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History of the ISTET Symposium

The ISTET Symposium was founded by three outstanding experts in Theoretical Electrical Engineering: Prof. Oldrych Benda, Bratislava, Prof. Eugen Philippow, Ilmenau, and Prof. Kamo S. Demirtchyan, Moscow, in 1978 in Smolence near Bratislava. The first symposium took place in 1981 in Bratislava and has been followed by conferences held in various parts of Europe:

1981 – Bratislava, Slovak Republic
1983 – Ilmenau, Germany
1985 – Moscow, Russia
1987 – Ilmenau, Germany
1989 – Budapest, Hungary
1991 – Cottbus, Germany
1993 – Szczecin, Poland
1995 – Thessaloniki, Greece
1997 – Palermo, Italy
1999 – Magdeburg, Germany
2001 – Linz, Austria
2003 – Warsaw, Poland
2005 – Lviv, Ukraine
2007 – Szczecin, Poland
2009 – Luebeck, Germany
2011 – Klagenfurt, Austria
2013 – Pilsen, Czech Republic
2015 – Kolobrzeg, Poland
2017 – Ilmenau, Germany

Contact

Technical University of Sofia
Dept. Theory of Electrical Engineering
Blvd. “Kl. Ohridski”, 8
Sofia 1000, Sofia
Bulgaria

Prof. Valeri Mladenov - Chairmen
Assoc. Prof. Atanas Chervenkov - Secretary
Phone: **+359 2 965 2386**
E-mail: istet2019@tu-sofia.bg
Web: www.istet2019.eu

Registration

The registration fee per participant (regular or student), including presentation of one paper, coffee breaks, welcome reception, gala dinner and conference materials is as follows:

	Early Bird Rate before 19.05.2019	Late Registration from 20.05.2019
Regular participant	300 €	350 €
Student	175 €	200 €
Accompanying person	75 €	75 €

If there are more than one paper presented by the same author, each additional paper will be charged with a fee of 50 €. In this case, the author should select the corresponding option during the final registration procedure.
For accompanying person the welcome reception, coffee breaks and gala dinner is included in the fee.

CALL FOR PAPERS

<https://www.istet2019.eu>



XX International Symposium on Theoretical Electrical Engineering (ISTET-2019) TECHNICAL UNIVERSITY OF SOFIA, BULGARIA, 21-24 JULY 2019

The International Symposium on Theoretical Electrical Engineering (ISTET) is traditionally devoted to research and education in theory and applications of electromagnetic fields, electrical and electronic circuits and systems as well as signal processing, design and control of electromagnetic devices, and others.

The XX edition of the International Symposium on Theoretical Electrical Engineering (ISTET-2019) will be held at the Technical University of Sofia, Bulgaria, from 21st to 24th July 2019.

As always in this conference series, we invite and encourage contributions from both academia and industry. No matter whether you are an experienced professional or a novice in innovative electrical engineering – we are sure that the ISTET symposium will be of benefit to you.

Objectives

The biannual ISTET symposium series is devoted to research and education in theory and applications of electromagnetic fields, electrical and electronic circuits, signal processing, and design and control of electro-magnetic systems.

Topics of the Symposium

- Electromagnetic Fields

Fundamental aspects of field theory, Low and high frequency fields, Numerical algorithms, Optimization problems

- Circuit and System Theory

Linear and nonlinear circuits, System theory, Nonlinear aspects of power systems

- Signal Processing and Identification

Advanced methods of signal processing, Mixed description of fields/circuits and signals, Signal processing algorithms, Nonlinear dynamics and signal processing, Classical and non-classical aspects in identification, Biomedical signal processing

- Theoretical Concepts

Advanced mathematical concepts in networks and fields, Nonlinear control systems, Mathematical modeling aspects, Multivariable large-scale systems

- Applications

Nondestructive testing and evaluation, Smart magnetic materials, Microelectronic circuits, Mobile communication aspects, Control systems technology, Electrical drives and power systems, Electromagnetic compatibility, Sensors and actuators

- Innovative Educational Aspects

New ideas in teaching fields, Multimedia and internet aspects in education, Modern information science teaching

Important Dates

~~March 31, 2019~~ April 15, 2019 - Deadline of short papers submission

May 1, 2019 - Notification of short paper acceptance

May 19, 2019 - Deadline for early registration

July 21, 2019 - Conference begin

July 24, 2019 - Full paper submission

Short Paper Submission

By tradition ISTET conferences first collect a short (one page) unpublished paper. This one page digest should contain the title of the paper, the authors and their affiliation, a short abstract, the main contents of the paper, preliminary results and references. The digest should be submitted using the <https://easychair.org/conferences/?conf=istet2019> as a PDF file only, formatted in DIN A4. See below the templates for preparing the digest and the full version of the paper.

For any details, please feel free to contact the organizers. Use the e-mail istet2019@tu-sofia.bg. The one page short papers will be reviewed by the editorial board and will be published in a **Book-of-Abstracts**, available at the symposium.

Full Papers

Authors of accepted and registered papers will be encouraged to submit a full version (max. 8 pages) of their paper by the end of the symposium. The paper should be uploaded using <https://easychair.org/conferences/?conf=istet2019> in the same format, as the digest, given above.

After a review procedure, a number of papers will be selected by the editorial board for publication in the Special Issue of COMPEL (The International Journal for Computation and Mathematics in Electrical and Electronic Engineering) in 2020, issue 3, see <http://www.emeraldinsight.com/journal/compel#>. The special issue will have the title: “*Special issue on Theoretical Electrical Engineering*”.

Another part of papers will be published in the peer reviewed scientific journal “ELECTROTECHNICA+ELECTRONICA” – “E+E”, see <http://epluse.fmts.bg>.

As soon as the selection will be done, the authors will be informed and guided to the corresponding journal. All papers will undergo a peer reviewing process with respect to the journal.

Young Researchers Poster Competition

A special session for students and PhD candidates is intended to be organized. Please put the name of the session in the category field when electronically submitting the short paper. The candidates interested in the competition have to provide a confirmation of their current student’s status.

Conference Venue & Accommodation

The symposium will be held in block 12 of the Technical University of Sofia.

A number of hotel rooms with special discount price will be reserved for the participants. Reservation can be made by filling a reservation form available on the ISTET web page and sending it by e-mail to the address: istet2019@tu-sofia.bg. Due to the limited number of hotel rooms booked for the conference participants, the reservation should be made as soon as possible. The recommended hotels are offering special prices (standard room, incl. breakfast). Please book your accommodation with the keyword: **ISTET2019**

The Technical University of Sofia is the largest educational and scientific complex in Bulgaria in the field of technical and applied science with an institutional accreditation grade of 9.5 (on the scale of 10) for the period 2012 – 2018. As the first and largest polytechnic center, which supported the establishment of most of the higher technical colleges in the country, it sets the educational standards and national priorities for the development of engineering education and science.



Bulgaria is a country in southeastern Europe. It is bordered by Romania to the north, Serbia and Macedonia to the west, Greece and Turkey to the south, and the Black Sea to the east. With a territory of 110,994 square kilometres (42,855 sq mi), Bulgaria is Europe’s 16th-largest country.

Sofia is the capital and largest city of Bulgaria. 1.3 million people live in the city and 1.7 million people live in its metropolitan area. The city is at the foot of Vitosha Mountain in the western part of the country. Being in the centre of the Balkan peninsula, it is midway between the Black Sea and the Adriatic Sea, and closest to the Aegean Sea.

