

The 2011 International Conference on Knowledge Science, Engineering and Management provides a leading international forum for the sharing of views, ideas and original work among researchers, practitioners and developers to enlighten new insights into KSEM-related areas. The conference attracts numerous high quality, state-of-the-art research papers from all over the world. KSEM2011 to be held in Irvine, California, USA is the fifth in the conference series, following four successful events in Guilin, China (KSEM'06), Melbourne, Australia (KSEM'07), Vienna, Austria (KSEM'09) and Belfast, Northern Ireland (KSEM'10). You are invited to submit papers that are original and not yet published. The topics of interest include but are not limited to:

### Knowledge Science

- Knowledge representation and reasoning
- Logics of knowledge;
- Formal analysis of knowledge;
- Knowledge complexity and knowledge metrics
- Reasoning about knowledge in the presence of inconsistency, incompleteness, context-dependency
- Commonsense knowledge and uncertainty in knowledge
- Cognitive foundations of knowledge
- Knowledge in complex systems and multi-agent systems
- Formal ontology

### Knowledge Engineering

- Knowledge extraction
- Knowledge integration
- Knowledge-based software engineering
- Knowledge-based systems in life sciences
- Conceptual modeling in knowledge-based systems
- Semantic database systems and semantic Web
- Content engineering and ontological engineering
- Implementation issues in KBS
- Service-oriented knowledge engineering
- Geo-knowledge engineering

### Knowledge Management

- Knowledge creation and acquisition
- Knowledge verification and validation
- Knowledge dissemination
- Knowledge management systems
- Organizational ontology
- Data mining and knowledge discovery
- Organizational memory
- Organizational learning
- Knowledge management strategies and practices
- Knowledge management applications
- Sustainable knowledge management
- Cloud computing and knowledge management
- Green-IT knowledge management

## PAPER SUBMISSION

Prospective participants are requested to electronically submit full papers of their work (12 pages). In accordance with the previous conferences the organizers of KSEM'2011 will publish the conference proceedings with Springer in the Lecture Notes in Artificial Intelligence (LNAI) series.

## IMPORTANT DATES

**Submission Due:** June 1, 2011  
**Author Notification :** August 1, 2011  
**Conference Dates:** Dec. 12-14, 2011

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