Instructions for Authors

Full papers should count about **5000 words** based on style IEEE.

Authors should submit their papers by EasyChair

Proceedings will be published online as CEUR Workshop Proceedings

Important dates:

- Paper submission deadline:
  May, 20, 2017
- Notification:
  June, 1, 2017
- Camera Ready:
  June, 7, 2017
- Workshop:
  June, 15-17, 2017

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18th edition of the International Workshop "From Objects to Agents"

15-17 June 2017
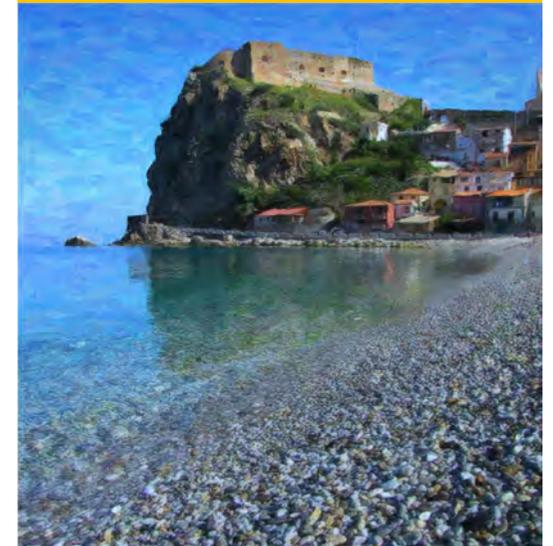
"Agents in Online Social Networks"

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18th International Workshop
"From Objects to Agents"

15-17 June 2017

Ruffo Castle
Scilla (Reggio Calabria)
Italy

WOA2017.UNIRC.IT

CALL FOR PAPERS

The topic for WOA 2017 is **"Agents in Online Social Networks"**.

Nowadays, Online Social Networks (OSNs) are definitively emerging as virtual environments in which key activities are developed (e.g. e-Commerce, e-Learning, e-Health and Smart Cities) and provide users with large spaces of interactivity suitable to convoy both content and services.

In this context, the necessity of automatizing the activities, giving the users the possibility to interact effectively and efficiently with each other is particularly pressing, making OSNs a key context in which the use of software agents appears suitable and promising. In the last years, many proposals have been presented in the scientific literature for applying agent technology to OSN applications as, for instance, agent-based recommender systems, multi-agent systems for supporting OSN activities in a wide number of areas, and agent architectures for implementing security and privacy in OSNs.

Several important, open research issues have been recently highlighted in such a context. As main examples, we remark the necessity to design effective, ad-hoc models for capturing trust and reputation of OSN users, finding strategies for implementing cooperation and forming user teams and coalitions, and developing rational models for supporting the internal organization of an OSN.

Authors are invited to submit research papers with regards to the following areas:

- Identifying the challenging problems that still need to be solved in this particular scenarios.
- Proposing new framework to design robust architecture for agent-based systems in OSNs
- Proposing new agent-based OSN services
- Middlewares aimed at designing new communication protocols for agent-based systems in OSNs
- Solutions for data storage and optimization in networks of agents
- Mobile agent technologies in OSN environments
- Trust, privacy & security of agent-based related to OSN applications

Moreover, the following list of topics are welcome:

- Adaptive, animated and personality driven agents
- Agents and objects
- Agents and supporting technologies to cooperation
- Agents integrated with the Web
- Mobile agents
- Agents for e-commerce
- Agents and Sensor networks
- Learning, planning and reasoning
- Applications Agents at
- Coordination, cooperation and communication
- Hardware and software infrastructures
- Theoretical, conceptual and ontological basis
- Agent based software engineering
- Agent based languages and platforms
- Agent-oriented methods and development tools
- Relations between agents and different development technologies
- Security, trust and responsibility
- Standard and interoperability

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