
◆ CALL FOR PAPERS

The ELMA 2023 organizers invite you to submit papers in the area of the conference topics. A two-pages extended abstract for each paper should be submitted via the conference management system. Shorter abstracts will not be processed. Abstracts will be reviewed by at least two reviewers. Each author can participate in up to three papers.

◆ SCOPE OF THE CONFERENCE

The first conference ELMA was held in Varna in November 1975. Originally the conference was conceived as a forum on electric machines. Gradually, the scope is extended and currently it includes all aspects of modern electrical engineering.

The main aim of the conference ELMA 2023 is to give an opportunity to academics, scientists, engineers, PhD students, manufacturers and users to discuss and exchange information about the results of their theoretical and experimental investigation, the utilization of new materials and application of new technologies in the field of electrical machines, drives, power electronics and power systems.

◆ VENUE

The 18th International Conference on Electrical Machines, Drives and Power Systems ELMA 2023 will be held in Varna,

◆ LANGUAGE

The working language of the conference is English.

◆ PAPER PRESENTATION

Papers will be presented in oral and poster sessions. Authors are asked to suggest the preferred form of presentation while the Program Committee will make the final decision.

Authors are expected to attend the conference in person to present their papers and share their ideas. Depending on the pandemic situation, the conference may be held in attendance, either online or mixed - in attendance and online.

◆ IEEE PUBLICATION

IEEE is the copyright holder of the Conference Proceedings. All accepted papers will be published in the Conference Proceedings and submitted to the IEEE *Xplore*® Digital Library, Scopus and Web of sciences databases. IEEE reserves the right to exclude a paper from distribution after the conference, including IEEE *Xplore*® Digital Library, if the paper is not presented by the author at the conference .

◆ TOPICS

- ◆ Rotating electrical machines and transformers
- ◆ Electrical drives, robotics and mechatronics
- ◆ Electric traction and electric vehicles
- ◆ Electrohydraulic power and control systems
- ◆ Actuators and sensors
- ◆ Control systems
- ◆ Power electronics and microelectronics
- ◆ Power systems
- ◆ Renewable energy sources and systems
- ◆ Energy efficiency and power quality
- ◆ Superconductivity
- ◆ Electrotechnology and electrical appliances
- ◆ Modeling and virtual engineering in electric industry
- ◆ Informatics, computer science and communications
- ◆ New materials and components in electric industry
- ◆ Management, marketing and entrepreneurship in electrical engineering and power industry
- ◆ Standardization and measurement in electric industry
- ◆ Education, teaching, multimedia, distance and e-learning
- ◆ Sustainable energy development

Further information can be obtained on the Conference Web Page: <http://elma.tu-varna.bg>

◆ ACCOMPANYING EVENTS

Companies are kindly invited to take part in the conference with presentations, innovations and sample demonstrations. To ensure participation, together with the application, please inform us about: the title of technical performance, the requested area and necessary voltage.

◆ DEADLINES

Extended abstract submission:	March 15, 2023
Notification of Acceptance:	April 10, 2023
Early registration fee deadline:	April 30, 2023
Receipt of Full Papers:	May 31, 2023

**2023 18-th INTERNATIONAL
CONFERENCE
ON ELECTRICAL MACHINES, DRIVES
AND POWER SYSTEMS (ELMA)**



**June 29 - July 1 2023
VARNA, BULGARIA**

Organized by:

**Union of Electronics, Electrical Engineering and
Telecommunications (CEEC)
IEEE Bulgaria Section**

with the support of
Technical University of Varna
Technical University of Sofia
Technical University of Gabrovo
University of Ruse
Federation of Scientific and Technical Unions

The 18-th International Conference ELMA 2023
is part of "Science Days of TU-Sofia" initiative of
Technical University of Sofia

◆ CONFERENCE CHAIRMEN

Vladimir LAZAROV Technical University of Sofia
Bohos APRAHAMIAN Technical University of Varna

◆ INTERNATIONAL PROGRAM COMMITTEE

Slavoljub ALEKSIC	Serbia
Ilcho ANGELOV	Bulgaria
Bohos APRAHAMIAN	Bulgaria
Kiril ALEXIEV	Bulgaria
Yvan AVENAS	France
Viktor BESPALOV	Russia
Gantcho BOJILOV	Bulgaria
Hartmut BRAUER	Germany
Nikolai CHRISTOV	France
Milan CHUNDEV	North Macedonia
Violeta CIUCUR	Romania
Victor ELISTRATOV	Russia
Masato ENOKIZONO	Japan
Bulent ERTAN	Turkey
Bruno FRANCOIS	France
George GROSS	Usa
Antonios KLADAS	Greece
Michal KOLCUN	Slovak republic
Sava KONTROV	Bulgaria
Pavel KURBATOV	Russia
Vladimir LAZAROV	Bulgaria
Afef LEBOUC	France
Jiří LETTL	Czech republic
Dmitry MAEVSKY	Ukraine
Iliana MARINOVA	Bulgaria
Gerard MEUNIER	France
Nikola MIHAILOV	Bulgaria
Gilles NOTTON	France
Cornel PANAIT	Romania
Gencho POPOV	Bulgaria
Emil RATZ	Bulgaria
Robert RATZ	Usa
Christian SCHAEFFER	France
Dietmar SCHMIDT	Germany
Wolfgang SCHROPPEL	Germany
Emil SOKOLOV	Bulgaria
Mile STANKOVSKI	North Macedonia
Petr TOMAN	Czech republic
Peicho TOMOV	Bulgaria
Hugo VALDERRAMA-BLAVI	Spain
Ivan YATCHEV	Bulgaria
Zahari ZARKOV	Bulgaria

◆ TECHNICAL PROGRAM COMMITTEE

CHAIRMAN:
Zahari ZARKOV CEEC, TU-Sofia

MEMBERS:
Valentina MARKOVA IEEE Bulgaria Section
Stefan PATCHEDJIEV CEEC
Ludmil STOYANOV TU-Sofia
Maik STREBLAU TU-Varna
Marin MARINOV TU-Varna

◆ LOCAL ORGANIZING COMMITTEE

CHAIRS:
Valentina MARKOVA
Mariya MARINOVA
Ludmil STOYANOV

MEMBERS:
Maik STREBLAU Violeta BOZHKOVA
Tatyana DIMOVA Hristo VALCHANOV
Janita SLAVOVA Yulian RANGELOV
Georgi ZHELEV Valentin GYUROV
Ilonka LILYANOVA Dragiya YANULOV
Marin MARINOV Chavdar ALEXANDROV
Marin TODOROV Miroslav MARINOV
Mariana TODOROVA

◆ REGISTRATION FEE

The registration fee is **300 EUR** for participation with up to three papers. It includes admission to Conference sessions, a copy of Conference Proceedings, coffee breaks, welcome cocktail, dinner. For additional paper the fee is **100 EUR**. Early registration fee is **250 EUR**. The reduced fee for students and for members of CEEC and IEEE is **250 EUR**.

◆ ADDRESS FOR CORRESPONDENCE

Bohos Aprahamian
For ELMA 2023
Technical University of Varna
Faculty of Electrical Engineering
Dept. of Electrical Engineering and Electrotechnology
1, Studentska Str.
9010 Varna, Bulgaria
Phone: (+359 52) 383 578
e-mail: bohos@tu-varna.bg

