

CALL FOR PAPERS

Annals of Operations Research

Special Issue on IUKM 2018

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 using applications among researchers and practitioners involved with all aspects of uncertainty management. IUKM 2018 is the sixth edition of the symposium, which will be held in Hanoi, Vietnam, 15–17 March, 2018.

This special issue welcomes all high quality submissions dealing with any aspect of uncertainty management in knowledge modelling and decision making with applications. Especially, participants of the IUKM 2018 Symposium are strongly encouraged to submit their extended and enriched papers to this special issue, fully conforming to the specifications of the *Annals of Operations Research* journal as outlined in its Author Guidelines. Note that the contributions arising from papers given at IUKM 2018 or other conferences should be substantially extended, and should cite the conference paper where appropriate. The issue, however, is also open to other relevant contributions that would not be presented in IUKM 2018.

Topics include but are not limited to the following topics:

- **Theory and Methodology**

- uncertainty formalisms: Bayesian probability, Dempster-Shafer theory, imprecise probability, random sets, rough sets, fuzzy sets, and interval methods
- uncertainty modeling and management in big-data environments
- learning and reasoning with uncertainty
- information fusion and knowledge integration in uncertain environments
- decision making under various types of uncertainty
- aggregation operators for decision making
- granular and soft computing

- **Applications**

- data mining and knowledge discovery

- intelligent data analysis and modelling
- agents and argumentation
- natural language processing
- medical informatics and bioinformatics
- ranking and recommendation systems
- big data and cloud computing
- social network analysis and mining
- sensor fusion
- system identification and modelling
- diagnosis and reliability
- decision support systems
- kansei/affective engineering
- service computing
- engineering management
- supply chain management
- environmental management
- economics and econometrics

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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>
- During the submission process, please select the article type:
S.I.: Integrated Uncertainty in Knowledge Modelling and Decision Making 2018
- All submitted papers will be rigorously peer-reviewed according to the regular high standards of the *Annals of Operations Research* journal.

Submission deadline: 30 September, 2018