



25th International Conference on

**APPLIED PHYSICS
OF CONDENSED MATTER
(APCOM 2019)**

Accompanying event:

**Current Successes in the Photoemission and Electron
Microscopy (3rd International Workshop)**

June 19 - 21, 2019

**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, University of Žilina

Institute of Physics, Slovak Academy of Sciences
Slovak Physical Society

FIRST ANNOUNCEMENT

INTERNATIONAL PROGRAM COMMITTEE

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R. Szewczyk, WUT Warsaw, PL
U. Topal, Tubitak-UME, TR

LOCAL ORGANIZING COMMITTEE

J. Vajda, FEEIT STU Bratislava, SK - chairman
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CONFERENCE ADMINISTRATOR

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IMPORTANT DATES & DEADLINES

Application submission:	January 31
Second announcement and application acceptance:	February 15
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 19



The International Conference on
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MATTER (APCOM
2019)**

is the 25th 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 an 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 (*co-organised by R. Medlín, J. Minár, D. Lávička, UWB Plzeň, CZ and J. Krempaský, PSI Villigen, CH*)

Conference layout: June 19–21, 2019. All participants are encouraged to register on Wednesday, June 19. The registration desk will be opened from 11:00 CET. The opening of the conference will be on Wednesday, June 19, at 15:30 CET followed immediately by the introductory session. The programme will be closed on Friday, June 21, 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 conference participants will obtain *Book of Abstracts* at the registration desk. All accepted full-text papers (**delivered strictly before April 30, 2019, in English only**) will be published 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 Conference Proceedings will be sent to the participants later, but surely in year 2019. 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, two-night accommodation (double and a very limited number of single rooms are available), entrance to hotel wellness and full board fee.

<i>Registration fee</i>	230 EUR*
<i>Accommodation/full board fee</i>	100 EUR**
Total	330 EUR***

* *Registration fee for PhD.students 205 €, total 305 € (in double room)*

** *For single room extra fee 70 €, total 400 €*

*** *For accompanying persons total fee 230 €*

Registration fee includes conference materials, overhead costs, admission to all conference sessions and coffee-break refreshments, welcome party, friendship party and social programme.

Financial details: The conference fee should be paid before **April 30, 2019** 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 30 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 conference administrator (apcom@elf.stuba.sk) before **January 31, 2019** by e-mail. The application acceptance will be confirmed in 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) cannot be included in the Conference Proceedings.