

IS'26: 13th IEEE International Conference on Intelligent Systems



The 13th IEEE International Conference on Intelligent Systems (IS'26, IEEE Conference Number 71416) was held at the Cherno More Hotel – Varna from 3 to 5 September 2026, organised by IICT-BAS together with the John Atanasoff Society of Automatics and Informatics and the Bulgarian Association of Intelligent Systems. It brought together 261 authors from nearly 80 institutions in 34 countries: Austria, Azerbaijan, Bangladesh, Brazil, Bulgaria, Canada, Chile, China, the Democratic Republic of the Congo, Egypt, France, Ghana, Greece, India, Iraq, Japan, Kazakhstan, Latvia, Malaysia, Nigeria, Oman, Pakistan, the Philippines, Portugal, Romania, Saudi Arabia, Switzerland, Tunisia, Turkey, Uganda, the United Arab Emirates, the United Kingdom, the United States and Viet Nam.

The conference was opened by Acad. Vassil Sgurev.

Papers were presented in the following thematic areas: machine learning, explainable AI (XAI), trustworthy and ethical AI, data science and knowledge discovery, knowledge representation and reasoning, intelligent agents, intelligent decision-making systems, bio-inspired and evolutionary intelligence, intelligent pattern and signal processing, human-machine interaction, the Internet of Things, intelligent cybersecurity, intelligent control and measurement, digital health and bioengineering, education and intelligent tutoring, energy and power systems, industrial and manufacturing systems, intelligent transportation systems, smart cities and urban computing, and telecommunication and networked systems



The Organizing Committee extends special thanks to the invited speakers Academician Janusz Kacprzyk (Systems Research Institute, Polish Academy of Sciences, Poland), Prof. Guy De Tré (Ghent University, Belgium) and Prof. Alexander Gegov (University of Portsmouth, United Kingdom). The Committee also thanks the authors, reviewers and session chairs, the technical team, and the conference organisers and sponsors.

