

## Summer School on Optics & Photonics

# Posters

1	<b>Anton Sdobnov</b>	<i>Laser Speckle Contrast Imaging of a transition from non-ergodic to ergodic light scattering</i>	University of Oulu
2	<b>Tatiana Avsievich</b>	<i>Optical tweezers: probing effect of nanoparticles on red blood cells aggregation</i>	University of Oulu
3	<b>Motahareh Peyvasteh</b>	<i>Meat freshness inspection by visible and near-infrared spectroscopy</i>	University of Oulu
4	<b>Prateek Singh</b>	<i>Raman spectroscopy of human sweat components</i>	University of Oulu
5	<b>Yunyun Dai</b>	<i>Dynamic tuning of graphene plasmonic resonances by ultraviolet light</i>	Aalto University
6	<b>Yadong Wang</b>	<i>Graphene enabled Active Optical Fiber Devices</i>	Aalto University
7	<b>Michał Ziemczonok, Maria Baczewska</b>	<i>Tomographic phase microscope for study of mouse fibroblast</i>	Warsaw University of Technology
8	<b>Alexandr Grebenchukov</b>	<i>Narrowband optically tunable terahertz filter based on graphene for biomedical applications</i>	ITMO University
9	<b>Cherniadev Aleksandr</b>	<i>Terahertz dielectric lens for super-resolution images</i>	ITMO University
10	<b>Maxim Masyukov</b>	<i>Polarizing properties of metasurface based on chiral unit cell in THz frequency range</i>	ITMO University
11	<b>Egor Litvinov</b>	<i>Epsilon-near-zero copper-dielectric composite for terahertz frequency range</i>	ITMO University
12	<b>Petr Demchenko</b>	<i>Control the optical properties of phosphate glass with CdSe quantum dots in terahertz frequency range</i>	ITMO University
13	<b>Anna Tyumchenkova</b>	<i>Research studies of aging changes of hyaline cartilage surface by using Raman-scattering spectroscopy</i>	Samara National Research University
14	<b>Oleg Frolov</b>	<i>Optical surface evaluation of bone implants during its processing</i>	Samara National Research University
15	<b>Polina Shalkovskaya</b>	<i>Using of Raman spectroscopy method in comparative spectral analysis of the surface of aortal valves of the hert of baranes before and in process of their decellularization</i>	Samara National Research University

16	<b>Lyudmila Shamina</b>	<i>Lab-on-a-chip system for the analysis of biofluids</i>	Samara National Research University
17	<b>Anastasia Lykina</b>	<i>Projection on latent structures method for analysis of blood plasma Raman spectra</i>	Samara National Research University
18	<b>Igor Kozlov</b>	<i>Possibilities of Doppler spectrum analysis of laser radiation received from hand skin during functional tests</i>	Orel State University named after I.S. Turgenev
19	<b>Evgeniya Seryogina</b>	<i>Fluorescence spectroscopy usage possibilities for the laboratory rats metabolism evaluation</i>	Orel State University named after I.S. Turgenev
20	<b>Viktor Dremin</b>	<i>Analytical model to describe fluorescence spectra of human skin</i>	Orel State University named after I.S. Turgenev
21	<b>Irina Makovik</b>	<i>Laser diagnostics method for evaluation of properties of blood flow oscillations in rheumatologic patients</i>	Orel State University named after I.S. Turgenev
22	<b>Ksenia Kandurova</b>	<i>Possibilities of application of fluorescence spectroscopy in minimally invasive surgery for analysis of abdominal cavity organs pathological processes</i>	Orel State University named after I.S. Turgenev
23	<b>Elena Zharkikh</b>	<i>Application of adaptive wavelet-analysis for the study of cutaneous blood flow oscillations in patients with diabetes mellitus</i>	Orel State University named after I.S. Turgenev
24	<b>Olga Stelmashchuk</b>	<i>Imaging of rhodamine-loaded capsules distribution in vivo by fluorescence spectroscopy'</i>	Orel State University named after I.S. Turgenev
25	<b>Anna Babashkina</b>	<i>Determination of Doppler angle based on the carrier spectrum broadening</i>	Tambov State Technical University
26	<b>Oleksandr Olar</b>	<i>Stokes correlometry of polarization inhomogeneous object fields</i>	Yuriy Fedkovych Chernivtsi National University
27	<b>Vitali Ghoghoberidze</b>	<i>Density Of quantum States In periodical Structures</i>	Tbilisi State University

28	<b>Emily Plorina</b>	<i>Non-invasive evaluation of skin pathologies by RGB autofluorescence imaging</i>	University of Latvia
29	<b>Nina Verdel</b>	<i>Quantitative assessment of skin composition and scattering properties in human volunteers using photothermal radiometry and diffuse reflectance spectroscopy in vivo</i>	Jožef Stefan Institute