

Schedule of SFM-13
1st International Symposium on Optics and Biophotonics
17th International School for Junior Scientists and Students on Optics, Laser Physics & Biophotonics

September 24, Tuesday

9.00-14.00	Registration	<i>Building 3, Foyer</i>
9.30-9.40	Opening of 17th International School on Optics, Laser Physics & Biophotonics Valery V. Tuchin, Chair, Saratov State University, Russia	<i>Building 10, Hall 503</i>
9.40-13.00	SPIE SHORT COURSE Laser Tissue Bonding: Principles and Applications Roberto Pini, National Reserch Council of Italy and University of Florence, Italy	<i>Building 10, Hall 503</i>
13.00-14.00	Lunch	
14.00-15.45	PLENARY SESSION I Chair: Valery V. Tuchin, Saratov State University, Russia Imaging Deep Tissue in Three Dimensions by Near Infrared Imaging, Martin Wolf, University Hospital Zurich, Switzerland Assessing Corneal and Soft Tissue Biomechanical Properties using Optical Coherence Elastography, Kirill V. Larin, University of Houston, USA Optical Biopsy with Complex Structured Light, Igor Meglinski, University of Otago, New Zealand	<i>Building 3, Big Physical Hall</i>
15.45-16.15	Coffee break	
16.15-18.00	PLENARY SESSION II Chair: Martin Wolf, University Hospital Zurich, Switzerland Silicon Nanoparticles for Sensitive Fluorescence Analysis in Living Cells and Drug Delivery Carried out by Multi Departmental and Institutional Collaborations, Munir H. Nayfeh, Department of Physics, University of Illinois at Urbana-Champaign, USA Analytical and Theranostic Applications of Plasmonic Nanoparticles and Multifunctional Nanocomposites, Nikolai G. Khlebtsov, Institute of Biochemistry and Physiology of Plants and Microorganisms, Russian Academy of Sciences, Saratov State University, Russia Terahertz Fingerprints in Biology and Technology, Alexander Shkurinov, M.V. Lomonosov Moscow State University, Russia	<i>Building 3, Big Physical Hall</i>
18.00-18.30	SPECIAL EVENT Publishing Your Manuscript – Useful Tips Peter E. Andersen, Technical University of Denmark, Roskilde, Denmark	<i>Building 3, Big Physical Hall</i>
19.00-21.00	Welcome Party	<i>University campus</i>

September 25, Wednesday

9.00-9.10	Opening of 1st International Symposium on Optics and Biophotonics Valery V. Tuchin, Chair, Saratov State University, Russia						<i>Building 10 Main Conference Hall</i>
9.10-10.55	PLENARY SESSION III Chair: Kirill V. Larin, University of Houston, USA From Organic Chromophores to Plasmonic Nanoparticles for Photothermal Therapies and Laser-activated Drug Release, Roberto Pini , National Reserch Council of Italy and University of Florence, Italy Green, Compact Diode Laser-based Systems for Biophotonics Application, Peter E. Andersen , Technical University of Denmark, Denmark Collapsing Field Domains in Electron-Hole Plasma of GaAs, and Examples of the Phenomenon Application from Superfast Voltage Switch to sub-THz Imaging, Sergey N. Vainshtein , University of Oulu, Finland						<i>Building 10 Main Conference Hall</i>
10.55-11.25	Coffee break						
11.25-12.05	INVITED LECTURE SESSION BIOPHYSICS I Chair: Alexander V. Priezhev, M.V. Lomonosov Moscow State University, Russia	<i>Building 10 Main Conference Hall</i>	11.25-13.00	MICROSCOPY AND LOW-COHERENCE METHODS Chair: Kirill V. Larin, University of Houston, USA	<i>Building 10, Hall 503</i>	ORAL SESSION ENGLISH Chair: Svetlana V. Eremina and Alexander B. Pravdin, Saratov State University, Russia	<i>Scientific Library Conference Hall</i>
12.05-13.00	ORAL SESSION BIOPHYSICS II Chair: Sergey N. Vainshtein, University of Oulu, Finland			NONLINEAR DYNAMICS AND COMPUTATIONAL BIOPHYSICS Chair: Vadim S. Anishchenko, Saratov State University, Russia			
13.00-14.00	Lunch						
15.00-17.00	Social program (Volga boat trip)						

September 26, Thursday

9.30-13.00	OSA SHORT COURSE Optical Coherence Tomography: Tissue Optical Properties Quantification Peter E. Andersen, Technical University of Denmark, Roskilde, Denmark			Building 10, Hall 503	
9.00-10.30	ORAL SESSION PHOTONICS I Chair: Vladimir L. Derbov , Saratov State University, Russia	Building 10 Main Conference Hall	ORAL SESSION EDUCATION I Co-chairs: Boris A. Medvedev and Vladimir P. Ryabukho , Saratov State University, Russia	Scientific Library Conference Hall	
10.30-11.00	Coffee break				
11.00-13.00	ORAL SESSION PHOTONICS II Chair: Vladimir L. Derbov , Saratov State University, Russia	Building 10 Main Conference Hall	ROUND-TABLE DISCUSSION EDUCATION II Co-chairs: Boris A. Medvedev and Vladimir P. Ryabukho , Saratov State University, Russia	Scientific Library Conference Hall	
13.00-14.00	Lunch				
14.00-16.00	ORAL SESSION BIOPHYSICS III Chair: Igor Meglinski , University of Otago, New Zealand	Building 10 Main Conference Hall	ORAL SESSION LOW-DIMENSIONAL STRUCTURES Chair: Olga Glukhova , Saratov State University, Russia	LECTURE SESSION MODERN OPTICS Chair: Vladimir P. Ryabukho , Saratov State University, Russia	Building 3, Big Physical Hall
			Building 10, Hall 503	ORAL SESSION SPECTROSCOPY Co-chairs: Valentin I. Berezin , and Lev M. Babkov , Saratov State University, Russia	Building 3, Room 34
16.00-16.30	Coffee break				
16.30-17.30	PLENARY SESSION INTERNET BIOPHOTONICS Chair: Valery V. Tuchin , Saratov State University, Russia Shaped Light for Biophotonics , Kishan Dholakia, University of St. Andrews, UK Origin of Optical Pulse and Non-Invasive Measurement of Hemoglobin , Ilya Fine, Elfi Tech Ltd., Science Park, Israel			Building 3, Big Physical Hall	
17.30-19.30	JOINT POSTER/INTERNET SESSION AND INTERNET DISCUSSION Moderators: Dmitry Agafonov , Ivan V. Fedosov , Saratov State University, Russia			Building 3, 3 rd floor Hall	

September 27, Friday

9.30-11.15	<p>ORAL SESSION NANOBIOPHOTONICS Chair: Nikolai G. Khlebtsov, IBPPM RAS, Saratov State University, Russia</p>	<p><i>Building 10 Main Conference Hall</i></p>	<p>ORAL SESSION MANAGEMENT I U.M.N.I.K.: Special session on student reports on Optics, Laser Physics and Biophotonics Co-chairs: Valery V. Tuchin and Julia S. Skibina, Saratov State University, SPE "Nanostructured Glass Technology" Ltd., Russia</p>	<p><i>Building 10, Hall 503</i></p>		
<p>11.15-11.45 Coffee break</p>						
11.45-13.00	<p>ORAL SESSION BIOPHYSICS IV Chair: Ivan Fedosov, Saratov State University, Russia</p>	<p><i>Building 10 Main Conference Hall</i></p>	<p>ORAL SESSION TELEMEDICINE Co-chairs: Elena V. Karchenova, ISfTeH and Saratov Alfa-Health-centre, and Valery V. Bakutkin, Saratov Research Institute of Hygiene, Russia</p>	<p><i>Saratov Alfa- Health centre</i></p>	<p>ORAL SESSION MANAGEMENT II U.M.N.I.K.: Special session on student reports on Optics, Laser Physics and Biophotonics Co-chairs: Julia S. Skibina and Valery V. Tuchin, Saratov State University, SPE "Nanostructured Glass Technology" Ltd., Russia</p>	<p><i>Building 10, Hall 503</i></p>
14.00-17.00	<p>Round-table discussions and closing of the School</p>					

September 28, Saturday

10.00-13.00	<p>WORKSHOP ADVANTAGES AND PITFALLS OF FLUORESCENCE TECHNIQUE AT MEDICAL APPLICATIONS Co-chairs: N.N. Bulgakova, General Physics Institute, RAS, Moscow, A.B. Pravdin, Yu.P. Sinichkin, Saratov State University, D.E. Suetenkov, and S.R. Utz, Saratov State Medical University, Saratov, Russia</p>	<i>Saratov State Medical University</i>
-------------	--	---