The Institute of Electrical and Electronics Engineers, Inc.

◆IEEE

Intelligent Systems IEEE IS'24 :
A combined in person and distant IEEE Conference. IEEE Number 61756

Organized by

IEEE IM/CS/SMC Joint Chapter of Bulgaria • IEEE CIS Chapter – Bulgaria • IEEE Section – Bulgaria
Society of Automatics and Informatics "John Atanasoff" • University for Library Studies and Information Technologies – Sofia, Bulgaria
Institute of Information and Communication Technologies – BAS, Sofia, Bulgaria

29-31 August 2024, Varna, Bulgaria, http://www.ieee-is.org

INVITATION

Building upon the success of IS'02, IS'04, IS'08, IS'12, IS'16, IS'20 (held in Sofia and Varna, BG), IS'06, IS'10 (held in London, GB), IS'14, IS'22 (held in Warsaw, PL) and IS'18 (held in Funchal, Madeira Island, PT) the **12th IEEE International Conference on Intelligent Systems IS'24** shall continue the tradition of bringing together top specialists in the broad area of intelligent systems. This forum is an opportunity for scientists from all over the world to share ideas and achievements in the theory and practice of data science, intelligent control, artificial intelligence, neural networks, soft computing, data mining and knowledge discovery, machine (deep) learning, intelligent measurement, etc. Presentations should highlight contemporary intelligent systems as a concept that combines theoretical research and applications in automation, information technologies and measurement. All aspects of intelligent systems are of interest: theory, algorithms, tools, and applications.

In addition to the main sessions, the conference timetable shall be concerted with several other symposiums, workshops, poster sessions, tutorial courses, student session, etc., in similar scopes, which will take place before, during and after the end of the IEEE IS'24. IS'02 up to IS'22 established as scientific forums that gather only quality papers and presentations that meet high scientific standards. Following the tradition, all submitted original papers to IS'24 shall be carefully reviewed for possible inclusion in the Conference Proceedings. After the Conference, a selected number of best papers shall be expanded and revised for possible inclusion in well-known Journals or Springer books.

MAIN TOPICS RELATED TO IS

Advanced Analytics
Artificial Intelligence
Autonomous Systems
Big Data
Bio-Inspired Intelligence
Brain Modelling and Simulation
Cognitive Systems
Computational Finance and Economy
Computational Intelligence
Cyber Physical Systems
Data Analytics
Knowledge Discovery
Data Science
Deep Learning
Evolutionary Computation
Evolving Systems
Fuzzy Sets and Systems
Generalized Nets

Evolutionary Algorithms
Human-Machine Interaction
Transformers
Intelligent Cybersecurity
Intelligent Behaviour
Intelligent Control
Intelligent Decision Making Systems
Intelligent Information Processing
Intelligent Measurement
Intelligent Pattern Recognition
Internet of Things
Intuitionistic Fuzzy Sets
Chatbots
Machine Learning
Mathematical Modelling
Neural Networks
Networked Systems

***Application areas*:**
• Augmented Reality
• Robotics
• Data Processing
• Cybersecurity
• Intelligent System Design
• Education, e-/m-Learning
• Business & Finance
• Cyber-Physical Systems
• Industry 4.0
• Telecommunication
• Transportation
• Health, Medicine and Bioengineering
• Power Industry
• Modelling, Preprocessing
• Knowledge Based Systems
• Environmental Engineering

COPYRIGHT CONDITIONS

Sponsored by:

IEEE CIS Chapter of Bulgaria   IEEE IM/CS/SMC Joint Chapter of Bulgaria   Society of Automatics and Informatics "John Atanasoff"

Technically co-sponsored by:

IEEE Region 8   IEEE Section – Bulgaria

TECHNICAL PROGRAM COMMITTEE

Honorary Chairs: V. Sgurev (BG), R. Yager (US)
Conference Chairs: V. Piuri (IT), V. Jotsov (BG), R. Yoshinov (BG)
Program Chairs: J. Kacprzyk (PL), M. Hadjiski (BG), A. Sachenko (US,UA), L. Doukovska (BG)
Student Activities: D. Kanev   Industry & Awards: P. Mendonça (PT), I. Kostova (BG)   Publications: E. Dimitrova

M.A.Ahmad (MY)	A. Gegov (UK)	L. Koczy (HU)	N. Nikolova (AUS)	M. Saari (FI)	N. Md Tahir (MY)
B. Aloitabi (SA)	P. Georgieva (PT)	A. Kordon (US)	E. Oja (FI)	A. Sala (ES)	M. Thuillard (CH)
K. Atanasov (BG)	R. Goncalves (PT)	M. Krawczak (PL)	L. Oneto (IT)	D. Sanders (UK)	A. Topalov (BG)
M. Bianchini (IT)	S.S. Guru (IN)	V. Kreinovich (US)	G. Papadopoulos (CY)	I. Sarker (AU)	E. Tulunay (TR)
I. Bukovsky (CZ)	P. Hajek (CZ)	R. Kruse (DE)	W. Pedrycz (CA)	M. Satymbekov (KZ)	M. Tulenbayev (KZ)
H. Bustince (ES)	F. Herrera (ES)	R. Donida Labati (IT)	R. Peleschak (UA)	R. Shadiev (CN)	G. Ulutagay (TR)
F. Čapkovic (SK)	K. Ito (JP)	K. Leiviska (FI)	P. Petrova (BG)	F. Schneider (DE)	G. Vachkov (BG)
O. Castillo (MX)	L. Jain (UK)	M. Mansurova (KZ)	G. Piandosi (IT)	A. Shankar (UK)	P. Vidnerova (CZ)
P. Chountas (UK)	I. Jordanov (UK)	K. Masashi (JP)	I. Popchev (BG)	A. Shannon (AU)	A. Villa (CH)
P. Coscia (IT)	N. Kasabov (NZ)	P. Melo-Pinto (PT)	R.-E. Precup (RO)	N. Shakev (BG)	D. Wildermuth (DE)
W. Dai (US)	M. Kaufmann (CH)	L. Michailova (UK)	A. Razaque (US)	T. Soffer (IL)	T. Yildirim (TR)
G. Dimirovski (MK)	N. Kerimbayev (KZ)	A. de Miguel (ES)	O. Roeva (BG)	J. Suykens (B)	H. Zhu (CA)
A. Dourado (PT)	N. Kussul (UA)	V. Mladenov (BG)	B. Rusyn (UA)	E. Szmidt (PL)	
M. Garvanova (BG)		J. Montero (ES)			

Conference Committee

Chairs of Org. Committee: L. Doukovska, K. Boshnakov (BG)
Industry & Liaison Chairs: A. Kordon (US), P. Bykovyy (UA)   Publication Chairs: J. Kacprzyk (PL), V. Jotsov (BG)
Financial Chair: G. Vachkov (BG)

Members: *D. Bojadzhiev*, *E. Dimitrova, P. Petrov, E. Djambazova, I. Radeva, V. Terzieva, T. Radeva*

SUBMISSION OF PAPERS

Prospective Authors of papers are invited to submit a paper via EDAS following the Instruction for authors on the conference website.

Each paper will be reviewed by considering originality, relevance with respect to the scope of the conference, quality of the technical content, structure, language, and writing style. The final manuscript must be accompanied by a registration form and a full registration fee payment proof.

The accepted papers presented at the Conference will be submitted for inclusion in the IEEE Xplore Digital Library.

Correspondence:

All correspondence must be directed to:

Full Prof.G. Vachkov
POB 161, Sofia 1113, Bulgaria, EU   E-mail: gancho.vachkov@gmail.com

TPC contact: Hadjiski: bgimcssmc@gmail.com

FEES

Registration Fees:

	Registration before 15 June 2024	After 14 June 2024
IEEE Members	350 €	400 €
Non-IEEE Members	400 €	450 €
Student IEEE members:	300 €	350 €

Deadlines for late registration papers:

Papers Submission Deadline	30 June 2024
Notification of acceptance:	10 July 2024
Submission of final papers:	16 July 2024
Early registration is closed for draft papers submitted after May 3, 2024	

LOCATION

The Conference venue is hotel Cherno More in Varna, the hotel is located near the sea park, and then the beach and close to a zone of beautiful natural parks across the sea line. There are a plenty of possibilities to make a direct connection from the conference venue to St.St. Constantine and Helena and to Golden Sands resorts. Detailed information about the region is available from http://ieee-is.org (hotels). The venue is around 10 km far from the Varna international airport. There is a direct bus 409 connection to the venue. It is on a city route to the airport/railway/bus station with a regular bus transport. There are available different car service facilities at the hotel. You are welcome to write us and we can help you with the organization of the local transportation and/or planning your personal schedule concerning different Conference activities.

More details to be announced on the permanent conference website http://www.ieee-is.org