



8th International Symposium on Intelligent Distributed Computing

IDC 2014

<http://aida.ii.uam.es/IDC2014>

Organized by:

**Applied Intelligence & Data Analysis
Computer Science Department
Autonomous University of Madrid, Spain**

General Chair: David Camacho

**Steering Organization: Costin Badica
University of Craiova, Romania**

Intelligent Distributed & High-Performance Architecture

- Hybrid systems involving software agents and human actors
- Intelligent grid and cloud infrastructures
- Agent-based wireless sensor networks
- Distributed frameworks and middleware for the Internet of Things
- GPU, multicore, and many-core intelligent computing
- Intelligent high-performance architectures
- Context-aware intelligent computing
- Virtualization infrastructures for intelligent computing
- Bio-inspired and nature-inspired distributed computing

Organization and Management

- Intelligent service composition and orchestration
- Self-organizing, autonomic & adaptive distributed systems
- Emerging and collective behaviors in complex distributed systems
- Intelligent integration of heterogeneous data and processes
- Methodologies for intelligent distributed systems & applications

Intell. Distrib. Knowledge Representation & Processing

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

Networked Intelligence

- E-service and web intelligence
- Intelligence in mobile and ubiquitous computing
- Intelligence in peer-to-peer systems
- Intelligence in distributed and networked multimedia systems
- Security, privacy, trust and reputation

Intelligent Distributed Applications

- Distributed problem solving and decision making
- Applications in e-business/e-commerce, e-learning, e-health, e-science, e-government, crisis management
- Modeling and simulation of intelligent distributed systems
- Simulations of groups and crowds
- Intelligent data processing & intelligent robots

Important dates:

- Full paper submission: March 3, 2014
- Notification of acceptance: April 11, 2014
- Final (camera ready) paper due: May 25, 2014
- Symposium: September 3-5, 2014

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September 3-5, 2014

Madrid, Spain



While *Intelligent Computing* develops methods and technology ranging from classical artificial intelligence, computational intelligence and multi-agent systems to game theory, *Distributed Computing* develops methods and technology to build systems that are composed of collaborating components.

The emergent field of *Intelligent Distributed Computing* focuses on the development of a new generation of intelligent distributed systems. It faces the challenges of adapting and combining research in the fields of *Intelligent Computing* and *Distributed Computing*.

All accepted papers will be included in the Symposium Proceedings, which will be published by Springer as part of their series Studies in Computational Intelligence. <http://www.springer.com/series/7092>
The best papers will be considered for publication in a Special Issue of an IF journal.