

## 2026 IEEE ICCP

# 2026 IEEE 22<sup>nd</sup> International Conference on Intelligent Computer Communication and Processing

October 22-24, 2026, Cluj-Napoca, Romania  
<http://www.iccp.ro>



### Aims and Scope

The goal of the 2026 IEEE 22<sup>nd</sup> International Conference on Intelligent Computer Communication and Processing is to bring together researchers, engineers and practitioners working towards improving the power of both communication and processing software using the most advanced intelligent methods available today.

The growing toolkit of AI - computer vision, natural conversation, and machines that learn over time—has the potential to enhance almost the entire economic and social life. The driving forces of this development are the increased volumes of data, the continuously growing of communication, processing, storage capabilities and the new machine learning techniques especially deep learning and reinforcement learning algorithms.

The fast development of artificial intelligence and its applications implies more advanced but also more secure artifacts, which require the intelligent computer communication and processing technologies to improve at a high pace.

### Topics

*Technical tracks include, but are not limited to:*

**Intelligent Systems:** Agent and Multi-agent based Systems; Knowledge Representation; Reasoning and Engineering; Ontology Modeling and Mediation; Natural Language Processing and Understanding; Web and Knowledge-based Information Systems; Agentic AI

**Deep Learning:** CNN; GNN, Transformers; Theoretical contributions to Supervised Learning, Semi-supervised Learning, Self-supervised Learning, Unsupervised Learning, Reinforcement Learning; Multimodal models; Neuro-symbolic Processing; Continual Learning; Synthetic Data based Learning; Domain Adaptation; Explainable AI.

**Deep Learning Based Computer Vision:** Image Processing; Image Enhancement; Feature extraction; Semantic, Instance and Panoptic Segmentation; Optical Flow; Stereovision and 3D Reconstruction; Monocular Depth Estimation; Motion; 2D and 3D Object Detection, 3D Point Cloud Processing, Tracking and Recognition; Multi-sensor and temporal fusion; Environment Representation; Risk Assessment.

**Perception Applications:** Video-based Question Answering, Driving Assistance Applications; Autonomous Vehicles; Autonomous Drones; Robotic Applications; Biomedical Image Analysis.

**Multidisciplinary Topics and Applications:** Hardware & AI Technologies, Smart Cities, Cybersecurity and Space, AI based Medicine and Healthcare, AI for the Environment.

**Intelligent Distributed Computing and Networking:** Cloud Computing, Context Aware; Autonomic Computing; Resource Coordination and Management; Quality of Service; Queuing Network Models; Pervasive Computing; Grid Computing; Fault Tolerance; Cooperative Applications.

## Keynote Speakers

Prof. Dr. Mihai Surdeanu, Computer Science professor at the University of Arizona, USA  
PD Dr. Victor Pankratius, Robert Bosch GmbH, Germany

## Tentative Special Sessions

**Automated Driving:** organized by Technical University Cluj-Napoca, RO

**AI for the Future Energy System:** organized by Technical University Cluj-Napoca, RO

*\* ICCP 2026 welcomes proposals for special sessions on focused topics within the scope of the conference (deadline 10 May 2026)*

## Tentative Workshops

**Trusted Artificial Intelligence:** supported by the project "Romanian Hub for Artificial Intelligence -HRIA", Smart Growth, Digitization and Financial Instruments Program, MySMIS no. 334906.

**Intelligent and Autonomous Systems:** supported by the project "Romanian Hub for Artificial Intelligence -HRIA", Smart Growth, Digitization and Financial Instruments Program, MySMIS no. 334906.

**AI for Medical Imaging and Diagnosis:** supported by the project "Romanian Hub for Artificial Intelligence -HRIA", Smart Growth, Digitization and Financial Instruments Program, MySMIS no. 334906.

*\* ICCP 2026 welcomes proposals for workshops on emerging research areas related to the conference topics (deadline 10 May 2026)*

## Industrial Track

The industrial track is an excellent modality for companies working in the conference domains to advertise and promote their innovative products and services, connect with other companies and engage in discussions about research and development initiatives.

### Important Dates

**Submission of papers:** July 15, 2026

**Industrial track proposals:** July 6, 2025

**Special sessions and workshops proposals:** May 10, 2026

**Notification of acceptance:** September 8, 2026

**Accepted Camera-ready papers due:** September 22, 2026

**Author registration due:** September 22, 2026

### Publication

Papers should not exceed 8 pages and should comply with IEEE formatting (8.5"x11", two-column). Accepted papers will be included in the 2026 IEEE ICCP Proceedings and will be submitted for possible inclusion in IEEE Xplore digital library and other indexing organizations such as Scopus and Web of Science.

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