



ADDRESS FOR INFORMATION AND CORRESPONDENCE

Further information can be obtained at:

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TWELFTH INTERNATIONAL CONFERENCE ON ELECTRON BEAM TECHNOLOGIES



INVITATION FIRST ANNOUNCEMENT

13 – 18 June 2016
Varna, Bulgaria

The Conference is organized by
BULGARIAN ACADEMY OF SCIENCES

THE TECHNOLOGICAL CENTER OF
ELECTRON BEAM AND PLASMA
TECHNOLOGIES, Sofia

In cooperation with

- UNION OF ELECTRONICS, ELECTRICAL
ENGINEERING AND TELECOMMUNI-
CATIONS – Bulgaria

CONFERENCE PROGRAM AND TOPICS

As during the all previous EBT Conferences, high energy beams will be a field of interest in this one, emphasizing on the electron beams. The Conference will address various aspects of theory and applications of electron beams and will present extensive information on the recent advance in research, development and implementation of electron beam technologies and related facilities. Diagnostic methods relevant to this field will also be discussed.

Topics covered during the EBT'16 conference will include:

- physics of intense electron beams;
- electron-optical systems and facilities for measurement and control of electron beams;
- free electron devices, electron beam welding;
- electron beam melting and refining;
- selective electron beam and laser melting;
- high rate deposition of metallurgical coatings;
- electron beam surface modification;
- thermal processing and thin films deposited by electron beams;
- electron lithography;
- electron beam curing of polymers and composites;
- ion lithography, ion implantation; laser beam technologies
- modelling of physical processes during the interaction of charged particle beams with materials;
- applications of charged particles beams in nanotechnology and nano-electronics, in medicine and industry;
- electron beam equipment design and automation.

INTERNATIONAL ORGANIZING COMMITTEE

A. Kaydalov – Ukraine
C. Ribton – U.K.
D. Amalnerkar – India
D. Kovalchuk – Ukraine
D. Trushnikov – Russia
E. Koleva – Bulgaria
E. Oks – Russia
G. Mattausch – Germany
G. Mladenov – Bulgaria - *Chairman*
I. Kostic –Slovakia
I. Mihailescu - Romania
K. Vutova – Bulgaria
M. Nemtanu – Romania
M. Zobac – Czech Republic
N. Kuksanov – Russia
T. Tanaka – Japan
R. Bakish – USA
R. Zenker – Germany
V. Belenkiy – Russia
V. Dragunov – Russia
V. Engelko – Russia
V. Shelyagin – Ukraine
V. Vasileva – Bulgaria

LOCAL ORGANIZING COMMITTEE

K. Vutova – co-chairman
E. Koleva – co-chairman
V. Vasileva
L. Koleva
V. Dzharov

IMPORTANT DATES /Deadlines/

Registration	10.03.2016
Abstracts	10.03.2016
Notification of acceptance	25.03.2016
Papers – full text; payment of the conference fees and hotel reservation through Org. committee	05.05.2016

GENERAL INFORMATION ABOUT EBT'16

The manuscripts, prepared for publishing by direct photographic reproduction must be received up to **5 May 2016**. The papers (limited to five printed pages – format A4) will be reviewed and published in the Bulgarian journal “**Electrotechnica and Electronica**” **5-6, 2016** and will be distributed among the Conference participants at their arrival in Varna. For instructions for the authors, please visit www.ebt2016.com. Some papers, recommended during reviewing procedure will be directed for publishing in European Journal.

The venue of the EBT'2016 is the Grand Hotel “Varna” in Resort “St. Konstantin and Elena”, located 10 km north of Varna. The city of Varna is situated at the Black Sea coast. The International communications and means of transportation are good (especially in June when there are many direct charter flight connecting Varna with a number of leading International airports). The nice seaside Resort “St. Konstantin and Elena” is an excellent place, providing variety of comfortable hotels. The conference site is right on the sea cost in a beautiful old park. The participants can do reservation of hotel rooms through Organizing Committee up to **5 May 2016**. The early registration fee is 280 EUR. Please visit our Internet-site www.ebt2016.com for further information.