

The 13<sup>th</sup> International Conference on  
Intelligent Systems and Knowledge Engineering

ISKE 2018

Aug. 21-24, 2018  
Belfast, UK



<http://sist.swjtu.edu.cn/iske2018/>

Joint with FLINS2018 (<http://scm.ulster.ac.uk/FLINS2018/>)

## Call for Papers

### Honorary Chairs

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### Organization Chairs

Xianyi Zeng (France)  
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### Special Session Chairs:

Victoria Lopez (Spain)  
Peijun Guo (Japan)

### Poster Chairs:

Guangquan Zhang (Australia)  
Zou Li (China)

### Publicity Chairs:

Yangguang Liu (China)  
Ronei M. Moraes (Brazil)

### Information and Enquiry

<http://sist.swjtu.edu.cn/iske2018/>  
[iske2018@sina.com](mailto:iske2018@sina.com)

The 2018 International Conference on Intelligent Systems and Knowledge Engineering ([ISKE2018](#)) is the 13<sup>th</sup> in a series of ISKE conferences. ISKE2018 follows the successful ISKE2006 in Shanghai (China), ISKE2007 in Chengdu (China), ISKE2008 in Xiamen (China), ISKE2009 in Hasselt (Belgium), ISKE2010 in Hangzhou (China), ISKE2011 in Shanghai (China), ISKE2012 in Beijing (China), ISKE2013 in Shenzhen (China), ISKE2014 in Joao Pessoa (Brazil), ISKE2015 in Taipei (China), ISKE2016 in Roubaix (France), ISKE2017 in Nanjing (China) and will be held on Aug. 21-24, 2018 in Belfast (UK) as a joint conference with the 13<sup>th</sup> International FLINS Conference on Data Science and Knowledge Engineering for Sensing Decision Support ([FLINS 2018](#)). This conference is sponsored by Ulster University, Northern Ireland, UK and technically co-sponsored by Southwest Jiaotong University, China, University of Technology, Sydney, Australia. ISKE 2018 emphasizes current practice, experience and promising new ideas in the broad area of intelligent systems and knowledge engineering. ISKE2018 accepts submissions that have not been published or submitted in any form elsewhere. Besides technical/research papers, submissions reporting on industrial case studies are also welcome.

Accepted papers will be published with FLINS2018 as a book by World Scientific indexed by EI&ISI. Some selected papers are encouraged to revise for submitting to well-known international journals (SCI indexed).

The topics include, but not limited to:

#### Foundations of Intelligent Systems:

Artificial Intelligence Theories; Intelligent System Models; Logic, Reasoning & Problem Solving; Multi-Agent Systems; Soft Computing and Fuzzy Systems; Case-Based Reasoning, Neural Networks; Probabilistic Reasoning; Search, Optimization and Planning; Genetic and Swarm Computing; Pattern Recognition; Speech Recognition; Computer Vision; Machine Learning; Biological Inspired Computation; Game Theory; Computational Intelligence (Distributed computing, cloud computing, and pervasive computing); Image/Video Processing, Computer Vision and Brain-Computer Interface, Cognitive Systems and Information processing, and Computational Neuroscience

#### Knowledge Engineering and Management:

Knowledge Representation and Modeling; Knowledge Maintenance; Knowledge Elicitation; Knowledge-Based Systems; Expert Systems or Decision Support Systems; Content Management and Knowledge Management Systems; Workflow Management Systems; Business Process Reengineering; Ontology Engineering (Modeling, Mapping, Integration); Data Mining and Knowledge Discovery; Natural Language Processing; Text Mining, Classification and Summarization; Textual Entailment; Question Answering Systems; Document Preparation and Text Processing; Language Translation and Linguistics; Information Storage, Annotation and Retrieval; Unstructured and Semi-Structured Data Retrieval; Data Simulation, Modeling, and Visualization; Information and Knowledge Integration (Semantic Web; SOA, XML and Business Process Integration)

#### Practical Applications and Systems:

Social Computing, Service Computing and Mobile Computing; Intelligent Game; Intelligent Multimedia; User Interfaces and Human Computer Interaction; Intelligent Engineering Systems; Business Intelligence; Knowledge Engineering in E-commerce, Art and Education; Intelligent Bioinformatics Systems; Intelligent Healthcare Systems; E-learning and Intelligent Tutoring Systems; Intelligent Systems in Engineering and Science; Knowledge-based Software Engineering; Adaptive and Intelligent Control Systems, Perceptron and Navigation; Intelligent issues in GIS, Networks or in Internet of Things; Social Issues of Knowledge Engineering

#### Important Dates

Full paper submission (extended): **February 28, 2018**  
Acceptance notification: **April 01, 2018**  
Final papers submissions: **April 15, 2018**  
Final registration: **April 20, 2018**

#### Paper Submission

Papers reporting original research results and experience are solicited. Each paper, written in English, should have no more than 8 pages, including references and illustrations. See the templates available at: [Paper Templates](#). E-submissions in PDF format are strongly recommended. Submission of a paper should be regarded as an undertaking that, if the paper is accepted, at least one of the authors must attend the conference to present the paper. Papers must be submitted only by the [EasyChair system](#) (Please go to FLINS2018 paper submission website: <https://easychair.org/conferences/?conf=flins2018> and then select Category: Intelligent Systems and Knowledge Engineering).

Organized By : Ulster University, Northern Ireland, UK

Co-Sponsored by : Southwest Jiaotong University, China; University of Technology, Sydney.



Note: The detail information may be subject to change, please find the latest information via <http://sist.swjtu.edu.cn/iske2018/>