

*The conference APCOM 2023 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*

CONFERENCE ADMINISTRATOR

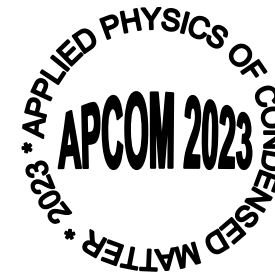
Patrik Novák

Institute of Nuclear and Physical Engineering
Faculty of Electrical Engineering and Information
Technology, Slovak University of Technology,
Ilkovičova 3
812 19 Bratislava, Slovak Republic
Tel.: +421 2 602 91 714
Email: apcom@elf.stuba.sk
Web: <http://kf.elf.stuba.sk/~apcom/>

IMPORTANT DATES & DEADLINES

Papers submission:	April 30
Registration fee payment:	April 30
Accommodation/board ordering:	May 15
Comments of reviewers:	May 15
Submission of corrected papers:	May 20
Opening ceremony:	June 21

28th International Conference on
APPLIED PHYSICS OF CONDENSED MATTER



June 21 – 23, 2023

Hotel Patria, Štrbské Pleso, High Tatras, Slovak Republic

Accompanying events:

*A. International Workshop
Current Successes in the Photoemission (CSPES) and
Electron Microscopy*

supported by company Měřicí technika Morava, s.r.o.



*B. Scientific Conference
Advances in Nuclear Engineering*

*supported by the Slovak Research Development Agency within the project
No. APVV VV-20-300, APVV-21-0170 and by*



NURECO o.z.

SECOND ANNOUNCEMENT

INTERNATIONAL PROGRAM COMMITTEE

J. Šitek, FEEIT STU Bratislava, SK – chairman
J. Cirák, FEEIT STU Bratislava, SK
M. Flaska, PSU Pennsylvania, USA
K. Hricovini, CPU Cergy-Pontoise, FR
E. Hristoforou, NTU Athens, GR
J. Krempasky, PSI Villigen, CH
V. Lisý, FEEIT TU Košice, SK
R. Makhloufi, CU Cean, FR
J. Minár, UWB Plzeň, CZ
J. Müllerová, FEEIT Žilina University, SK
D. Seyringer, FHV Dornbirn, AT
O. Schneeweiss, IPM AS, Brno, CZ
B. Sopko, CUT Prague, CZ
P. Švec, IP SAS Bratislava, SK
R. Szewczyk, WUT Warsaw, PL
U. Topal, Tubitak-UME, TR
K. Vutova, BAS Sofia, BG

LOCAL ORGANIZING COMMITTEE

J. Vajda, FEEIT STU Bratislava, SK – chairman
I. Jamnický, FEEIT Žilina University, SK
P. Novák, FEEIT STU Bratislava, SK

ORGANIZERS

• Institute of Nuclear and Physical Engineering, Faculty of Electrical Engineering and Information Technology, Slovak University of Technology, Bratislava • Alumni Club of the Faculty of Electrical Engineering and Information Technology, Slovak University of Technology, 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, Bratislava • Slovak Physical Society, Bratislava

SCOPE OF THE CONFERENCE

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 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 measurement 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 wide-range specific external factors (electrical, magnetic, thermal, high-frequency electromagnetic waves, optical and ionized radiation, ion and elementary particles beams etc.).

MAIN CONTENT AREAS:

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 (*co-organised by R. Medlín, J. Minár, D. Lávička, UWB Plzeň, CZ and J. Krempaský, PSI Villigen CH*).

SCIENTIFIC PROGRAMME

Contributed (10-15 min) oral presentations including discussions and the poster sessions are planned. The preliminary scientific programme of the conference includes more than 70 contributed papers. The official language of all presentations is English. Each participant can present only one contribution.

GENERAL INFORMATION

Registration: Registration and lodging of participants will be provided at the registration desk, which will be opened at Hotel Patria, Štrbské Pleso on Wednesday, June 21, 2023 from 11:00 to 14:00 CET. Lunch at 12:00 to 14:00 CET. Opening ceremony preliminary at 15:00 CET.

Presentation facilities: A PC video-data projector (Microsoft® PowerPoint® 2021, 2016 or 2013 software is recommended) will be available for oral presentations. If you need some special equipment, hardware or software, please contact the conference administrator. Poster created on a sheet of paper must not exceed A0 format (width 841 mm; height 1189 mm).

Social events: The *welcome party* will be held on June 21st at 20:00 CET. Either a mountain tourist walk and/or excursion in the vicinity are planned for June 22nd from 13:00 to 18:00 CET. The *friendship party* (grill party) will be held on June 22nd at 19:30 CET. Departure of participants on Friday, June 23rd at 13:00.

Venue: The conference will be held in Hotel Patria, High Tatras, Slovak Republic. It is located as a dominant building near the high-mountain tarn Štrbské pleso (1,355 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"), 2,203 metres high. For details see <http://www.hotelpatria.sk>.

Transport information: Detailed transport information is on the conference webpage: <http://kf.elf.stuba.sk/~apcom/>

CALL FOR PAPERS/PUBLISHING

The complete set of abstracts will be published on the conference website. In order to include a contribution to the scientific program, it is necessary to provide at least an abstract (by April 30).

All accepted full-text papers (**delivered strictly before April 30, 2023, in English only**) will be published (in 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 corresponding authors can expect an e-mail request to sign the Copyright License Agreement Form and subsequently, after a longer time, a request to complete the submission of the contribution (by e-mail directly from AIP). The online version of the Conference Proceedings will be published later. The participants will subsequently receive an email notification about the possibility of downloading the contributions (free of charge). Details for publication in Conference Proceedings are described below.

Instructions for publication in Conference Proceedings:

All complete texts of papers will be written in English according to **the template available on the conference webpage**. Or click on the link <http://aip.scitation.org/apc/authors/preppapers>. The authors are requested to submit the papers in electronic form of the camera-ready paper as a file written scrupulously according to the template in the text editor Microsoft Word (*.docx only) and also transferred to Adobe Reader Acrobat (.pdf format) with embedded fonts to the e-mail address jan.vajda@stuba.sk or apcom@elf.stuba.sk by **April 30, 2023**. The program committee will send the copies to referees and supervise the reviewing process. Contributions received after this date may not be included in the Conference Proceedings. One main (first) author can publish only one contribution in Conference Proceedings. We recommend writing your contribution directly to the MS Word template! **The contribution to the Conference Proceedings should have more than 2 pages.**

Caution: the AIP template has "Letter" format not A4.



**28th International Conference on
APPLIED PHYSICS OF CONDENSED
MATTER**

June 21 – 23, 2023

Hotel Patria, Štrbské Pleso, High Tatras, Slovak Republic

**ACCOMMODATION/FULL BOARD/REGISTRATION
FEE PAYMENT**

The accommodation/full board/registration fee should be paid

by April 30, 2023 to

Spolok absolventov a priateľov FEI STU (EF SVŠT)

(in English: Alumni Club of FEEIT STU)

Ilkovičova 3

812 19 Bratislava, Slovak Republic

IČO: 317 955 28 DIČ (VAT No): SK2020222402

by bank transfer to

TATRA BANKA a. s., Hodžovo nám. 3

811 06 Bratislava, Slovak Republic

Account number: IBAN: SK65 1100 0000 0026 6643 0006

SWIFT (BIC) code: TATRSKBX

Variable symbol: 2106

Details/Note of payment: surname, APCOM 2023

(In order to identify your payment, when making a bank transfer, please include your surname together with the text "APCOM 2023" to the note of payment.)

CONFERENCE FEE

The conference fee includes the registration fee, two-night accommodation (double and a limited number of single rooms are available) and full board fee. Registration fee includes conference materials, overhead costs, admission to all conference sessions and coffee-break refreshments, welcome party, friendship party and social programme.

<i>Registration fee</i>	<i>290 EUR*</i>
<i>Accommodation/full board fee</i>	<i>150 EUR (double room)</i>
Total	440 EUR**

* *Registration fee for PhD. students 265 EUR, total 415 € (in double room)*

** *For single room extra fee 100 €, total costs 540 €, for PhD. students total costs 515 €.*

For accompanying (adult) persons total fee 270 EUR (will be paid only in cash at the registration desk)

For payment realised after April 30 the registration fee will be increased by 50 EUR. If a registered participant fails to pay the fee by 15 May 2023, he will be removed from the list of participants.

Important: Each conference participant obtains an invoice at the registration desk (June 21st). To issue the invoice in the required form, please send the correct name and address of your institution and its VAT Number (Value Added Tax Number; IČ DPH in Slovak Republic) to the conference administrator by e-mail as soon as possible if you have not already done it in the Application Form.

ACCOMMODATION / BOARD ORDERING

After bank transfer you have booked the full board (June 21st to 23rd) and two-night accommodation (June 21st and 22nd) **automatically**. Please submit the information about delayed executing a bank transfer to the chairman of the organizing committee jan.vajda@stuba.sk immediately.

In the case of any questions or suggestions, please contact the chairman of the organizing committee by e-mail.