



**30<sup>th</sup>** International Conference on

**APPLIED PHYSICS  
OF CONDENSED MATTER  
(APCOM 2025)**

**Accompanying events:**

*Current Successes in the Photoemission and Electron  
Microscopy (8<sup>th</sup> International Workshop)*

*Advances in Nuclear Engineering (7<sup>th</sup> International  
Conference)*

**June 25 - 27, 2025**

**Hotel Patria, Štrbské Pleso,  
High Tatras, Slovak Republic**

**Organized by**

- Institute of Nuclear and Physical Engineering, Faculty of Electrical Engineering and Information Technology, Slovak University of Technology (STU), Bratislava
- Alumni Club of the Faculty of Electrical Engineering and Information Technology STU, Bratislava
- Institute of Aurel Stodola in Liptovský Mikuláš, Faculty of Electrical Engineering and Information Technology, University of Žilina
- Institute of Physics, Slovak Academy of Sciences
- Slovak Physical Society

**FIRST ANNOUNCEMENT**

**INTERNATIONAL PROGRAM COMMITTEE**

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U. Topal, Tubitak-UME, TR  
K. Vutova, BAS Sofia, BG

**LOCAL ORGANIZING COMMITTEE**

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**CONFERENCE ADMINISTRATOR**

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**IMPORTANT DATES & DEADLINES**

Application submission:	<b>January 31</b>
Second announcement and application acceptance:	<b>February 15</b>
Papers submission:	<b>April 30</b>
Registration fee payment:	<b>April 30</b>
Accommodation/board ordering:	<b>May 15</b>
Comments of reviewers:	<b>May 15</b>
Submission of corrected papers:	<b>May 20</b>
Opening ceremony:	<b>June 25</b>

The conference APCOM 2025 is held under the auspices of

**Professor Vladimír Kutíš**

Dean of the Faculty of Electrical Engineering and Information Technology of Slovak Technical University in Bratislava



The International Conference on  
**APPLIED PHYSICS  
OF CONDENSED  
MATTER (APCOM  
2025)**

is the 30<sup>th</sup> international conference in the series of events started in the year 1995 with the workshop "Solid State Physics and Radioactive Irradiation". Next three years the name of this workshop was „Effect of Non-Standard External Factors on Physical Properties of Solids“. Since 1999, its name was transformed to current name "Applied Physics of Condensed Matter" (APCOM). APCOM provides a unique opportunity for experts in the field of applied physical research of condensed matter to come together and share their visions of future development and in the area of application of devices for example in electrical and nuclear power engineering, electronic and optical communication etc. The main focus of the conference is on presentation of both theoretical and experimental results, partly also of both computer simulation results and specific measurements techniques in the investigation of physical properties and structure of bulk solids and structures, thin solid films, ultrathin organic polymer films, micro- and nanostructures *etc.*, exposed to the influence of the wide-range specific external factors (electrical, magnetic, thermal, high-frequency electromagnetic waves, optical and ionized radiation, ion and elementary particles beams and so on).

**The main content areas** are the following:

1. New materials and structures (incl. nanostructures and thin films), their analysis and specific applications
2. Physical properties and structural aspects of solid materials and their influencing
3. Optical phenomena in materials, photovoltaics and photonics, new principles in sensors and detection methods, applied optics and optical communications

4. Nuclear science and technology (with emphasis on the influence of irradiation on physical properties of materials and radiation detection)
5. Computational physics and theory of physical properties of matter
6. Biophysics and interdisciplinary physics of condensed matter.
7. Current Successes in the Photoemission and Electron Microscopy

**Conference layout:** June 25–27, 2025. All participants are encouraged to register on Wednesday, June 25. The registration desk will be opened from 11:00 CET. The opening of the conference will be on Wednesday, June 25, at 15:00 CET followed immediately by the introductory session. The programme will be closed on Friday, June 27, at 11:30 CET, lunch at 11:30 CET. Registration details will be available in the second announcement.

**Venue:** Hotel Patria is located as a dominant building near the shore of the high-mountain tarn Štrbské pleso (1355 metres above sea-level) at the mouth of Mlynická Valley, sensitively incorporated into the High Tatras landscape. It is named after the nearby peak Patria (in Latin: "fatherland"), 2203 metres high. For details see <http://www.hotelpatria.sk>.

**Language:** The official language of all presentations is English.

**Conference Publication:** The complete set of abstracts will be published on the conference website. The minimum requirement for inclusion in the scientific program is to provide an abstract before April 30, 2025. All accepted full-text papers (**delivered strictly before April 30, 2025, in English only**) will be published in the online form in peer-reviewed Conference Proceedings through **AIP Publishing (American Institute of Physics)**, indexed in leading databases, such as Conference Proceedings Citation Index (part of Web of Sciences), Scopus (Elsevier), Inspec etc. The online version of the Conference Proceedings will be published later. Details for publishing will be available in the second announcement.

**Form of presentation:** Introductory lectures (20 min.), contributed (15 min.) oral presentations including discussion and also poster sessions are planned.

**Technical equipment:** The PC–data/video projector will be available for oral presentation. Details of the poster sessions will be announced later.

**Conference fee:** The conference fee consists of the registration fee and accommodation fee for two nights (double and a limited number of single rooms are available.)

Registration fee	365 EUR*
Accommodation fee in double room	145 EUR**
<b>Total conference fee</b>	<b>510 EUR***</b>

\* Registration fee for PhD students 340 €, total conference fee 485 € (in double room)

\*\* For accommodation in single room additional payment 115 €, total conference fee 625 €

\*\*\* For accompanying adult persons total fee 320 €.

For families with two children, accommodation is possible only in the hotel apartment.

Registration fee includes conference materials, overhead costs, admission to all conference sessions, entrance to the wellness area and coffee-break refreshments, full board fee, welcome party, friendship party and social programme.

**Financial details:** The conference fee should be paid before **April 30, 2025** by bank transfer, only exceptionally at the registration desk (must be consulted with the organizers). **For payment realised after April 30 the registration fee will be increased by 50 EUR.** Bank account number will be posted in the second announcement as well as on the web site. Each participant obtains an invoice at the registration desk.

**Application:** To participate in the conference, please fill in the application form (you can find it on <http://kf.elf.stuba.sk/~apcom/>) and send it directly to the to the chairman of the organizing committee before **January 31, 2025** by e-mail. The acceptance of the application will be announced simultaneously with the second announcement. As Hotel Patria reserved capacity is limited at present, the latest registration may not be accepted!

**Important:** In an application form it is unconditionally necessary to specify **in which main content area a contribution should be included.** The organizers can additionally require a short annotation of a contribution. The delayed contributions (after April 30) may not be accepted in the Conference Proceedings.