

T I M E T A B L E

The Photonic Nanomaterials School (PN 2022) is organized as a part of 20th International Conference “Laser Optics” (ICLO-2022) and includes the sessions R9 (21–22 June), ST1 (23 June) and ST2 (24 June) of this conference

Tuesday, June 21

Session R9

Session R9-1

- 15:00–15:30 **Ana Luisa Simões Gamboa** (ITMO University, Russia) Functions for describing non-exponential photoluminescence decay kinetics in semiconductor nanocrystals, *Invited*
- 15:30–15:45 **Alexander Uskov** (Lebedev Physical Inst. RAS, Russia) Plasmon resonance broadening in hybrid structures, *Oral*
- 15:45–16:00 **Olga Borovkova** (Russian Quantum Center, Russia) Transverse magnetophotonic intensity effect in plasmonic nanostructures with broken spatial symmetry, *Oral*
- 16:00–16:15 **Akihiro Tomioka** (Osaka Electro-Communication University, Japan) Capillary-guided in-line fabrication of luminescent organic nanoparticles by visible laser processing of dye solution microdroplets, *Oral*
- 16:15–16:30 **Muhammad Bkkr** (ITMO University, Russia) Perovskite-polymer nanocomposites based on nanofibers for flexible solar cells, *Oral*
- 16:30–16:45 **Alexey Povolotskiy** (St Petersburg State University, Russia) Functional hybrid structures based on porphyrins and gold nanoparticles for optical sensors, *Oral*
- 16:45–17:00 **Vlad Samyshkin** (Vladimir State University, Russia) The formation of one-dimensional LCC quasi-crystals deposited on a substrate, *Oral*

Wednesday, June 22

Session R9

09:00–13:30 POSTER SESSION

Thursday, June 23

Session ST1

Session ST1-1

- 09:00–10:00 **Vladimir G. Dubrovskii** (St Petersburg State University, Russia) Growth modeling of III–V nanowires, *Invited*
- 10:00–11:00 **George E. Cirlin** (Alferov University, Russia) Molecular beam epitaxy of semiconductor nanostructures
- 11:00–11:30 **Coffee break**

Session ST1-2

- 11:30–12:30 **Ivan S. Mukhin** (Alferov University, Russia) Flexible light-emitting devices based on III–V and III–N nanowires encapsulated into polymer matrix
- 12:30–13:30 **Rodion R. Reznik** (St Petersburg State University, Russia) III–V hybrid nanostructures on silicon: MBE growth and properties
- 13:30–15:00 **Break**

Session ST1-3

- 15:00–15:20 **Rodion R. Reznik** (St Petersburg State University, Russia) MBE growth and properties of AlGaAs nanowires with InGaAs quantum dots on silicon, *Oral*
- 15:20–15:40 **Nickolay G. Sibirev** (St Petersburg State University, Russia) Droplet contact angle controlling the morphology and crystal phase of GaAs and GaP nanowires
- 15:40–16:00 **Liliia Dvoretckaia** (Alferov University, Russia) Microspherical lithography for selective epitaxy, *Oral*
- 16:00–16:20 **Vladimir G. Dubrovskii** (St Petersburg State University, Russia) Growth of III–V nanowires by molecular beam epitaxy: the role of material exchange with the substrate, *Oral*
- 16:20–16:40 **Vladislav Gridchin** (Alferov University, Russia) Core-shell InGaN Nanowires: MBE growth and properties, *Oral*
- 16:40–17:00 **Klochkov Ivan** (ITMO University, Russia) Investigation of the polymeric thin films deposited on the surfaces of optical elements using the laser multiparametric method, *Oral*