

SCHOOL ON ADVANCED LIGHT-EMITTING
AND OPTICAL MATERIALS

SLALOM 2019

12-13 December 2019
St. Petersburg,
9 Lomonosova str., 1216 (Main Hall)

POSTER SESSION

POSTER SESSION I – Friday from 11.00 to 11.20

1	ARTEM LARIN Investigation of the nonlinear optical response from hybrid nanosponge structure
2	YALI SUN Far-field and near field tuning of hybrid nanostructures by fs-laser modification
3	MIKHAIL MASHARIN Improving the performance of perovskite solar cells with the inserting of polymer into perovskites with mixed anion
4	EKATERINA TIGUNTSEVA Resonant perovskite nanostructures
5	ARTEM POLUSHKIN Single-step perovskite lasers fabrication methods
6	PAVEL TONKAEV Photoluminescence quantum yield enhancement by Purcell effect in halide perovskite resonant nanoparticles
7	ALEKSANDRA FURASOVA Resonant silicon nanoparticles for light and carrier management of perovskite solar cells
8	GRIGORII VERKHOGLIADOV Mix-halide perovskite-based light emitting solar cell
9	DARIA KHMELEVSKAIA Sensing of Protein Corona of Single Si Nanoparticle
10	SEMYON BACHININ Plasmon induced enhanced of SHG of halloysite nanotubes
11	LILIIA DVORETCKAIA Patterned mask for controllable growth of low-dimensional semiconductor nanostructures

POSTER SESSION II – Friday from 15.20 to 16.00

1	ANNA SAMSONOVA Free and self-trapped excitons in PyPbI ₃
2	ALEKSANDRA VIDYAKINA Up-conversion enhancement and size changes of β -NaYGdF ₄ :Yb,Er,Tm nanoparticle by variation of synthesis parameters
3	ALEKSANDRA PADERINA Six heteroleptic copper(I) complexes demonstrating thermally activated delayed fluorescence
4	SUZANNA PARFENOVA Synthesis, structure and photophysical properties of cyclometalated complexes of iridium(III) with cyanamide and isonitrile ligands
5	EVGENIIA STEPANIDENKO Influence of solvent environment on the luminescent centers within carbon dots
6	ELINA SOKOLOVA Synthesis, structure and photophysical properties of cyclometalated platinum(II) complexes with isocyanide ligands
7	EVGENIA ABRAMOVA Luminescent gold(I) complexes decorated by flexible alkynyl-terpyridine ligands
8	DARIA MARKINA Improvement of the optical properties of CsPbBr ₃ nanolasers by means of perovskite surface or substrate modification
9	TATIANA LIASHENKO Suppressed field- and light-induced phase instability in blue perovskite light-emission diodes
10	IRINA KORYAKINA Synthesis of perovskite nanowires in microfluidic chips
11	PAVEL TROFIMOV CsPbX ₃ - GaP integrated light source for reconfigurable visible-light nanophotonics

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with physics

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