INTEGRATED UNCERTAINTY in KNOWLEDGE MODELLING and DECISION MAKING (IUKM)

The Sixth International Symposium | March 15 – 17, 2018, Hanoi, Vietnam

CALL FOR PAPERS

SCOPE AND TOPICS

The IUKM Symposium aims to provide a forum for exchanges of research results, ideas and experience of application among researchers and practitioners involving all aspects of uncertainty management and application. Relevant topics for the 6th IUKM Symposium include, but not limited to:

Theory and Methodology

- Uncertainty formalisms: Bayesian probability, Dempster-Shafer theory, imprecise probability, random sets, rough sets, fuzzy sets & interval-based models.
- Modelling uncertainty & inconsistency in big data
- Learning and reasoning with uncertainty
- Information fusion & knowledge integration in uncertain environments
- Decision making under various types of uncertainty
- Aggregation operators
- Copulas for dependence modelling
- Granular and soft computing
- Computational intelligence

Application

- Data mining & knowledge discovery
- Ontology engineering & Semantic Web
- Intelligent data analysis & modelling
- Agents and argumentation
- Natural language processing
- Medical informatics & bioinformatics
- Ranking & recommendation systems
- Big data & cloud computing
- Social network analysis & mining
- Sensor fusion
- System identification & modelling
- Diagnosis & reliability
- Decision support systems
- Kansei/Affective engineering
- Engineering management
- Supply chain management
- Environmental management
- Service computing
- Economics and econometrics

PAPER SUBMISSION AND PUBLICATION

Authors are invited to submit their full papers by September 15, 2017. Submissions will be peer-reviewed for originality and scientific quality. Proceedings of IUKM 2016 will be published in Springer's LNAI series. Authors are requested to prepare their papers in Springer LNAI/LNCS format. Submissions should not exceed 12 pages and must be submitted electronically through the conference's Easychair system.
For details, please visit the conference website at:
http://www.jaist.ac.jp/IUKM/IUKM2018.

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Important Dates

Paper submission	Sep 15, 2017
Acceptance notification	Nov 20, 2017
Final camera-ready/Author registration	Dec 15, 2017
Early registration	Jan 10, 2018
Conference	Mar 15-17, 2018