

# Annals of Operations Research

## Special Volume on IUKM 2015

Guest Editor

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## CALL FOR PAPERS

The International Symposium on Integrated Uncertainty in Knowledge Modelling and Decision Making (IUKM) aims to provide a forum for exchanging research results and ideas for and experience of applications among researchers and practitioners involved with all aspects of uncertainty management. IUKM 2015 is the fourth such conference, and will be held in Nha-Trang, Vietnam, 15–17 October, 2015.

This special volume will follow IUKM 2015 and welcomes contributions dealing with any aspects of uncertainty management in knowledge modelling and decision making with applications. However, it is also open to other relevant contributions that would not be presented in IUKM 2015.

Topics include but are not limited to:

- **Theory and Methodology:**

- Uncertainty formalisms: Bayesian probability, Dempster-Shafer theory, imprecise probability, random sets, rough sets, fuzzy sets, and interval methods
- Logics for reasoning under uncertainty
- Information fusion and knowledge integration in uncertain environments
- Decision making under various types of uncertainty
- Aggregation of preferences under uncertainty
- Copulas for dependence modelling

- Optimization under soft constraints
- Granular and soft computing

- **Applications:**

- 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
- Novel applications

## **Instructions for submission**

- Please follow the instructions of the journal while preparing your manuscript. A guide for authors can be found at: <http://www.springer.com/business+%26+management/operations+research/journal/10479>
- All papers should be submitted online using the online editorial system for the journal at: <https://www.editorialmanager.com/anor/default.aspx> Please select the article type "S.I.: IUKM2015" when asked.

**Submission deadline: November 30, 2015**