TRAVEL ARRANGEMENT

IMNE-2023 conference will be held in the Dovholuka village, Stryi district, Lviv region, Ukraine. Organizers might organize the shuttle for groups, but the participants have to contact the organizing committee in advance.

ACCOMMODATION

Relax Complex Shepilska

All the delegates will be accommodated in Relax Complex "Shepilska," located near the Carpathians between the Morshyn and Truskavets resorts and are the best place for relaxation and scientific conferences. This hotel is located in a quiet location on Lake Shepilska, a 20-minute drive from the city of Stryi. All rooms of the "Shepilska" recreation complex are decorated in light colors, and the cottages are decorated with wood. The restaurant of the Shepilska complex serves Ukrainian and https://imne.lpnu.uaEuropean cuisine.

Website: https://shepilska.com.ua
Hotel on a map:
https://goo.gl/maps/wh1BkSziUj84mCSc7

CONFERENCE FEES

	Early bird (before October 28th), EUR	Regular, EUR
Standard fee (offline)	220	260
PhD-students	40	50

The conference fee covers all conference materials, catering, coffee breaks, conference banquet, and two-three meals a day. Additionally, it is possible to reserve accommodation (single and double rooms) before contacting the organizing committee members. Please note that the organizers have a limited number of single rooms. Thus, the first-come, the first-served.

IMPORTANT DATES

ABSTRACT DEADLINE
14 October, 2023

NOTIFICATION OF PAPER ACCEPTANCE
21 October, 2023

EARLY BIRD REGISTRATION
Before 28 October, 2023

CONFERENCE DATES
10-13 November, 2023

Publications selected by the IMNE-2023 Program Committee will be submitted free of charge to the Ukrainian Journal of Physical Optics.

CONTACTS

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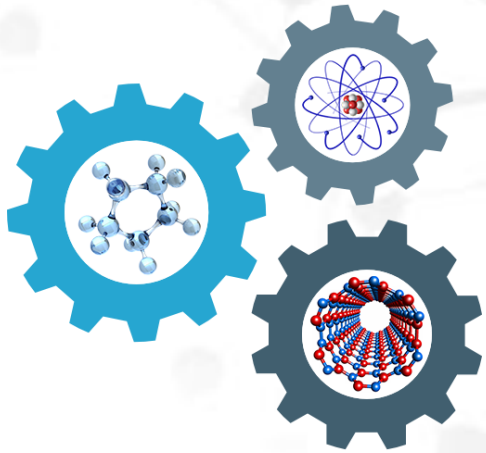
The conference is supported by the IMAGE project of the Horizon 2020 program. For more information on the project and main outcomes, please visit the project website: https://project-image.eu (or https://itne.lpnu.ua)

IMAGE

CALL FOR PAPERS



3rd International Conference on INNOVATIVE MATERIALS AND NANOENGINEERING (IMNE-2023)

Dovgoluka, Lviv region,
UKRAINE
November 10-13, 2023

This conference has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 778156.

3rd International Conference on
INNOVATIVE MATERIALS AND
NANOENGINEERING
(IMNE-2023),
10-13 November 2023

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Prof. Yashchyshyn Ye.	Warsaw University of Technology, POLAND **(Vice-chairman)**

OFFICIAL LANGUAGE

The official language of the conference is English. The abstracts, presentations, and posters must be in English to be published in the Conference Programme and Proceedings.

Organized by:

- Lviv Polytechnic National University, Ukraine
- Private Enterprise SoftPartners, Ukraine
- Private Enterprise UkrTechPro, Ukraine

ORGANIZING COMMITTEE

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ABOUT IMNE CONFERENCE

IMNE conference aims to gain and exchange knowledge on a wide range of innovative materials and nanoengineering. Accordingly, the conference is focused on advanced bulk and nanomaterials, their synthesis, and characterization by various experimental optical and quasioptical techniques. IMNE appears to be an excellent platform to discuss the basic principles involved in developing innovative materials and relevant optical and terahertz technology and present recent results. Delegates, represented by both academicians and business people, may attend the conference to get up the knowledge and excel in this field.

CONFERENCE TOPICS

1

INNOVATIVE MATERIALS

Organic and inorganic nanomaterials and thin films. MXenes materials. Semiconductor and metal nanocrystals. Mesoporous materials. Metamaterials. Ceramics. Innovative crystalline materials. Polymer-nanocrystal composites. Liquid crystal-based nanocomposites. Carbon nanomaterials. Nano-crystallites and nanocrystal composites. Disordered and ordered nanoporous thin films.

2

OPTICAL AND QUASIOPTICAL TECHNIQUES FOR MATERIALS CHARACTERIZATION

Chemical characterization. Optical polarimetry and ellipsometry. Mechanical and elastic properties. Electro-, piezo- and magneto-optical properties. Nonlinear optical properties. Spatial anisotropy of induced optical effects. Dielectric spectroscopy. SubTHz and THz spectroscopy. Optical investigations in a visible range. Raman and IR spectroscopy. SEM, TEM, EDX techniques. Structural X-ray characterization. Electron diffraction (SAED, HRTEM).

3

NANOENGINEERING TECHNOLOGIES AND PROCESSES

Synthesis of organic and inorganic nanomaterials, including MXenes. Nanoparticles synthesis. Polymer nanotechnology. Manufacturing of Al_2O_3, TiO_2, Si and SiO_2 nanoporous membranes. Crystalline nanocomposites with tailored anisotropy. Nanophysical models: micr oscopic and phenome-nological approaches. Nanostructured coatings. Different methods of new materials development: porous matrices, nanocomposites.

4

APPLICATIONS OF INNOVATIVE MATERIALS

Novel innovative materials and its applications. Practical using of MXenes. Application for spatial anisotropy of induced optical effects. Nanoconfinement effects. Micro- and Nanofluidics. Numerical simulation methods. Dynamic mechanical analysis (DMA). Nanophysics applications. Nanocomposites for UV, VIS, IR, and THz applications. Nanomaterials in medical and biophysical applications. Carbon nanostructures and devices. Innovative materials in micro and nanoelectronics.

SUBMISSION INSTRUCTIONS

The abstract should be prepared and submitted to the Organizing Committee only in electronic form. At least two referees from the International Programme Committee will review the abstracts. The abstract template with instructions on submission is available on the Conference Web Page (https://imne.lpnu.ua).