

Special Session on Intelligent Agents
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The intersection between Computational Intelligence and Agent technology opens new significant scenarios in many fields where the representation and management of complex systems play a fundamental role. In the formulation of Agent-based systems, the role of uncertainty is crucial for an efficient and coherent resolution of complex problems. Agents overcome classical programs thanks to their inner capabilities to be autonomous and to adapt their behaviour with the changing of the environment where agents live and interact. This means that inevitably they meet uncertainty during their work, or in many cases, for the high complexity of the problem, the information they handle is (or needs to be) approximate.

Only in recent years there has been a growing awareness that Computational Intelligence handling of uncertainty in agents is equally important as other features of agent paradigm. The aim of this special session is to present top quality research in the area of theory and applications of Intelligent Agents. The session will also provide a forum for the academic community and industry to report on the recent advances on the area. We expect high quality original research in the area. Topics include, but are not limited to theory and application of :

- Embedded Agents
- Mobile Agents
- Agents for Intelligent Manufacturing Systems
- Agents for Knowledge Discovery and Knowledge Management
- Agents for Ambient Intelligence
- Agents for E-Commerce
- Agents for Dialogue Systems
- Agents for Intelligent Avatars
- Environment-aware Agents
- Holonic Agents
- Semantic Web Agents
- Human Agent Interaction
- Agents for Smart Environments
- Agents for Cooperative Intelligent Systems
- Middleware Agents

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