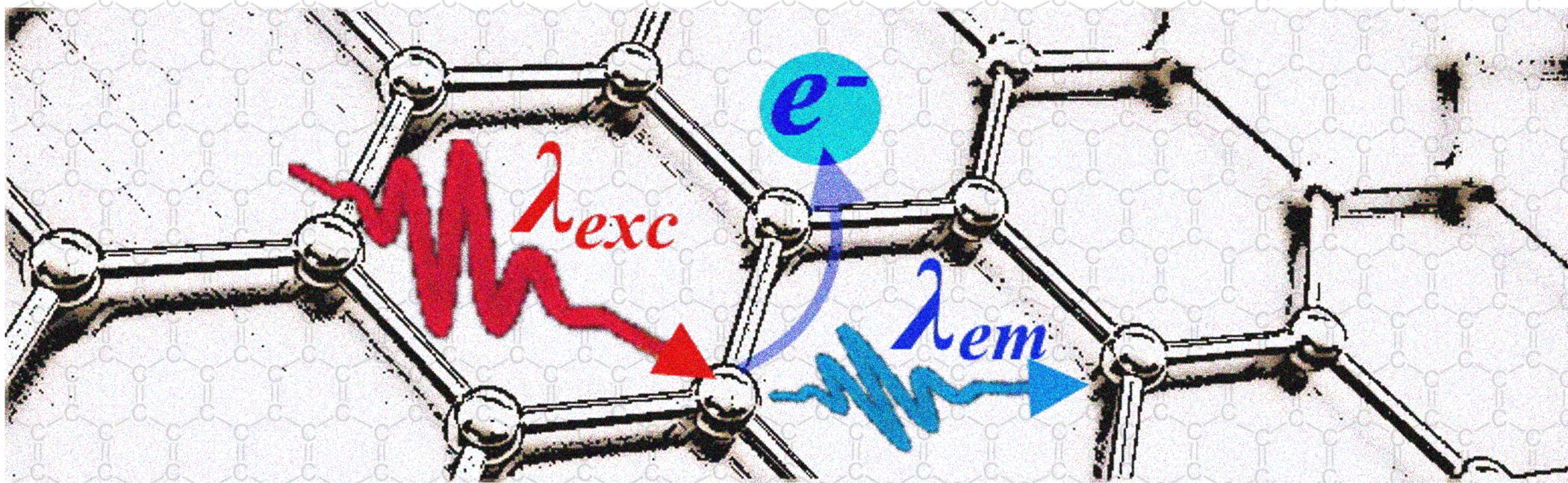


International workshop

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, il.Okolna,2 and Teams platform

Friday, 9 September, 2022

Chairman – Leonid Yatsenko, Andrzej Jeżowski

15.30-15.35 Opening the workshop

15.35-16.05 Wiesław Stręk

Memory effects in laser induced white emission of graphene and diamond

16.05-16.35 Valeriy Gusinin

Van Hove singularities and orbital susceptibility in Dirac materials

16.35-17.05 Sergei Sharapov

Optical and magneto-optical properties of monolayer graphene

16:05-16:35 Coffee Break

Chairman – Leonid Yatsenko, Andrzej Jeżowski

17.35-17.55 Daria Szewczyk

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

17.55-18.25 Zdenek Sofer

Chemistry of layered materials graphene and beyond

18.25-18.55 Olexander Krivchikov

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

18.55-19.15 Serhii Kukhtaruk

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

19.15-19.35 Andrey Solovjov

Effect of electron irradiation on fluctuation conductivity and pseudogap in $YBa_2Cu_3O_{7-\delta}$ twin single crystals

19.35-19.50 Vitaliy Boiko

White-light emission from 2D MoS_2 and WS_2 powders

Saturday 10 September 2022

Chairman – Wiesław Stręk, Galyna Dovbeshko

11:40-12:00 Maxim Barabashko

Thermal stability of thermally reduced graphene oxide

12:00-12:15 Mykhailo Chaika

White-light emission generation from graphene-based microchip

12.15-12.35 Przemysław Wiewiorski

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

12.35-12.50 Vardan Apinyan

Optical property of the half-filled bilayer graphene

12.50-13:10 Włodzimierz Mista

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

13.10-13.30 Galyna Dovbeshko

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

13.30-14.30 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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