



4th International Conference on Knowledge Science, Engineering and Management (KSEM`2010)

1-3 September 2010

University of Ulster, Belfast, Northern Ireland, UK
www.ulster.ac.uk/ksem2010

KSEM is an international conference for research on knowledge science, engineering and management, which attracts high quality, state-of-the-art research papers from all over the world. The conference provides a forum for researchers, practitioners and developers to present original work, to share their views, to exchange ideas and to develop new insights into KSEM-related areas. KSEM2010 will be held in Belfast, Northern Ireland, and is the fourth in the conference series, following three successful events in Guilin, China (KSEM'06), Melbourne, Australia (KSEM'07) and Vienna, Austria (KSEM'09). 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 fusion
- Knowledge-based software engineering
- Knowledge-based systems in life sciences
- Conceptual modelling in knowledge-based systems
- Semantic database systems and semantic Web
- Content engineering and ontological engineering
- Implementation issues in KBS
- Knowledge-based systems in earthquake science

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

PAPER SUBMISSION

Prospective participants are requested to electronically submit full papers of their work (12 pages). In accordance with the previous conferences the organisers of KSEM'2010 will publish the conference proceedings with Springer in the Lecture Notes in Artificial Intelligence (LNAI) series.

General Conference Co-Chairs

Bryan Scotney

University of Ulster, Northern Ireland, UK

Zhi Jin

Peking University, China

Programme Co-Chairs

Yaxin Bi

University of Ulster, Northern Ireland, UK

Mary-Anne Williams

University of Technology, Sydney, Australia

Local Organization Committee (University of Ulster)

James Uhomobhi (Co-Chair)

Hui Wang (Co-Chair)

Anna Jurek

Juan C Augsto

David Glass

Jun Liu

Shengli Wu

Nicola Burns

Jing Liao

Haiying Wang

IMPORTANT DATES

30 March 2010	Paper submission	30 May 2010	Camera-ready
15 May 2010	Author notification	30 May 2010	Early registration

STEERING COMMITTEE MEMBERS

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