



<http://fuzzieee2011.nutn.edu.tw/> or <http://www.fuzz-ieee2011.org/>

Call for Papers

Special Session on **Fuzzy Ontologies and FML Applications**

It is widely pointed out that classical ontology is not sufficient to deal with imprecise and vague knowledge for some real world applications like personal diabetic diet recommendation. On the other hand, fuzzy ontology can effectively help to handle and process uncertain data and knowledge. Recently, the research on the ontology has been spread widely to be critical components in the knowledge management, Semantic Web, business-to-business applications, and several other application areas. Ontologies are a suitable way for representing complex knowledge and facilitating knowledge share and reuse. The concept of ontology has been widely embraced by the fuzzy research community by playing an important role in the development of distributed systems and the composition reveals a vital strategy for enterprise collaboration. In this context, the Fuzzy Markup Language (FML) is one of the most important results because it allows fuzzy scientists to express their ideas in abstract and interoperable way by improving their productivity and, at the same time, increasing the average quality of their works. This special session invites high-quality conceptual, analytical and empirical articles representing intelligent agent and knowledge mining information systems and their integration. The objective of the proposed special issue is to highlight an ongoing research on fuzzy and FML approaches for ontology applications as well as their applications on various domains.

● **Topics of interest (not limited to)**

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| ◆ Ontology and Ontological Agents | ◆ Semantic Web Agents |
| ◆ FML Agents for Software Engineering | ◆ Healthcare Ontological Agents |
| ◆ FML Agents for Knowledge Discovery | ◆ Agents for Knowledge Management |
| ◆ FML Agents in a Neuro Fuzzy Approach | ◆ Embedded Agents |
| ◆ Environment-aware Agents | ◆ FML Agents for E-Commerce |
| ◆ Agents for Intelligent Manufacturing Systems | ◆ FML Agents for Smart Environments |
| ◆ Intelligent Agent Applications | ◆ FML Agents for Ambient Intelligence |
| ◆ Knowledge Representation with Ontology | ◆ Knowledge Sharing with FML Agents |
| ◆ FML in Evolvable Hardware | ◆ Distributed Mining with FML Agents |
| ◆ Knowledge-Based Systems | ◆ Web Services Applications based on FML |
| ◆ Semantic Interoperability | ◆ FML Applications |

● **Important Dates**

January 15, 2011: Deadline for submission of papers (full-length papers only)

March 31, 2011: Notification of acceptance

April 30, 2011: Submission of final camera-ready papers

● **Session Organizers:**

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