

CALL FOR PAPERS



2011 International Symposium on INTEGRATED UNCERTAINTY IN KNOWLEDGE MODELLING AND DECISION MAKING (IUKM'2011)

October 28-30, 2011, Hangzhou, China

General Co-Chairs

Yoshiteru Nakamori (JAIST, Japan)
Yueting Zhuang (Zhejiang Univ., China)

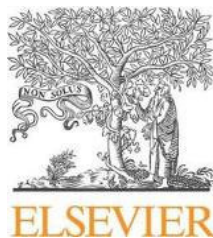
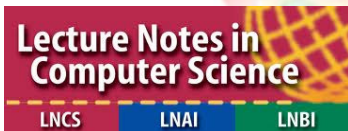
Program Co-Chairs

Van-Nam Huynh (JAIST, Japan)
Yongchuan Tang (Zhejiang Univ., China)
Jonathan Lawry (Bristol Univ., UK)

Special Sessions Chair

Zengchang Qin (Beihang Univ., China)

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Objective and Topics

IUKM 2011 Symposium aims to provide a forum for presenting and discussing theoretical and applied research on integrated uncertainty modelling and management. The goal is to bring together researchers working on uncertainty formalisms in information and knowledge systems and to attract researchers working in engineering and social sciences such as economics, business, management and environmental sciences who are interested in applying uncertainty-related tools and techniques to their fields.

The list of possible topics includes (but is not limited to):

□ Theory and Methodology

- Uncertainty formalisms: Bayesian probability, Dempster-Shafer theory, imprecise probability, random sets, rough sets, fuzzy sets and interval-based models, logics for uncertainty reasoning
- Information fusion and knowledge integration in uncertain environments
- Decision making under various types of uncertainty
- Aggregation operators
- Copulas for dependence modelling
- Granular and soft computing

□ Application

- Data mining and knowledge discovery
- Ontology engineering and Semantic Web
- Software engineering
- Medical informatics and bioinformatics
- Ranking and recommendation systems
- *Kansei* engineering and evaluation
- Engineering management
- Supply chain management
- Management of services
- Economics and environmental sciences.

Paper Submission and Publication

The authors are invited to submit their full papers by **May 10, 2011**. The submissions will be peer-reviewed for originality and scientific quality. The proceedings of IUKM 2011 will be published by Springer-Verlag in the subseries Lecture Notes in Artificial Intelligence of the series Lecture Notes in Computer Science, and be available at the Symposium. Authors are requested to prepare their papers in the [Springer LNAI/LNCS](#) format. Submissions should not exceed **12 pages** and must be submitted as PDF electronically through the conference system.

Please visit the conference website at <http://iukm.zju.edu.cn/> for details.

A **Best Paper Award**, sponsored by Elsevier, will be given to author(s) of IUKM 2011's best paper. In addition, after the Symposium, the authors of selected papers from IUKM2011 will be invited to submit an extended version of their work for possible inclusion in a special issue of **International Journal of Approximate Reasoning** (Elsevier).

Important Dates

Deadline for paper submission:	10 May 2011
Notification of acceptance/rejection:	30 July 2011
Final camera-ready:	30 August 2011
Author registration:	30 August 2011
Early registration:	10 September 2011
Symposium dates:	28 - 30 October 2011

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