

CFP: The 16th International Conference on Knowledge Science, Engineering and Management (KSEM 2023)

August 16-18, Guangzhou, China
<https://www.ksem2023.conferences.academy/>

The 16th International Conference on Knowledge Science, Engineering and Management (KSEM 2023) will be held in Guangzhou on August 16-18, 2023. 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. KSEM is in the list of CCF (China Computer Federation) recommended conferences (C series, Artificial Intelligence). The proceedings of KSEM 2023 will be published in Springer Lecture Notes in Computer Science volume.

Submission Process:

EasyChair System: <https://easychair.org/conferences/?conf=ksem2023>

Steering Committee

- Ruqian Lu (Honorary Chair), Chinese Academy of Sciences, China
- Dimitris Karagiannis (Chair), University of Vienna, Austria
- Bo Yang, Jilin University, China
- Chengqi Zhang, University of Technology Sydney, Australia
- Christos Douligeris, University of Piraeus, Greece
- Claudiu Kifor, "Lucian Blaga" University of Sibiu, Romania
- Gang Li, Deakin University, Australia
- Hui Xiong, The State University of New Jersey, USA
- Jörg Siekmann, German Research Centre of Artificial Intelligence, Germany
- Martin Wirsing, Ludwig-Maximilians-Universität München, Germany
- Meikang Qiu, Texas A&M University-Commerce, USA
- Xiaoyang Wang, Zhejiang Gongshang University, China
- Yaxin Bi, Ulster University, UK
- Yoshiteru Nakamori, Japan Advanced Institute of Science and Technology, Japan
- Zhi Jin, Peking University, China
- Zili Zhang, Southwest University, China

Organizing Committee

- Honorary General Chairs

- Ruqian Lu, Chinese Academy of Sciences, China
- Dimitris Karagiannis, University of Vienna, Austria

- General Co-Chairs

- Zhi Jin, Peking University, China
- Christos Douligeris, University of Piraeus, Greece
- Daniel Neagu, University of Bradford, UK
- Weihua Ma, South China Normal University, China

Technical Program Committee

- PC Co-Chairs

- Yuncheng Jiang, South China Normal University, China
- Robert Buchmann, Babeş-Bolyai University, Romania
- Yaxin Bi, Ulster University, UK

Important Dates

Paper submission: ~~April 28, 2023~~ May 5, 2023

Author notification: May 25, 2023

Camera-Ready: June 11, 2023

Registration: June 11, 2023

Conference date: August 16-18, 2023

All deadlines are 23:59 AoE (Anywhere on Earth).

Contact Info

If you have any questions or queries on KSEM 2023, please contact us by email. Email address:

ksem2023@outlook.com

Topics

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 Science

- Knowledge representation and reasoning
- Formal analysis of knowledge and reasoning about knowledge
- Knowledge complexity and knowledge metrics
- Uncertainty in knowledge (randomness, fuzziness, roughness, vagueness)
- Knowledge fusion for decision making
- Formal ontologies
- Reasoning about knowledge in the presence of inconsistency, incompleteness and context-dependency
- Belief propagation, revision and aggregation
- Cognitive foundations of knowledge
- Integration of machine learning and knowledge representation
- Knowledge-driven learning
- Knowledge for cognitive robotics
- Knowledge for cognitive analytics
- Knowledge in complex systems (e.g. manufacture assembling, economical and quantum systems)
- Game-theoretical aspects of knowledge and knowledge in multi-agent systems

Knowledge Engineering

- Knowledge modeling
- Knowledge acquisition, such as knowledge modules and temporal knowledges
- Knowledge extraction from texts/videos, big data/web
- Knowledge discovery from very large databases
- Knowledge integration
- Knowledge-based software engineering
- Knowledge-based systems in life sciences
- Knowledge-based systems for smart homes
- Conceptual modeling in knowledge-based systems
- Semantic database systems
- Semantic Web (content and ontological engineering)
- Knowledge engineering applications
- Knowledge modeling for digital twins
- Knowledge-based system for Chatbot

Knowledge Management

- Knowledge management best practices and applications
- Knowledge verification and validation (e.g. Blockchain)
- Knowledge protection and anomaly detection
- Smart knowledge and resource optimization
- Knowledge dissemination
- Knowledge management systems
- Knowledge and data integration
- Knowledge adaptation
- Knowledge creation and acquisition

Knowledge Graphs

- Knowledge graph storage and management
- Probabilistic knowledge graphs
- Knowledge graph construction
- Knowledge graph query
- Learning on knowledge graphs
- Knowledge graph embedding
- Knowledge graph completion
- Multi-modal knowledge graphs
- Knowledge graph applications
- Deep graph neural networks

