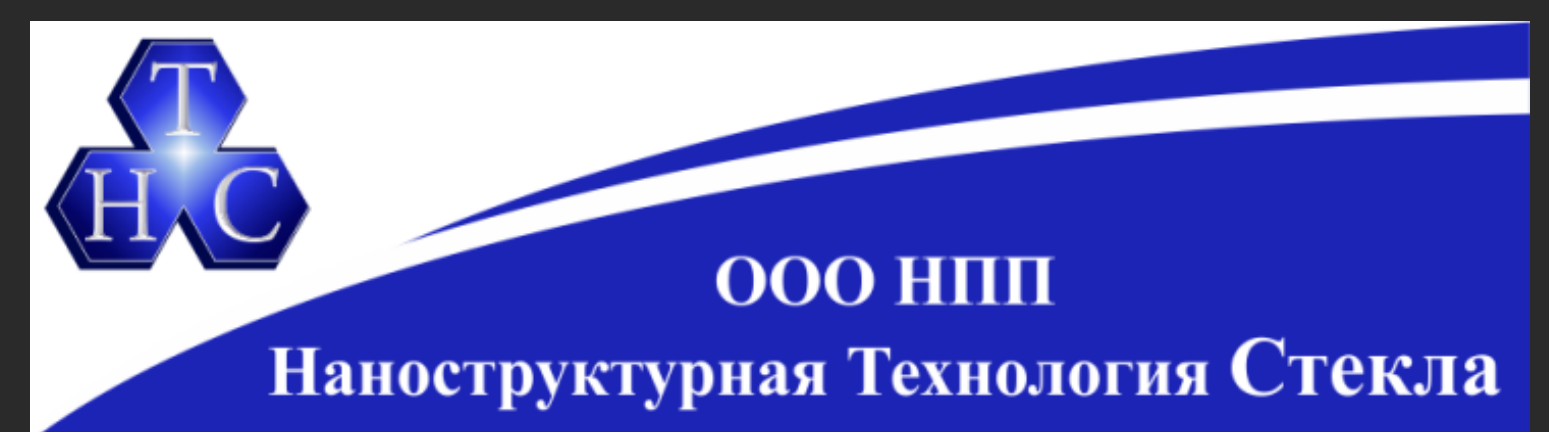
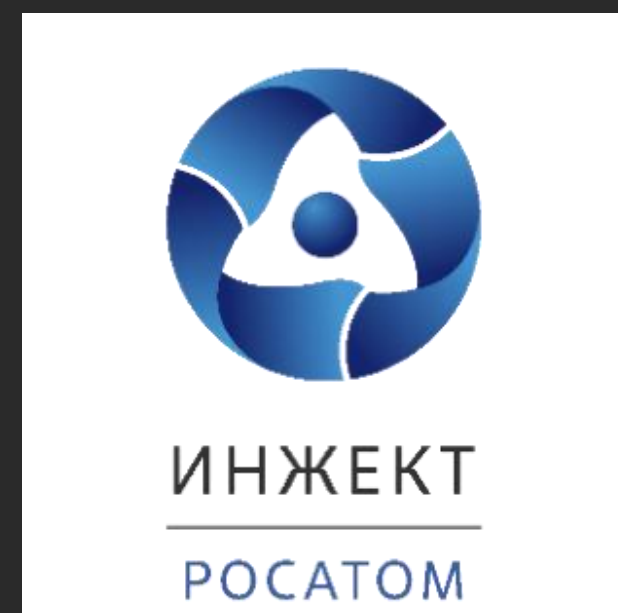
Optics & Spectroscopy – Special section on Promising materials of optoelectronics, laser physics, and photonics

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