

## International Freik Conference on Physics and Technology of Thin Films and Nanosystems (ICPTTFN-XX)

<https://conference.pnu.edu.ua/icpttfn/>

**Dates: 6–10 October 2025**

**Venue:** Vasyl Stefanyk Carpathian National University (57 Shevchenko Street, Ivano-Frankivsk, Ukraine)

**Organiser:** Vasyl Stefanyk Carpathian National University, Ministry of Education and Science of Ukraine

**Co-organisers:**

- Lashkaryov Institute of Semiconductor Physics of National Academy of Sciences of Ukraine,
- G. V. Kurdyumov Institute for Metal Physics of National Academy of Sciences of Ukraine,
- Academy of Sciences of the Higher School of Ukraine,
- Ukrainian Physics Society

### Important Dates

- 10 September 2025** – Abstract submission deadline
- 1 October 2025** – Payment deadline for online participation
- 6 October 2025** – Payment deadline for in-person participation
- 6 October 2025** – Participant registration and conference opening
- 6–10 October 2025** – Conference sessions

### Conference Topics:

1. Thin films technology and research methods.
2. Theoretical investigation: thin films and nanomaterials.
3. Physical-chemical properties of thin films.
4. Nano- and thin films applications: energy, biotechnology & medicine, defense, space, etc.
5. Functional crystalline materials and materials with nanoinclusions.
6. Nanosystems and thin films: history of inventions and features of University's educational programs

## INVITED SPEAKERS:

**Prof. [Rebekka MILOT](#)**

**Ultrafast Charge-Carrier Dynamics in Halide Perovskite Thin Films**

Department of Physics, University of Warwick

*Coventry, UK*

**Prof. [Zinovi DASHEVSKY](#)**

**Nanocrystalline Film Structures on Lead Chalkogenides. Progress. Application**

*Ben-Gurion University of the Negev*

*Beer Sheva, Israel*

**Prof. Maksym STRIKHA**

**Phase diagrams, polar and electrophysical properties of the nanostructure “graphene on  $\text{Hf}_x\text{Zr}_{1-x}\text{O}_2$  thin film”**

*Taras Shevchenko Kyiv National University; V.Lashkariyov Institute of Semiconductor Physics, National Academy of Sciences of Ukraine  
Kyiv, Ukraine*

**Dr. Paytsar MANTASHYAN**

**Singlet-Triplet Splitting and Mollow Triplet Dynamics in Impurity-Doped Core/Shell Quantum Dots**

*A.B. Nalbandyan Institute of Chemical Physics, National Academy of Sciences of Armenia  
Yerevan, Armenia*

**Prof. Elias TOWE**

*Carnegie Mellon University  
Pittsburgh, Pennsylvania, USA*

**Prof. Khrystyna GNATENKO**

**Quantifying Properties of Spin Systems with Complex Interactions Using Quantum Programming**  
*Ivan Franko Lviv National University  
Lviv, Ukraine*

**Dr. Nicolas Sylvester BEERMANN**

**Electronic Transparency of Internal Interfaces in Metallic Bilayer Nanostructures Measured by Terahertz Spectroscopy**  
*Faculty of Physics, Bielefeld University  
Bielefeld, Germany*

**Dr. Pai LU**

**Micro-/Nano-Structuring Enabled Advance of Electrochemical Energy Storage**  
*Department of Microsystems, University of South-Eastern Norway  
Kongsberg, Norway*

**Prof. Mattia FANETTI**

**Chemical instability and formation of new phases at the interface between metallic thin films and  $\text{Bi}_2\text{Se}_3$  topological insulator**  
*Materials Research Laboratory, University of Nova Gorica  
Nova Gorica, Slovenia*

**Prof. Vasyl SHENDEROVSKII**

**History of the development of thin-film science at the Institute of Physics of the NAS of Ukraine (*in persons*)**  
*Institute of Physics, National Academy of Sciences of Ukraine  
Kyiv, Ukraine*

**REGISTRATION is now open:** <https://forms.gle/XznzZkd1MNCbNkeu8>



Information on the conference website is constantly updated and supplemented.

## ABSTRACT SUBMISSION

Participant registration and abstract submission will be conducted online.

Online registration: <https://forms.gle/XznzZkd1MNCbNkeu8>

Abstracts must be prepared in **.docx** format. The file name should include the author's surname. If an author submits two abstracts, the files should be named **“author1.docx”** and **“author2.docx”**.

Authors may also send their abstracts by email to the conference address: [icpttfn@pnu.edu.ua](mailto:icpttfn@pnu.edu.ua)

## ABSTRACT PREPARATION GUIDELINES

Abstracts must be written in English and be 1–2 full A4 pages long, including figures, tables, photos, and references. Use **Times New Roman**, single spacing, with 2.5 cm margins on all sides:

- Title: 16 pt, bold
- Authors: 14 pt, regular
- Affiliations (institution, city, country, email): 12 pt, italic
- Captions for tables: above the table, aligned right
- Formulae must be created in MS Equation
- All captions and formulae: 14 pt

A template is available at: <https://conference.pnu.edu.ua/icpttfn/abstracts/>

A maximum of **two abstracts per author** is permitted.

## REGISTRATION FEES

Basic	Basic +	Online
150 USD/Euro	200 USD/Euro	50 USD/Euro

In view of Russia's invasion of Ukraine, special discounts are offered to **researchers affiliated with Ukrainian institutions** – the registration fee amounts to 15% of the standard rate, as follows:

- **Basic package** – 750 UAH
- **Basic+ package** – 750 UAH + 2000 UAH
- **Online participation** – 300 UAH

#### **“Basic” Package:**

The registration fees cover admission to all technical sessions of the conference, set for conference participants, processing of the book of abstracts, processing of the special issue of Conference Materials (Proceedings), coffee breaks, socials and networking events, conference welcome party, excursions.

#### **“Basic+” Package**

The registration fees cover admission to all technical sessions of the conference, set for conference participants, processing of the book of abstracts, processing of the special issue of Conference Materials (Proceedings), coffee breaks, socials and networking events, conference welcome party, excursions, gala dinner\*.

#### **“Online Participation” Package**

Does not include any set for conference participants.

The registration fees cover admission to all technical sessions of the conference, processing of the book of abstracts, processing of the special issue of Conference Materials (Proceedings), and organisation of the online session.

## **CONFERENCE LANGUAGES**

English and Ukrainian (with English-language poster or presentation required)

## **PUBLICATION OF CONFERENCE MATERIALS**

The proceedings of ICPTTFN-XX are planned to be published in a special issue of *Materials Today: Proceedings* (SNIP 0.657, published by Elsevier).

Only materials that were included in the official conference programme — whether presented orally, as posters, or in online format — may be recommended for publication.

## **CONTACT**

### **Organising Committee – ICPTTFN-XX**

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