International School on Hybrid, Organic and Perovskite Photovoltaics

Additional on-site session at the Institute for Problems of Chemical Physics of RAS

6 November 2020

Prof. Sergey Aldoshin (IPCP RAS, Russia)
Current status of the RSF project «Development of a manufacturing technology for highly efficient and stable perovskite solar cells on steel substrates» at IPCP RAS

Dr. Alexander Akkuratov (IPCP RAS, Russia)
Organic solar cells based on new conjugated polymers for indoor applications

Dr. Alexandra Boldyrev (Skoltech, Russia)
Exploring the radition stability of perovskite solar cells

Dr. Lyubov Frolova (Skoltech and IPCP RAS, Russia)
Design of efficient and stable perovskite solar cells based on all-inorganic complex lead halides

Dr. Lavrentiy Gutsev (IPCP RAS, Russia)
Theoretical studies of gamma-Induced self-healing of MAPbI₃: breaking the records

Dr. Sergey Luchkin (Skoltech, Russia)
Nanoscale imaging of functional properties of perovskite solar cell using atomic force microscopy

Dr. Yuri Luponosov (ISP M RAS, Russia)
Development of donor-acceptor small molecules for organic solar cells

Prof. Gennady Novikov (IPCP RAS, Russia)
Inorganic solar cells based on quaternary copper compounds of Cu₂₋₅₃SnS₄₋₃Se₄ (A = Zn, Fe, Ni, Mg, Sr, Ba, Mn, Cr, etc.): the achievements and prospects

Prof. Dmitry Parashchuk (MSU, Russia)
Junction-free organic solar cells

Dr. Danila Saranin (MiSIS, Russia)
The use of Mxenes for improved charge collection in perovskite solar cells

Prof. Pavel Troshin (Skoltech and IPCP RAS, Russia)
Unravelling major degradation pathways in lead halide perovskite solar cells

Dr. Sergey Tsarev (Skoltech, Russia)
Stabilization of perovskite solar cells with ZnO electron transport layer