



ITMO UNIVERSITY

**Saint Petersburg National Research University of Information
Technologies, Mechanics and Optics**
The Ministry of Education and Science of the Russian Federation
Federal state autonomous educational institution of higher professional education

<p>“International Institute of Photonics and Optical Information Technologies” “Introduction to the femtosecond optics”</p> <p>presentation “Introduction to the terahertz optics” “Introduction in the field of quantum information and quantum calculation”</p>	Day 1 (Monday)
<p>“Quantum communications” “Application of femtosecond lasers in medicine and biology”</p> <p>“Introduction to Digital holographic microscopy”</p>	Day 2
<p>“Optical nonlinearities and ultrafast dynamics in semiconductors: experimental techniques. Pump-probe spectroscopy” “Application of terahertz optics for biomedical use, food and art-works testing and bio-like materials”</p> <p>“Security of QKD systems”.</p>	Day 3
<p>“Single photon sources and detectors”. “THz imaging and its applications”</p> <p>“Introduction to optical information technologies”</p>	Day 4
Research	Day 5
Research Or free time	Day 6 (Saturday)
Cultural program	(Sunday)
Research	Day 7 (Monday)
workshop “Wavefront propagation” Research	Day 8
Research	Day 9
Research + Reports preparation	Day 10
Research (closing part) + Reports finalization Students present their reports Official part (certificates, etc.)	Day 11