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The 13th International Conference on Knowledge Science, Engineering and Management (KSEM 2020) will be held in **Hangzhou, China on August 28-30, 2020**. 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. Meanwhile, KSEM is in the list of CCF recommended Conferences (C series, Artificial Intelligence).

❖ Publication

- All accepted and presented papers will be included in KSEM 2020 proceedings.
- All papers should use the Springer LNCS style. Selected papers will be recommended to SCI indexed journals.
- Full papers are expected to be no longer than 12 pages. Short papers are expected to be within 6-8 pages.
- Poster papers are expected to be within 4-5 pages. Posters will be exhibited in a special poster session.

❖ Submission Process

EasyChair Online System: <https://easychair.org/conferences/?conf=ksem2020>

❖ 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
- 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
- Formal ontologies

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 Management

- Knowledge creation and acquisition
- Knowledge verification and validation
- Knowledge dissemination
- Knowledge management systems

❖ Important Date

Paper submission due: ~~April 16, 2020~~ **April 30, 2020 (Extended)**

Author Notification: **June 1, 2020**

Conference Date: August 28-30, 2020

Camera-ready papers due: **June 10, 2020**

- 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

Knowledge Graphs

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

- Knowledge and data integration
- Knowledge adaptation
- Knowledge management best practices and applications

