

Schedule of SFM-14
International Symposium “Optics and Biophotonics-II”
18th International School for Junior Scientists and Students on Optics, Laser Physics & Biophotonics

September 22, Monday

September 22, Monday		
12.00-14.00	Registration	<i>Building 10, Foyer</i>
14.00-14.10	Opening of 18th International School on Optics, Laser Physics & Biophotonics Valery V. Tuchin, Chair, Saratov State University, Russia	<i>Building 10, Hall 503</i>
14.10-15.30	FOUNDATION “DYNASTY” SHORT COURSE The spectroscopy, surface modification and bio/medical applications of nanodiamond Chia-Liang Cheng, National Dong Hwa University, Taiwan	<i>Building 10 Hall 503</i>
15.30-16.00	Coffee break	
16.00-17.30	FOUNDATION “DYNASTY” SHORT COURSE The spectroscopy, surface modification and bio/medical applications of nanodiamond Chia-Liang Cheng, National Dong Hwa University, Taiwan	<i>Building 10 Hall 503</i>

September 23, Tuesday

9.00-14.00	Registration	<i>Building 3, Foyer</i>
9.30-11.00	OSA SHORT COURSE Towards Deep Tissue Luminescence Imaging Using Upconverting Nanoparticles Stefan Andersson-Engels, Lund University, Sweden	<i>Building 10, Hall 503</i>
11.00-11.30	Coffee break	
11.30-13.00	OSA SHORT COURSE Towards Deep Tissue Luminescence Imaging Using Upconverting Nanoparticles Stefan Andersson-Engels, Lund University, Sweden	<i>Building 10, Hall 503</i>
13.00-14.00	Lunch	
14.00-14.10	Opening of International Symposium “Optics and Biophotonics-II” Valery V. Tuchin, Chair, Saratov State University, Russia	<i>Building 10 Main Conference Hall</i>
14.10-15.30	PLENARY SESSION I Chair: Valery V. Tuchin, Saratov State University, Russia Recent Developments on Nanodiamond for Bio/Medical Applications, Chia-Liang Cheng , National Dong Hwa University, Taiwan Polymer multilayered films: structural analysis, design and drug delivery by light irradiation, Dmitry Volodkin , Fraunhofer Institute for Cell Therapy and Immunology	<i>Building 10 Main Conference Hall</i>
15.30-16.00	Coffee break	
16.00-18.00	PLENARY SESSION II Chair: Chia-Liang Cheng, National Dong Hwa University, Taiwan Structural and Functional Imaging with a Microscope-in-a-Needle for Medicine and Biology, David D. Sampson , University of Western Australia, Australia When Nanotechnology Meets Microbiology, Aleš Lapanje , Institute of Metagenomics and Microbial Technologies, Slovenija Optical Coherence Elastography - Methods and Applications, Kirill V. Larin , University of Houston, USA	<i>Building 10 Main Conference Hall</i>
18.00-18.05	SPECIAL EVENT: Presentation of Journal of Biomedical Photonics & Engineering, Valery P. Zakharov , Samara State Aerospace University, Russia	
18.30-21.00	Welcome Party	<i>University campus</i>

September 24, Wednesday

September 24, Wednesday								
9.00-10.20	PLENARY SESSION III Chair: Igor V. Meglinski , University of Otago, Dunedin, New Zealand Prospective Studies to Determine the Carotenoid Status in Human Skin , Jürgen M. Lademann, Charite - Universitaetsmedizin Berlin, Germany Slow light nanophotonics at the surface of an optical fiber , Mikhail Sumetsky, Aston University, UK							<i>Building 10 Main Conference Hall</i>
10.20-10.50	Coffee break							
10.50-12.10	PLENARY SESSION IV Chair: Jürgen M. Lademann , Charite - Universitaetsmedizin Berlin, Germany Deep Tissue Imaging Using Nd-Codoped Upconverting Nanoparticles and Pulsed Excitation , Stefan Andersson-Engels, Lund University, Sweden Polarized Light Propagation in Turbid Media , Igor V. Meglinski, University of Otago, Dunedin, New Zealand							<i>Building 10 Main Conference Hall</i>
12.10-13.00	INVITED/ORAL SESSION BIOPHYSICS I Chair: Kirill V. Larin , University of Houston, USA	<i>Building 10 Main Conference Hall</i>	ORAL SESSION LOW-DIMENSIONAL STRUCTURES Chair: Olga Glukhova , Saratov State University, Russia	<i>Building 10, Hall 503</i>	INVITED/ORAL SESSION BIOMEDICAL SPECTROSCOPY Chair: Vyacheslav I. Kochubey and Alexander B. Pravdin , Saratov State University, Russia	<i>Building 3, Room 34</i>	ORAL SESSION NONLINEAR DYNAMICS Chair: Vadim S. Anishchenko , Saratov State University, Russia	<i>Building 3, Room 38</i>
13.00-14.00	Lunch							
15.00-17.00	Social program (Volga boat trip)							

September 25, Thursday

9.30-11.00	SPIE SHORT COURSE Skin Spectra and Colour Calculator: On-Line Object Oriented GPU Accelerated Monte Carlo Tool Igor V. Meglinski , University of Otago, Dunedin, New Zealand		<i>Building 10, Hall 503</i>	LECTURE/ORAL SESSION EDUCATION I Co-chairs: Boris A. Medvedev and Vladimir P. Ryabukho , Saratov State University, Russia		<i>Scientific Library Conference Hall</i>		
11.00-11.30	Coffee break							
11.30-13.00	SPIE SHORT COURSE Skin Spectra and Colour Calculator: On-Line Object Oriented GPU Accelerated Monte Carlo Tool Igor V. Meglinski , University of Otago, Dunedin, New Zealand		<i>Building 10, Hall 503</i>	LECTURE/ORAL SESSION EDUCATION II Co-chairs: Boris A. Medvedev and Vladimir P. Ryabukho , Saratov State University, Russia		<i>Scientific Library Conference Hall</i>		
13.00-14.00	Lunch							
14.00-16.00	INVITED/ORAL SESSION BIOPHYSICS II Chair: Alexander V. Priezzhev , Moscow State University, Russia	<i>Building 10 Main Conference Hall</i>	ORAL SESSION NANOBIO-PHOTONICS I Chair: Nikolai G. Khlebtsov , IBPPM RAS, Saratov State University, Russia	<i>Building 9 Small Conference Hall</i>	LECTURE SESSION MODERN OPTICS Chair: Vladimir P. Ryabukho , Saratov State University, Russia	<i>Building 3, Big Physical Hall</i>	ROUND-TABLE DISCUSSION EDUCATION Co-chairs: Boris A. Medvedev and Vladimir P. Ryabukho , Saratov State University, Russia	<i>Scientific Library Conference Hall</i>
	ORAL SESSION PHOTONICS I Chair: Vladimir L. Derbov , Saratov State University, Russia	<i>Building 10, Hall 503</i>			ORAL SESSION SPECTROSCOPY Co-chairs: Valentin I. Berezin , and Lev M. Babkov , Saratov State University, Russia	<i>Building 3, Room 34</i>		
16.00-16.30	Coffee break							
16.30-17.30	PLENARY SESSION INTERNET BIOPHOTONICS Chair: Valery V. Tuchin , Saratov State University, Russia Chromophore based analyses of steady-state diffuse reflectance spectroscopy: current status and perspectives for clinical adoption , Henricus J. C. M. Sterenborg , Department of Biomedical Engineering and Physics, Academic Medical Center – Amsterdam, The Netherlands Multiphoton tomography of human skin , Karsten König , JenLab GmbH, Jena, Department of Biophotonics and Laser Technology, Saarland University, Saarbrücken, Germany					<i>Building 3, Big Physical Hall</i>		
17.30-19.30	JOINT POSTER/INTERNET SESSION AND INTERNET DISCUSSION Moderators: Dmitry Agafonov , Ivan V. Fedosov , Saratov State University, Russia					<i>Building 3, 3^d floor Hall</i>		

September 26, Friday

9.30-11.00	ORAL SESSION BIOPHYSICS III Chair: Ivan V. Fedosov , Saratov State University, Russia	<i>Building 10 Main Conference Hall</i>	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 Saratov State University and Julia S. Skibina , Saratov State University, SPE "Nanostructured Glass Technology" Ltd., Russia	<i>Building 10, Hall 503</i>	ORAL SESSION POLARIZATION Co-chairs: Dmitry A. Zimnyakov , Saratov State University, Russia, Igor V. Meglinski , University of Otago, Dunedin, New Zealand	<i>Building 3, Room 34</i>	ORAL SESSION ENGLISH I Co-chairs: Alexander B. Pravdin , Svetlana V. Eremina , Saratov State University, Russia	<i>Scientific Library Conference Hall</i>
	ORAL SESSION NANOBIO-PHOTONICS II Chair: Nikolai G. Khlebtsov , IBPPM RAS, Saratov State University, Russia	<i>Building 9 Small Conference Hall</i>						
11.00-11.30	Coffee break							
11.30-13.00	ORAL SESSION PHOTONICS II Chair: Vladimir L. Derbov , Saratov State University, Russia	<i>Building 10 Main Conference Hall</i>	ORAL SESSION MICROSCOPY AND LOW-COHERENCE METHODS Chair: Kirill V. Larin , University of Houston, USA	<i>Building 10, Hall 503</i>	ORAL SESSION BIOCOMPUTING Chair: Dmitry E. Postnov , Saratov		<i>Scientific Library Conference Hall</i>	
	ORAL SESSION NANOBIO-PHOTONICS III Chair: Nikolai G. Khlebtsov , IBPPM RAS, Saratov State University, Russia	<i>Building 9 Small Conference Hall</i>			ORAL SESSION TELEMEDICINE Co-chairs: Elena V. Karchenova , ISfTeH and Saratov Alfa-Health-centre, and Valery V. Bakutkin , Saratov Research Institute of Hygiene, Russia		<i>Dr. Paramonov's Clinics</i>	
14.00-17.00	Round-table discussions and closing of the School and The Symposium							