

# The 15<sup>th</sup> National Conference

## Control in Power Electronics and Electric Drives - "SENE 2022"

Łódź, November 23-25<sup>th</sup>, 2022

organized by:

**INSTITUTE OF AUTOMATIC CONTROL, ŁÓDŹ  
UNIVERSITY OF TECHNOLOGY**

under the auspices of the Committee on Electrical Engineering  
Polish Academy of Sciences with the support of IEEE Polish  
Section, SEP Łódź branch and PTETIS Łódź branch

**The conference covers all topics related to power electronics and electric drives, in particular:**

- control methods for drive automation and power electronics,
- elements of control theory, methods of artificial intelligence and computer science inspired by applications in drive systems and power electronics,
- analysis, synthesis, modelling, simulation, and special topics of DC/AC converter drives,
- applications in robotics,
- traction drives and motion control applications,
- electrical machines,
- network control of distributed power systems or multi-drive systems,
- electromagnetic compatibility,
- reactive power compensation and other energy issues,
- redundant power supply,
- innovative applications of power electronics,
- diagnostics and education in the field of power electronics, drives and control,
- components for power electronics systems.

**The SENE'22 Program Committee consists of recognized scientists, professors, representing all Polish centers conducting research in the field of power electronics and automation of electric drives.**

**The Program Committee invites you to submit papers for the SENE'22 conference in two categories:**

### • Regular papers

A regular paper presents the results of original research work, following generally accepted standards in the discipline of Automatic Control, Electrical Engineering, and Electronics. Submitted articles will be reviewed by the Scientific Committee according to the requirements of the editors of the 'Przegląd Elektro-techniczny' journal (PE).

Subject to an appropriate copyright declaration and positive reviews of the Scientific Committee, after considering changes and additions made by the Authors after the conference, the paper will be accepted for publication in the PE and published in one of the first issues in the year 2023. The Scientific Committee maintains contact with the editorial offices of The Archives of Electrical Engineering and The Bulletin of the Polish Academy of Sciences: Technical Sciences, which will accept its recommendations regarding the publication of selected papers.

### • Short papers – late-breaking results

A short paper describes preliminary research results, hypotheses, or research plans. It should include the title, author information, keywords, abstract, and bibliography. It aims to presenting an interesting topic, as yet unpublished, for discussion at the conference. Following review, each short paper will be included in the conference proceedings, and should be presented during the conference.

### Competition for young scientists

The Scientific Committee will award the traditional prize sponsored by IEEE Poland Section for the best work presented by a young author at SENE'22. The Scientific Committee awards the prize based on, inter alia: opinions of reviewers, assessment of the session chairman, and acclaim by conference participants.

**Each paper submitted will be published in the conference proceedings, issued electronically with a unique ISBN.**

## Plenary speakers

Plenary talks will be delivered by,

- prof. Jing Sun, University of Michigan, US,
- prof. Mariusz Malinowski, WUT, Poland,
- prof. Maria Domenica Di Benedetto, L'Aquila (Italy).

## Registration

For conference registration and papers submission, please refer to the conference website [sene.p.lodz.pl](http://sene.p.lodz.pl)

The conference fee of 2400 PLN for each participant (2300 PLN for IEEE members) includes complete participation package, full board and accommodation starting from lunch on Wednesday till lunch on Friday.

## Deadlines

- Papers submission by **31.07.2022**
- Preliminary information on paper acceptance **5.09.2022**
- Deadline for submission of revised articles **19.09.2022**
- Conference fee payment by **15.09.2022**

## Place:

Hotel Ambassador Centrum

al. Marszałka Józefa Piłsudskiego 29, 90-307 Łódź

## Organising committee:

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