

International workshop		
Photon - graphene interactions: phenomena and applications		
Conference hall of Institute of Physics		
Thursday, 13 February, 2020		
8:30-9:00	Registration	
Chairman - Leonid Yatsenko		
9:00-9:10	Opening the workshop	
9:10-9:40	Wieslaw Stręk	Laser induced emission spectra of graphene
9:40-10:10	Vyacheslav Kochelap	Transverse electric effects in charge coupled van-der-Waals ribbons made of anisotropic 2D crystals
10:10-10:40	Anna Morozovska	Ferromagnetic dielectric - graphene - ferroelectric nanostructures for modern spintronics
10:40-11:00 Coffee break		
Chairman - Ivan Blonsky		
11:00-11:30	Maksym Strikha	Gate-voltage control of quantum yield in monolayer transition-metal dichalcogenides
11:30-12:00	Anna Łukowiak	Light-activated graphene-based composites as antibacterial agents
12:00-12:30	Łukasz Radosinski	Theoretical investigation of creation and properties of metastable sp2-sp3 carbon structures as a roadmap for DLC thin films photoinduced fabrication
12:30-13:00 Poster session		
12:30-14:00 Lunch		
Chairman - Sergei Odoulov		
14:00-14:30	Viktor Reshetnyak	Using liquid crystals to control surface plasmons in monolayer graphene and graphene ribbons.
14:30-15:00	Leonid Poperenko	Optical properties of the heterostructures including graphene layer
15:00-15:30	Adam Olejniczak	Laser-driven proliferation of sp2-sp3 changes during anti-stokes white light emission of $\mu$ -diamonds
15:30-16:00 Coffee break		
Chairmans - Leonid Yatsenko, Wieslaw Stręk, Sergey Sharapov		
15:30-16:30	Round Table	
Friday, 14 February, 2020		
Chairman - Wieslaw Stręk		
9:30-10:00	Valeriy Gusynin	Entropy Signatures of Topological Phase Transitions
10:00-10:30	Sergey Sharapov	Thermoelectric and thermomagnetic phenomena: from history to the Nernst effect in Corbino geometry
10:30-11:00	Galina Dovbeshko	Photon interaction with graphene: anti-Stokes emission and Coherent anti-Stokes Raman Scattering
Concluding remarks		