



# 10th International Symposium on Intelligent Distributed Computing IDC 2016

October 10-12, 2016

## Organized by

Laboratoire d'Informatique  
de Paris 6  
University Pierre and Marie  
Curie

## General Chairs

Amal El Fallah Seghrouchni  
Costin Badica

## Important Dates

Full paper submission:

~~February 29, 2016~~  
**April 4, 2016**

Notification of acceptance:

~~April 25, 2016~~  
May 9, 2016

Camera ready paper due:

~~May 23, 2016~~  
May 30, 2016

Symposium:

October 10-12, 2016

## Website

<http://idc2016.lip6.fr/>

## Contact

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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. Papers must have at most 10 pages length and must be formatted according to Springer format for Proceedings and Other Multiauthor Volumes (Latex only) available at:

<http://www.springer.com/series/7092>



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. Symposium topics include, but are not limited to:

#### **Intelligent Distributed Frameworks and Architectures**

- Methodologies for intelligent distributed systems & 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 & Processing**

- Information extraction & 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 & services
- Distributed fusion of sensor data streams

#### **Networked Intelligence**

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

#### **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