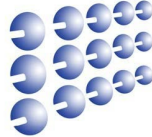


2020 IEEE ICCP

2020 IEEE 16th International Conference on Intelligent Computer Communication and Processing

September 3-5, 2020, Cluj-Napoca, Romania

<http://www.iccp.ro>



* Depending on the evolution of the COVID-19 pandemic,
ICCP 2020 could become a live online conference.

Aims and Scope

The goal of the 2020 IEEE 16th 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 artificial intelligence techniques available today. The topics of the conference are focused on AI based solutions for intelligent systems, computer vision, distributed computing and networking.

Topics

Technical tracks include, but are not limited to:

Intelligent Systems:

Agent-based and Multiagent Systems; Knowledge Representation, Reasoning and Engineering; Ontology Modeling and Mediation; Machine Learning; Natural Language Processing; Multidisciplinary Topics and Applications, Web and Knowledge-based Information Systems; Systems and Organization.

Computer Vision:

Image Processing Techniques and Methods; Segmentation and Features; Stereovision and 3D Reconstruction; Motion, Optical Flow and Tracking; Statistics and Machine Learning for Vision; Object Recognition; Deep Learning, Perception and Representation; Driving Assistance Applications; Autonomous Driving, Vision-based Robotic Applications; Biomedical Image Analysis, Semantic Media Annotation.

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.

Special Sessions

Deep Learning Based Perception for Autonomous Systems – organized by Technical University Cluj-Napoca

Deep Learning Based Control for Autonomous Systems – organized by Technical University Cluj-Napoca

HiPerGRID – organized by Politehnica University of Bucharest

Workshops

Integrated Semantic Visual Perception and Control for Autonomous Systems: organized by Technical University Cluj-Napoca, in the framework of the PN-III-P4-ID-PCCF-2016-0180 SEPCA project

Bosch Workshop in Autonomous Driving: organized by Robert Bosch Romania.

Keynote Speakers

Daniela Rus, the Andrew (1956) and Erna Viterbi Professor of Electrical Engineering and Computer Science and Director of the Computer Science and Artificial Intelligence Laboratory (CSAIL) at MIT.

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: June 15, 2020

Industrial track proposals: June 1, 2020

Notification of acceptance: July 20, 2020

Camera-ready papers due: July 31, 2020

Author registration due: July 31, 2020

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 2020 IEEE ICCP Proceedings and will be available in IEEE Xplore digital library. They will also be submitted for indexing in Web of Science and Scopus.

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