

**TWENTIETH INTERNATIONAL SUMMER SCHOOL
ON VACUUM, ELECTRON AND ION TECHNOLOGIES**

ORGANIZED BY

**INSTITUTE OF ELECTRONICS
BULGARIAN ACADEMY OF SCIENCES, SOFIA, BULGARIA**

**DUTCH INSTITUTE FOR FUNDAMENTAL ENERGY RESEARCH (DIFFER)
EINDHOVEN, THE NETHERLANDS**

VEIT 2017

**25 - 29 September 2017
Sozopol, Bulgaria**

<http://www.veit.dir.bg>
<http://www.veit.8k.com>

**FIRST ANNOUNCEMENT
AND
CALL FOR PAPERS**

The VEIT 2017 International Summer School on Vacuum, Electron and Ion Technologies is the 20th in a series of events organized with the aim to act as a forum for interchange and dissemination of knowledge and ideas on the latest developments in electron-, ion-, and plasma-assisted technologies. Reviews of state-of-the-art laboratory research and industrial applications with emphasis on both the physics and the engineering aspects of these technologies that have become important research tools and production processes will be presented. The scientific program will include about 25 invited lectures and reviews. Contributed papers are also solicited and will be presented mainly in poster sessions. Informal atmosphere will stimulate further collaborations and joint works.

THE OFFICIAL LANGUAGE OF THE SCHOOL IS ENGLISH

CHAIRS OF THE SCHOOL:

M. Dimitrova

M.C.M. van de Sanden

INTERNATIONAL ADVISORY COMMITTEE:

N. Guerassimov	Bulgarian Academy of Sciences, Sofia, Bulgaria
M. Dimitrova	Czech Academy of Sciences, Prague, Czech Republic
R. Panek	Czech Academy of Sciences, Prague, Czech Republic
Th. Czerwiec	Institut Jean Lamour (IJL), Ecole des Mines de Nancy, Nancy, France
W. Möller	Forschungszentrum Dresden-Rossendorf, Dresden, Germany
B. Rauschenbach	IOM and Leipzig University, Leipzig, Germany
H. Kersten	IEAP University of Kiel, Kiel, Germany
D. Mataras	University of Patras, Patras, Greece
V. Guerra	Instituto Superior Técnico, Lisboa, Portugal
G. Dinescu	National Institute for Laser, Plasma and Radiation Physics, Magurele Bucharest, Romania
Z. Petrovic	Institute of Physics, Belgrade, Serbia
M. Mozetic	"Jozef Stefan" Institute, Ljubljana, Slovenia
K. Larsson	Uppsala University, Uppsala, Sweden
I. Katardjiev	Uppsala University, Uppsala, Sweden
M.C.M. (Richard) van de Sanden	Dutch Institute for Fundamental Energy Research (DIFFER), Eindhoven, The Netherlands
G. J. van Rooij	Dutch Institute for Fundamental Energy Research (DIFFER), Eindhoven, The Netherlands
M. Ürgen	Istanbul Technical University, Istanbul, Turkey
A. Ehiasarian	Sheffield Hallam University, Sheffield, UK
I. Petrov	University of Illinois, Urbana, IL, USA

LOCAL ORGANIZING COMMITTEE:

Ch. Angelov, M. Damyanova, M. Dimitrova (Chair), Ch. Ghelev, P. Ivanova, E. Taskova, E. Vasileva.

MAIN SCIENTIFIC TOPICS

- **Thin films deposition**
- **Surfaces and thin films processing and analysis**
- **Coatings for advanced applications**
- **Plasma-surface interaction and plasma diagnostics**
- **Modeling and computer simulation**

CONTRIBUTIONS

Contributed papers on the topics given above are welcome. One-page abstracts of invited lectures and contributed papers will be published in the Book of Abstracts of the School and will be distributed to the participants at registration. The abstracts must be written in grammatically correct English and comply with the following requirements:

- * Title of the paper (centered capitals), Authors, Affiliations, Addresses (centered). For papers submitted by more than one author underline the name of the author who will present the paper and will be the addressee for all communications with the Organizing Committee.
- * Text of Abstract confined within a *16-cm*-wide by *24-cm*-high area (obtained by leaving *2.5-cm* margins on all sides of a standard A4 sheet of paper).
- * Begin the text leaving two blank lines after the last line of the Title/Author heading. The text must be typed single spaced with 1.5 spacing between paragraphs, Font Times New Roman, size 12.

You are kindly requested to send your abstract by e-mail (veit2017@abv.bg or veit@dir.bg) as attachment in MS Word format.

Abstract submission deadline: 31 May 2017.

Authors' notification: 1 July 2017.

PROCEEDINGS

The full papers of the invited lectures and accepted poster contributions will be published in Journal of Physics: Conference Series (<http://jpcs.iop.org>) – an open-access journal dedicated to fast and efficient publication of international conferences. For publication in Proceedings VEIT 2017 will only be considered papers submitted to the Organizing Committee at the latest on the first working day of the School (25 September 2017) and presented for discussion at one of the School's sessions. **The length of the papers should not exceed 8 journal pages for invited lectures and 5 journal papers for contributed papers.** The papers submitted will be thoroughly refereed.

Detailed information about the manuscript preparation is available at the website of the journal (see above).

REGISTRATION AND ACCOMMODATION

The activities of the **20th VEIT** will take place in the picturesque town of Sozopol at the Black Sea coast, which is situated 35 km to the south of the port city of Burgas. Burgas is a marvellous town, easily reached by direct flights from many European cities. Railway and long-distance coach services from Sofia are also available.

The participants will be accommodated in Selena Hotel (***) and Vila List Hotel (****); full board (breakfast, lunch and dinner) and accommodation start from € 32 per day in a double room to € 42 in a single room.

The Organizing Committee will take care of participants' accommodation booking. You are kindly requested to send your request by e-mail (veit2017@abv.bg, veit@dir.bg) before 15 August 2017.

Registration fees	before 15 July 2017	after 15 July 2017
Regular registration fee	EUR 230	EUR 280
Students' fee	EUR 130	EUR 180
Accompanying person	EUR 50	EUR 50

The registration fee includes welcome party on Monday 25 September, coffee breaks, Book of Abstracts and publication in JPCS.

Payment: by bank transfer.

The registration fee should be transferred (*all bank charges and fees included*) to:

Name of the Bank: UniCredit Bulbank, Ivan Vazov Branch;

Address: 1, Ivan Vazov Street, 1000 Sofia, Bulgaria;

IBAN: BG13UNCR76303400001326; *BIC code:* UNCRBGSF;

re: VEIT 2017, Institute of Electronics.

All participants are kindly requested to bring to the School a copy of the bank transfer documentation.

Cancellation and refund policy

Registration fees:

- cancellation received by 1 August 2017, full refund less a handling charge of EUR 20;
- cancellation received between 1 August and 1 September 2017, 50% of the registration fee will be refunded;
- cancellation received after 1 September 2017, no refund will be made.

There is no refund for no-shows.

There is no fee if a participant's cancelled registration is transferred to a colleague from the same organization.

All cancellations and/or changes in registration must be made in writing.

PASSPORTS AND VISAS

All foreign visitors entering Bulgaria must carry a valid identification document (e.g., a passport) and, if necessary, a visa. Citizens of the European Union and the European Economic Area need an ID card only. Please, check with the nearest Bulgarian Consular Office in your country and, if necessary, apply for a Bulgarian entry visa well in advance.

CLIMATE

Late September is usually warm on the Bulgarian Black Sea. The daytime temperature reaches 20-25 °C, but at night it may fall to as low as 5 °C. The seawater temperature is usually close to 20 °C. To feel comfortable, visitors are advised to bring both swimming-suits and sweaters.

TIME SCHEDULE

The Program includes invited talks, poster presentations and two sessions for 20-minute oral presentations by young scientists (up to 35 years of age) and graduate students. The Program will be published in July 2017.

10.00 – 13.00	Plenary session. Presentation of invited lectures and oral presentation by young scientists (Sept. 25 - 29).
13.00 – 15.00	Break
15.00 – 16:30	Plenary session. Presentation of invited lectures.
16.30 – 19:00	Poster session. Presentation of contributed papers (Sept. 25, Sept. 26, Sept. 27).
14.00	Excursion (Sept. 29).
20.00 -	Welcome party (Sept. 25), Official dinner (Sept. 28).

IMPORTANT DATES TO REMEMBER

31.05.2017	Abstract and pre-registration form submission deadline.
01.07.2017	Authors notification.
31.07.2017	Preliminary program and final circular.
24.09.2017	Arrival and registration.
25.09.2017	School opening; Submission of manuscripts to the Organizing Committee.

CORRESPONDENCE

Please address all inquiries to:

Conference Secretary: M. Damyanova
VEIT 2017 Organizing Committee
Institute of Electronics
Bulgarian Academy of Sciences
72 Tzarigradsko Chaussee
1784 Sofia, Bulgaria

Tel: +359 2 979 58 91
Fax: +359 2 975 32 01
e-mail: veit2017@abv.bg
veit@dir.bg
website: <http://www.veit.dir.bg>
<http://www.veit.8k.com>

To receive further information on manuscript and poster preparation, scientific and social programs, accommodation and transportation which will be included in later announcements, please complete the pre-registration form (see below) and return it to the Organizing Committee *before 31 May 2017* by e-mail (veit2017@abv.bg or veit@dir.bg) as attachment in MS Word format.

**TWENTIETH INTERNATIONAL SUMMER SCHOOL
ON VACUUM, ELECTRON, AND ION TECHNOLOGIES**

**25 - 29 September 2017
Sozopol, Bulgaria**

PRE-REGISTRATION FORM

Title (Prof/Dr/Ms/Mr):

Name:

Affiliation:

Position (e.g. PhD student/Student/other):

Address (incl. e-mail):

Title and authors of the contributed paper:

Topic:

Type of participation (oral/poster presentation):