**JOHN ATANASOFF SOCIETY OF AUTOMATICS AND INFORMATICS, TECHNICAL UNIVERSITY OF VARNA, IEEE BY BULGARIAN SECTION and FEDERATION OF THE SCIENTIFIC ENGINEERING UNIONS**

organize

**IEEE INTERNATIONAL CONFERENCE AUTOMATICS AND INFORMATICS'2025 (ICAI'25), 09-11 October 2025, VARNA, BULGARIA**

**Conference Record #67591**

Event Format: **HYBRID** (In-person and Virtual)

## INVITATION

The International Conference Automatics and Informatics (ICAI) traditionally is held under the patronage of the President of the Republic of Bulgaria during the John Atanasoff days in October every year. The conference has over 55 years of history and has significantly contributed to the development of automation and computer technology in Bulgaria.

Since 2020 conference organizers are the John Atanasoff Society of Automatics and Informatics, Technical University of Varna, IEEE by Bulgarian section and Federation of the Scientific Engineering Unions in Bulgaria. The conference program for ICAI'24 includes: Plenary session, Invited symposia and Workshops, Scientific sessions, Young researchers school, Company presentations and Exhibitions. The purpose of the conference is to bring together international researchers and industrial practitioners interested in the development and implementation of modern technologies for automation, information, computer science, artificial intelligence and others.

The organizing committee of the conference is inviting interested researchers and professionals to submit papers describing significant scientific achievements and innovations in all scientific areas of the conference.

## PROGRAM COMMITTEE

**Honorary Chairs:** Acad. Vassil Sgurev, Bulgarian Academy of Sciences (BG);
Acad. Kiril Boyanov, Bulgarian Academy of Sciences (BG).
**Chair:** Acad. Mincho Hadjiski, Bulgarian Academy of Sciences (BG).
**Vice Chairs:** Prof. Kosta Boshnakov, University of Chemical Technology and Metallurgy (BG);
Prof. Dragomir Plamenov, Technical University of Varna (BG);
Prof. Lyudmila Mihaylova, University of Sheffield (UK);
Prof. Gancho Vachkov (BG);
Ilian Nenov, Anthill Ltd (BG).
**Publication Chair:** Prof. Valentina Markova, Technical University of Varna (BG).
**Publicity Chair:** Prof. Hristo Valchanov, Technical University of Varna (BG).
**Finance Chair:** Prof. Kosta Boshnakov, John Atanasoff Society of Automatics and Informatics (BG).

## ORGANIZING COMMITTEE

**Chair:** Prof. Nikola Nikolov, Technical University of Varna (BG).
**Vice Chairs:** Assoc. Prof. Mariela Alexandrova, Technical University of Varna (BG);
Assoc. Prof. Stanimir Yordanov, Technical University of Gabrovo (BG).
**Coordinator:** Dr. Reneta Parvanova, Technical University of Varna (BG).
**Secretary:** Mariana Dotsinska, John Atanasoff Society of Automatics and Informatics (BG).

## PAPER SUBMISSION

Working language of conference is English. The submission of papers is handled through the Easy Chair conference management system. You can access Easy Chair through the conference website http://icai-conf.org/index.php/en/paper-submission-

All submissions must follow the MS Word or LaTeX IEEE manuscript templates provided by IEEE eXpress Conference Publishing: http://icai-conf.org/index.php/en/paper-submission-

## REGISTRATION FEE (including VAT)

**Early registration: Until 30 September 2025**
- Regular fee: EUR **330**
- IEEE and SAI Members reduced fee: EUR **280**
- Students reduced fee: EUR **150** (only in case the publication is NOT co-authored by non-PhD students)

**Late registration From 30 September to 09 October 2025**
- Regular fee: EUR **350**
- IEEE and SAI Members reduced fee: EUR **310**
- Students reduced fee: EUR **190** (only in case the publication is NOT co-authored by non-PhD students)

**With one fee, each participant can send up to 2 papers, and for the third paper - an additional fee of EUR 100.**

**All papers have to be in their final form in a volume of maximum 6 pages. A person could be an author or a co-author of maximum 3 papers.**

To participate in the conference without a paper you need to pay 25 euros.

If the participants wish to participate in other events (gala dinner, organized excursion, etc.), they pay an additional fee.

## INDEXING

Accepted papers will be submitted for inclusion into **IEEE Xplore Digital Library**. All conference papers included in IEEE Xplore will be indexed in the **SCOPUS** database.

## DEADLINES

| | |
|---|---|
| Proposals for special sessions | **20.06.2025** |
| Paper submission | **27.07.2025** |
| Notification of acceptance | **05.09.2025** |
| Submission of papers in final form | **20.09.2025** |
| Early registration fee payment – before **30.09.2025** | |
| Final program | **25.09.2025** |

## TOPICS

- Data science
- Signal processing
- Industrial informatics
- Computer and communication systems and technologies
- Software systems and technologies
- Distributed parallel and grid computing and systems
- Artificial intelligence and intelligent systems
- Machine learning
- Cyber security
- Control theory
- Process control
- Control instrumentation and measurement
- Automation systems
- Monitoring, control and diagnosis of complex systems
- Bioautomatics, bioinformatics and biotechnologies
- Robotics
- Control of electromechanical and mechatronics systems
- e-Government
- e-Learning
- Applications

If the authors of accepted articles cannot travel due to objective circumstances, they will be able to make their presentation online and their article will be published in IEEE Xplore Digital Library everyone else.

For more details, please see the conference website http://icai-conf.org/