



Dedicated to the 300th Anniversary of the Russian Academy of Sciences

Saratov Fall Meeting SFM'22

**10th International Symposium “Optics and
Biophotonics”**

**26th International School for Junior Scientists and
Students on Optics, Laser Physics & Biophotonics**

**Chinese-Russian Workshop on Biophotonics and
Biomedical Optics-2022**

Schedule of SFM-22/CRW-22

September 26, Monday

Saratov time UTC+4		
9.20-9.30	Welcome to the CRW-BBO-22 participants Valery V. Tuchin , Saratov State Univ., Russia; Dan Zhu , Huazhong Univ. of Science and Technology, China https://osachapter.zoom.us/j/97105128804	Zoom
9.30-13.00	ON-LINE CHINESE-RUSSIAN INVITED LECTURE SESSION I Chairs: Valery V. Tuchin , Saratov State Univ., Russia; Dan Zhu , Huazhong Univ. of Science and Technology, China	Building 3, Room 8 Zoom

Coffee and tea will be available during the session

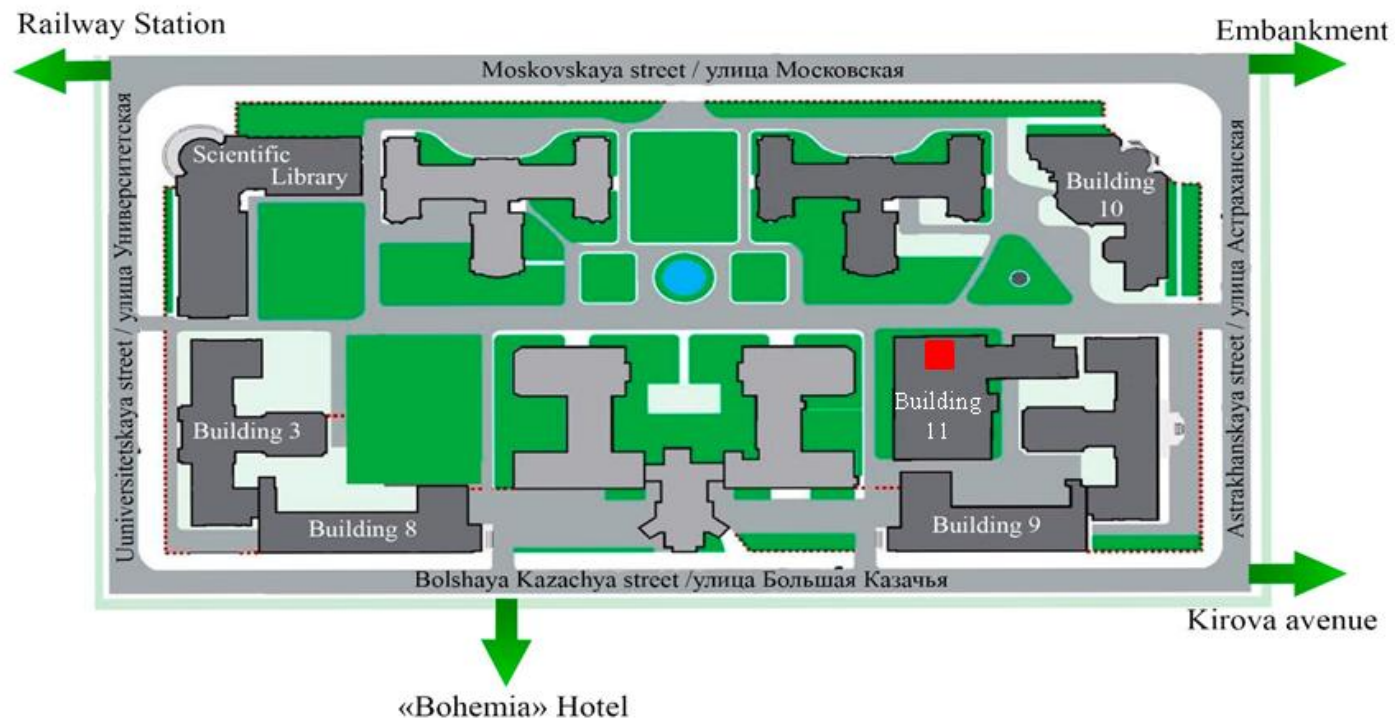
September 27, Tuesday

9.00-13.00	REGISTRATION OF PARTICIPANTS		Building 3, 1 st floor
9.30-12.40	ON-LINE CHINESE-RUSSIAN INVITED LECTURE SESSION II Chairs: Valery V. Tuchin , Saratov State Univ., Russia; Dan Zhu , Huazhong Univ. of Science and Technology, China		Building 3, Room 8 Zoom
13.20-13.30 13.30-17.20	WELCOME TO THE SFM-22 PARTICIPANTS/SFM PLENARY SESSION I Chairs: Valery V. Tuchin , Saratov State Univ.; Alexander V. Priezzhev , Lomonosov Moscow State Univ., Russia https://osachapter.zoom.us/j/97105128804		Building 8, Conf. Hall 420 Zoom
13.30-14.10	Tissue optical clearing imaging: from <i>in vitro</i> to <i>in vivo</i> Dan Zhu , Huazhong Univ. of Science and Technology, Wuhan, China	Chinese time 17.30-18.10	
14.10-14.50	Breaking the laws of diffraction to obtain super resolved biomedical imaging Zeev Zalevsky , Faculty of Engineering, Bar-Ilan Univ., Israel	Israeli time 13.10-13.50	
14.50-15.30	Interstitial and intraluminal photodynamic therapy Ronald Sroka , LIFE-Center at Department of Urology at Hospital of Univ. of Munich, Munich, Germany	Munich time 12.50-13.30	
15.30-16.00	Coffee break		
16.00-16.40	Transparent conducting films based on carbon nanotubes: rational design towards the theoretical limit Albert G. Nasibulin , Skolkovo Inst. of Science and Technology, Moscow, Russia, Aalto Univ., Espoo, Finland	Moscow time 15.00-15.40	
16.40-17.20	Photodynamic inactivation and the possibility to control resistant infections Vanderlei S. Bagnato , Univ. of São Paulo, IFSC, Brazil	Brazil time 9.40-10.20	

17.20-18.00	OPTICA Short Course Polarization Optical Imaging for biomedical applications, Anna N. Yaroslavsky , Univ. of Massachusetts, Lowell, USA https://osachapter.zoom.us/j/97105128804			USA time 8.20-9.00 Zoom	<i>Building 8, Conf. Hall 420 Zoom</i>
18.00-18-40	SPONSORS SESSION https://osachapter.zoom.us/j/97105128804				
18.00-18-20	Multispectral and multiwavelength methods in biomedical diagnostics with innovative fiber probes Viacheslav Artyushenko , art photonics GmbH, Berlin, Germany			Germany time 16.00-16.20 Zoom	
18.20-18.30	Introduction of "VISQUE™ InVivo" optical systems Hyunwoo Kim, Huisu Kim , Vieworks Co. Ltd, Korea, Chalov Sergey , In Vivo Tech, Russia			Moscow time 17.20-17.30	
19.00-22.00	Welcome Party				<i>Building 11</i>
September 28, Wednesday					
10.00-14.00	INVITED LECTURE/ ORAL SESSION BIOPHYSICS I / MICROSCOPY AND LOW-COHERENCE METHODS I Chair: Yury Kistenev , Tomsk State Univ., Russia https://osachapter.zoom.us/j/97105128804				<i>Building 8, Hall 420 Zoom</i>
	ON-LINE / ORAL SESSION LOW-DIMENSIONAL STRUCTURES Chair: Olga Glukhova , Saratov State Univ., Russia https://meet.google.com/gww-tbbm-two	<i>Building 8, Room 318</i>	ORAL SESSION BIOCOMPUTING I Chairs: Dmitry E. Postnov , Saratov State Univ., Russia		<i>Building 3, Hall 64</i>
	INVITED LECTURE/ORAL SESSION NANOBIOPHOTONICS I Chair: Nikolai G. Khlebtsov , IBPPM RAS, Saratov State Univ., Russia https://us06web.zoom.us/j/82452500876				<i>Building 9, Conf. Hall Zoom</i>
14.00-14.30	Coffee break				<i>Building 8, 4th floor</i>
14.30-18.30	LECTURE/ORAL SESSION EDUCATION I Chairs: Boris A. Medvedev , Saratov State Univ., Russia	<i>Scientific Library Conf. Hall</i>	ORAL SESSION LASER PHYSICS&PHOTONICS Chair: Vladimir L. Derbov , Saratov State Univ., Russia		<i>Building 10. Hall 503</i>
	ON-LINE INVITED LECTURE / ON-LINE SESSIONS BIOPHYSICS II/ INTERNET BIOPHOTONICS II/ BIOMEDICAL SPECTROSCOPY I Chairs: Mikhail Kirillin , Institute of Applied Physics RAS, Vladimir Y. Zaitsev , Inst. of Applied Physics of the RAS, Nizhny Novgorod, Russia https://osachapter.zoom.us/j/97105128804				<i>Building 8, Conf. Hall 420 Zoom</i>
16.00-16.30	Coffee break				<i>Building 8, 4th floor</i>
14.30-18.00	ORAL SESSION NONLINEAR DYNAMICS Chairs: Galina I. Strelkova, Andrei V. Slepnev , Saratov State Univ., Russia	<i>Building 3, Room 38</i>	ORAL SESSION BIOCOMPUTING I Chairs: Dmitry E. Postnov , Saratov State Univ., Russia		<i>Building 3, Room 64</i>

	ON-LINE INVITED LECTURE/ORAL SESSION MACHINE LEARNING I Chair: Yury Kistenev , Tomsk State Univ., Russia	Microsoft Teams	ON-LINE INVITED LECTURE/ORAL SESSION NANOBIPHOTONICS II Chair: Nikolai G. Khlebtsov , IBPPM RAS, Saratov State Univ., Russia https://us06web.zoom.us/j/82452500876	Building 9, Conf. Hall Zoom
13.00-19.00	ON-LINE INVITED LECTURE/ORAL SESSION ENDOGENOUS BIOPHOTONICS Chair: Ilya V. Volodyaev , Moscow State Univ., European Medical Center, Elena V. Naumova , Rzhanov Institute of Semiconductor Physics, Siberian Branch of Russian Academy of Sciences, Russia https://us06web.zoom.us/j/9869890181			Zoom
15.30-18.00	ON-LINE INVITED LECTURE /ORAL SESSION SPECTROSCOPY AND MOLECULAR MODELING I Chair: Lev M. Babkov , Saratov State Univ., Russia https://us02web.zoom.us/j/9297707272			Building 3, Room 34
19.30-22.00	Evening boat trip - the lights of Saratov			
September 29, Thursday				
10.00-13.00	ORAL SESSION NONLINEAR DYNAMICS Chairs: Galina I. Strelkova , Andrei V. Slepnev , Saratov State Univ., Russia	Building 3, Room 38	INVITED LECTURE/ORAL SESSION TERAHERTZ OPTICS & BIOPHOTONICS Chair: Kirill I. Zaytsev , Prokhorov General Physics Institute of RAS, Bauman Moscow State Technical Univ., Russia https://telemost.yandex.ru/j/02219871422545	Telemost yandex
			ORAL SESSION QUANTUM SCIENCE I Chair: Aleksey Fedorov , Russian Quantum Center, Russia	Skolkovo Institute of Science and Technology
	JOINT INVITED LECTURE/ORAL SESSION MACHINE LEARNING II Chair: Yury Kistenev , Tomsk State Univ., Russia	Building 9, Conf. Hall Microsoft Teams	ROUND TABLE DICUSSION ENGLISH Chair: Svetlana V. Eremina , Alexander B. Pravdin , Saratov State Univ., Russia	Building 18
	INVITED LECTURE/ ORAL SESSION BIOPHYSICS III Chair: Vladimir Y. Zaitsev , Inst. of Applied Physics of the RAS, Andrei Lugovtsov , Faculty of Physics, Lomonosov Moscow State University, Moscow, Russia https://osachapter.zoom.us/j/97105128804			Building 8, Conf. Hall 420 Zoom
11.00-12.00	ORAL SESSION ELECTROMAGNETICS Chair: Michael V. Davidovich , Saratov State University, Russia https://meet.google.com/hzz-vm dy-hwy			Building 8, Room 318
12.00-14.30	ON-LINE / ORAL SESSION LOW-DIMENSIONAL STRUCTURES Chair: Olga Glukhova , Saratov State Univ., Russia https://meet.google.com/qww-tbbm-two			Building 8, Room 318

14.00-14.45	PUBLIC LECTURE SESSION MODERN OPTICS Chairs: Georgy V. Simonenko , Saratov State Univ., Anton Dyachenko , Saratov State Univ., Boarding school 64 Modern devices for medical research on Earth and in Space Andrey Dunaev , Leading Researcher of Research & Development Center of Biomedical Photonics, Orel State Univ., Orel, Russia			<i>Building 3, Big Physical Hall</i>
14.30-18.00	ON-LINE INVITED LECTURE /ORAL SESSION SPECTROSCOPY AND MOLECULAR MODELING II Chair: Lev M. Babkov , Saratov State Univ., Russia https://us02web.zoom.us/j/9297707272			<i>Building 3, Room 34</i>
15.00-15.40	INTERNET PLENARY SESSION Chair: Valery V. Tuchin , Saratov State Univ., Russia MECHANISMS OF RECOVERY FUNCTIONS OF SLEEP Thomas Penzel , Interdisciplinary Sleep Medicine Center, Charite Univ. Hospital, Berlin, Germany https://osachapter.zoom.us/j/97105128804			<i>Building 8, Conf. Hall 420 Zoom</i>
15.40-18.30	ON-LINE INVITED LECTURE/ ON-LINE SESSIONS BIOPHYSICS IV/ INTERNET BIOPHOTONICS II Chair: Alexander Priezzhev , Lomonosov Moscow State University, Moscow, Russia https://osachapter.zoom.us/j/97105128804			<i>Building 8, Conf. Hall 420 Zoom</i>
15.00-18.00	ORAL SESSION BIOMEDICAL SPECTROSCOPY II Chairs: Vyacheslav I. Kochubey , Alexander B. Pravdin , Saratov State Univ., Russia	<i>Building 3, Room 8,</i>	INVITED LECTURE/ORAL SESSION ADVANCED MATERIALS Chair: Vladimir N. Kurlov , ISSP RAS, Russia https://telemost.yandex.ru/j/04623800098707	<i>Telemost yandex</i>
16.30-16.50	Coffee break			<i>Building 8, 4th floor</i>
15.00-18.00	ORAL SESSION QUANTUM SCIENCE II Chair: Aleksey Fedorov , Russian Quantum Center, Russia	<i>Campus of the Skolkovo Institute of Science and Technology</i>	ROUND-TABLE DISCUSSION EDUCATION Moderator: Boris A. Medvedev , Saratov State Univ., Russia	<i>Scientific Library Conf. Hall</i>
18.00-20.00	JOINT POSTER/INTERNET SESSION Chairs: Ivan V. Fedosov , Oleg Grishin , Saratov State Univ., Russia Moderators: Ivan V. Fedosov , Michael M. Slepchenkov , Vasily B. Ageev , Alexander I. Dubrovsky , Saratov State Univ., Russia			<i>Building 3</i>
September 30, Friday				
10.00-13.00	ON-LINE ORAL SESSION POLARIZATION Chair: Dmitry A. Zimnyakov , Yuri Gagarin Saratov State Technical Univ., Russia https://osachapter.zoom.us/j/97105128804			<i>Zoom</i>
14.00-18.00	Round-table discussions and closing of SFM-22			<i>Open Air Meeting</i>



■ Welcome Party Place