



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'2022 (ICAI'22), 6-8 October 2022, VARNA, BULGARIA**  
Conference Record # 55857 [https://conferences.ieee.org/conferences\\_events/conferences/conferencedetails/55857](https://conferences.ieee.org/conferences_events/conferences/conferencedetails/55857)

**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 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'22 includes: Plenary session, Invited symposia and Workshops, Scientific sessions, Young researchers school, Poster session and 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.

**INTERNATIONAL PROGRAM COMMITTEE**

- Honorary Chairs:** Acad. Janusz Kacprzyk, Polish Academy of Science (PL),  
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. Vencislav Valchev, Technical University of Varna (BG),  
Prof. Kosta Boshnakov, University of Chemical Technology and Metallurgy (BG)  
Prof. Gancho Vachkov, Baku Higher Oil School (AZ)
- Vice Chair for Publications:** Prof. Alexander Gegov, University of Portsmouth (UK)
- Vice Chair for Industry:** Valeri Andreev, Systems, Automation, Technologies Ltd (BG)

**NATIONAL ORGANIZING COMMITTEE**

- Chair:** Nikola Nikolov, Technical University of Varna (BG),
- Vice Chairs:** Valentina Markova, Technical University of Varna (BG),  
Hristo Valchanov, Technical University of Varna (BG)  
Mariela Alexandrova, Technical University of Varna (BG),  
Stanimir Yordanov, Technical University of Gabrovo (BG)
- Coordinator:** Zhivko Zhekov, Technical University of Varna (BG)
- Secretary:** Evgenia Dimitrova, 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-> or <https://www.ieee.org/conferences/publishing/templates.html>

**REGISTRATION FEE (including VAT)**

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|---|---|
| <b>Early registration: Until 18 September 2022</b>  | <b>Late registration From 19 September to 06 October 2022</b>   |
| ○ Regular fee: EUR 300  | ○ Regular fee: EUR 360  |
| ○ IEEE and SAI Members reduced fee: EUR 240   | ○ IEEE and SAI Members reduced fee: EUR 300   |
| ○ Students reduced fee: EUR 120 (only in case the publication is NOT co-authored by non-PhD students) | ○ Students reduced fee: EUR 180 (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 80.**

**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 of 3 papers.**

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

**If the authors of accepted articles cannot travel due to a COVID-19 emergency, they will be able to make their presentation online and their article will be published in IEEE Xplore Digital Library like everyone else.**

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

**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	<b>12.06.2022</b>
Paper submission	<b>31.07.2022</b>
Notification of acceptance	<b>15.09.2022</b>
Presentation of papers in final form	<b>25.09.2022</b>
Early registration fee payment – before	<b>30.09.2022</b>
Final program	<b>30.09.2022</b>

**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 and control of complex systems
- Bioautomatics, bioinformatics and biotechnologies
- Robotics and mechatronics
- Electrical drive and control systems
- e-Government
- e-Learning
- Applications