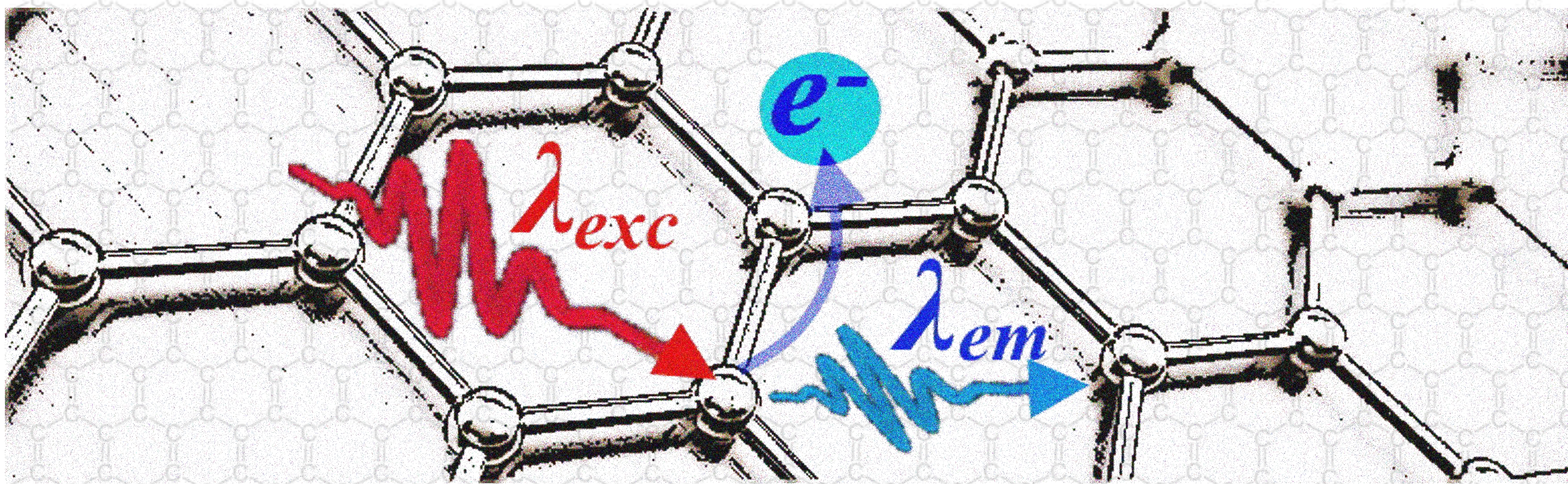


International workshop

PHOTON – GRAPHENE INTERACTIONS: PHENOMENA AND APPLICATIONS

September 9-10, 2022
(March 1-2, 2022 postponed)



Organizers:

- Institute of Physics, National Academy of Sciences of Ukraine, Kyiv, Ukraine
- Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wroclaw, Poland

PHOTON – GRAPHENE INTERACTIONS: PHENOMENA AND APPLICATIONS 2
Conference hall of Institute of Low-Temperature Physics and Structural Studies PAN,
Wroclaw, ul. Okólna 2 and Teams platform

Friday, 9 September, 2022

Chairman – Leonid Yatsenko, Andrzej Jeżowski

14.30-14.35 Opening the workshop

14.35-15.05 Wiesław Stręk

Memory effects in laser induced white emission of graphene and diamond

15.05-15.35 Valeriy Gusinin

Van Hove singularities and orbital susceptibility in Dirac materials

15.35-16.05 Sergei Sharapov

Optical and magneto-optical properties of monolayer graphene

16.05-16.35 Coffee Break

Chairman – Leonid Yatsenko, Andrzej Jeżowski

16.35-16.55 Daria Szewczyk

Heat capacity studies of carbon – carbon based low-dimensional composites

16.55-17.25 Zdenek Sofer

Chemistry of layered materials graphene and beyond

17.25-17.55 Olexander Krivchikov

About low-temperature heat capacity anomaly of strong anisotropic solids: nanostructured graphite oxide

17.55-18.15 Serhii Kukhtaruk

Collapse of plasmon-optical phonon branch in system of graphene on a polar substrate

18.15-18.35 Andrey Solovjov

Effect of electron irradiation on fluctuation conductivity and pseudogap in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ twin single crystals

18.35-18.50 Vitaliy Boiko

White-light emission from 2D MoS_2 and WS_2 powders

Saturday 10 September 2022

Chairman – Wiesław Stręk, Galyna Dovbeshko

10.40-11.00 Maxim Barabashko

Thermal stability of thermally reduced graphene oxide

11.00-11.15 Mykhailo Chaika

White-light emission generation from graphene-based microchip

11.15-11.35 Przemysław Wiewiorski

High-intensity strobe light source based on simultaneous electro-optical effects on 3D porous graphene

11.35-11.50 Vardan Apinyan

Optical property of the half-filled bilayer graphene

11.50-12.10 Włodzimierz Mista

Efficient generation of hydrogen by laser irradiation of graphene porous particles in ethanol

12.10-12.30 Galyna Dovbeshko

Coherent anti-stokes Raman scattering spectroscopy (CARS) and imaging of graphene and DNA on graphene layers

12.30-13.30 Chairmans – Leonid Yatsenko, Wiesław Stręk, Sergey Sharapov, Ivan Blonsky, Valeriy Gusynin, Andrzej Jeżowski

Round Table "Graphene for lighting"

Concluding remarks

For all questions, please, apply:

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