



11th International Symposium on Intelligent Distributed Computing (IDC 2017) - IFIP supported event

October 11-13, 2017, Belgrade, Serbia, <http://idc2017.pmf.uns.ac.rs/>

CALL FOR PAPERS

Scope and Background

The main objective of the IDC series of symposiums is to provide a forum for the dissemination of research accomplishments in the emergent field of Intelligent Distributed Computing, as well as to promote the collaboration between researchers from Intelligent Computing and Distributing Computing communities. The symposium welcomes submissions of original papers on all aspects of intelligent distributed computing ranging from concepts and theoretical developments to advanced technologies and innovative applications.

CONFERENCE AREAS

Intelligent Distributed Frameworks and Architectures

- Methodologies for intelligent distributed systems and applications
- Autonomous agents and multiagent systems
- Distributed problem solving and decision making
- Hybrid systems involving software agents, robots and human actors
- Distributed frameworks and middleware for the Internet of Things
- Pervasive computing and Context-aware intelligent computing
- Virtualization infrastructures for intelligent computing

Organization and Management

- Self-organizing distributed and multiagent systems
- Autonomous and adaptive distributed systems
- Emerging and collective behaviors in complex distributed systems
- Modeling and simulation of intelligent distributed systems
- Intelligent integration of heterogeneous data and processes
- Bio-inspired and nature-inspired distributed computing

Intelligent Distributed Knowledge Representation and Processing

- Intelligence in mobile and ubiquitous computing
- Agent-based sensor networks
- E-service and web intelligence
- Intelligence in peer-to-peer systems
- Security, privacy, trust and reputation

Networked Intelligence

- Information extraction and retrieval in distributed environments
- Knowledge integration and fusion from distributed sources
- Data mining and knowledge discovery in distributed environments
- Ontologies/meta-data for heterogeneous resources and services
- Distributed fusion of sensor data streams

Intelligent Distributed Applications

- Ambient intelligence
- Applications in e-business/e-commerce, e-learning, e-health, e-science, e-government
- Crisis management
- Intelligent grid and cloud infrastructure
- Simulations of groups and crowds
- Mobile robots

SUBMISSION OF PAPERS AND SPECIAL SESSIONS

Evaluation Process

Paper acceptance and publication will be judged on the basis of their relevance to the symposium themes, clarity of presentation, originality and accuracy of results and proposed solutions. All accepted papers will be included in the Symposium Proceedings, which will be published by Springer as part of the series Studies in Computational Intelligence. Submissions must conform to Springer's style for Proceedings and Other Multiauthor Volumes and should not exceed 10 pages. Submissions and reviews will be handled by EasyChair.

The technical program of the IDC 2017 will also include **Special Sessions**. More details for Special Sessions Proposals you can find at <http://idc2017.pmf.uns.ac.rs/sessions.php>.

Authors of the best papers presented in the Symposium will be invited to submit extended versions of their papers in the following Journals:



ComSIS – Computer Science and Information Systems (IF: 0.623)



Information Technology and Control (IF: 0.633)

CONFERENCE ORGANIZATION

General Chairs

- Mirjana Ivanović, University of Novi Sad, Serbia
- Costin Bădică, University of Craiova, Romania

CONFERENCE VENUE

The symposium will be held in Belgrade at the School of Electrical Engineering. The School of Electrical Engineering, together with the School of Civil Engineering and the School of Architecture, is located in one of the most beautiful buildings of the University of Belgrade in Kralja Aleksandra Boulevard 73.

Important Dates

- Paper submission deadline: April 4, 2017
- Notification of acceptance: May 13, 2017
- Camera-ready papers: May 29, 2017
- Registration: July 15, 2017

Program Committee Chairs

- Jürgen Dix, Clausthal University of Technology, Germany
- Michele Malgeri, University of Catania, Italy
- Zoran Jovanović, University of Belgrade, Serbia