KSEM 2019
28 - 30 AUGUST
ATHENS GREECE

http://ksem2019.unipi.gr

The 12th International Conference on Knowledge Science, Engineering and Management (KSEM2019)

Important Dates

Paper Submission Due: May 03, 2019
Notification Due: May 20, 2019
Camera Ready Due: June 03, 2019
Conference: August 28-30, 2019

Conference Scope

KSEM 2019 is the twelfth in this series, which builds on the success of eleven previous events of the **International Conference on Knowledge Science, Engineering and Management** in Guilin, China (2006); Melbourne, Australia (2007); Vienna, Austria (2009); Belfast, UK (2010); Irvine, USA (2011); Dalian, China (2013); Sibiu, Romania (2014); Chongqing, China (2015); Passau, Germany (2016); Melbourne, Australia (2017); and Changchun, China (2018).

The aim of this interdisciplinary conference is to provide a forum for researchers in the broad areas of knowledge science, knowledge engineering, and knowledge management to exchange ideas and to report state-of-the-art research results.

Steering Committee

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Topics of Interest

The conference committee invites submissions of applied or theoretical research as well as of application-oriented papers on all the topics of KSEM. Topics include, but are not limited to the following:

Knowledge Engineering
- Knowledge extraction from texts/big data/Web
- Knowledge discovery from very large databases
- Knowledge integration
- Knowledge-based software engineering
- Knowledge-based systems in life sciences
- Conceptual modelling in knowledge-based systems
- Semantic database systems
- Semantic Web: Content and ontological engineering
- Knowledge engineering applications

Knowledge Science
- Knowledge representation and reasoning
- Logics of knowledge; formal analysis of knowledge; reasoning about knowledge
- Knowledge complexity and knowledge metrics
- Common sense knowledge; non-monotonic reasoning
- Uncertainty in knowledge (randomness, fuzziness, roughness, vagueness)
- Machine learning
- Integration of machine learning and knowledge representation
- Reasoning about knowledge in the presence of inconsistency, incompleteness and context-dependency
- Belief revision and updates
- Cognitive foundations of knowledge
- Knowledge in complex systems (e.g. economical and quantum systems)
- Game-theoretical aspects of knowledge; knowledge in multi agent-systems
- Formal ontologies

Knowledge Management
- Knowledge creation and acquisition
- Knowledge verification and validation
- Knowledge dissemination
- Knowledge management systems
- Knowledge and data integration
- Knowledge adaptation
- Knowledge management best practices and applications

Knowledge Graphs
- Probabilistic knowledge graphs
- Knowledge graph construction
- Knowledge graph query
- Knowledge graph storage, query and management
- Knowledge graph embedding
- Knowledge graph completion
- Knowledge graph link prediction
- Knowledge graph applications
- Learning on knowledge graphs

Paper Submission

Papers must be submitted **electronically** as a **PDF** file through the **EasyChair** conference management system at:
https://easychair.org/conferences/?conf=ksem2019

All the papers will be reviewed by the **Program Committee** on the basis of technical quality, relevance, originality, significance, and clarity.
All paper submissions will be handled electronically.
Please note:
1. All papers should be submitted electronically in **PDF** and be no longer than 12 pages. Please use the **Springer LNCS style** as described in:
   http://www.springer.de/comp/lncs/authors.html
2. At least one author of each accepted paper is required to **register** and **present** the paper at the conference.

For all inquiries, please contact:
- Local Organization Committee - (ksem2019@unipi.gr)
- Christos Douligeris, University of Piraeus, Piraeus, Greece (cdoulig@unipi.gr)

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