

CALL FOR PAPERS

The Fourth International Symposium on INTEGRATED UNCERTAINTY IN KNOWLEDGE MODELLING AND DECISION MAKING

October 15-17, 2015, Nha Trang, Vietnam



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Lecture Notes in
Computer Science

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Contact Information

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Objective and Topics

The IUKM Symposium aims to provide a forum for exchanges of research results, ideas for and experience of application among researchers and practitioners involved with all aspects of uncertainty management and application. Previous IUKM Symposia have been held in Ishikawa (2010), Hangzhou (2011) and Beijing (2013). The 4th International Symposium on Integrated Uncertainty in Knowledge Modelling and Decision Making will be held in the beautiful coastal city of Nha Trang, Vietnam on 15th – 17th October, 2015.

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
- Intelligent data analysis and modelling
- Medical informatics and bioinformatics
- Ranking and recommendation systems
- Kansei/Affective engineering
- Engineering management
- Supply chain management
- Environmental management
- Service science
- Economics and econometrics.
- Social network analysis and mining

Paper Submission and Publication

The authors are invited to submit their full papers by **May 30, 2015**. The submissions will be peer-reviewed for originality and scientific quality. The proceedings of IUKM 2015 will be published by Springer-Verlag in the Lecture Notes in Artificial Intelligence series, 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 electronically through the conference's EasyChair system.

Please visit the conference website at <http://www.jaist.ac.jp/IUKM/IUKM2015> for details.

After the Symposium, the authors of selected papers from IUKM 2015 will be invited to submit an extended version of their work for possible inclusion in special issues of **Annals of Operations Research** and **International Journal of Approximate Reasoning**.

Important Dates

Deadline for paper submission:	30 May 2015
Notification of acceptance/rejection:	15 July 2015
Final camera-ready:	10 August 2015
Author registration:	10 August 2015
Early registration:	7 September 2015
Symposium dates:	15 - 17 October 2015

<http://www.jaist.ac.jp/IUKM/IUKM2015/>