Special Session
on
Knowledge Engineering in Ontologies and Semantic Web
at
9th International Conference on
Innovations in Bio-Inspired Computing and Applications

Toc H Institute of Science &Technology, Kochi, India
December 17-19, 2018

http://www.mirlabs.net/ibica18/

Objectives and Scope

Knowledge Engineering introduces all scientific, social and technical aspects involved in maintaining, building and applying knowledge-based systems. It is an interdisciplinary area, bringing in concepts and methods from various domains such as Databases, Artificial Intelligence, Expert Systems and Decision Support Systems. The knowledge stored in the WWW is available in interconnected documents framed in natural language. Several technologies, such as Information Retrieval, Natural Language Processing, Knowledge and Data Mining are applied to use this knowledge. Semantic Web technologies present an approach based on formal knowledge representations like ontologies, by incorporating web of documents with explicit semantics.

We invite high quality contributions from all research areas that address the emerging data challenges. Several topics of interest include, but are not limited to, the following:

- Knowledge Acquisition and Sharing
- Machine Learning for Knowledge Extraction
- Machine Learning and Data Mining methods for the Semantic Web
- Ontology Engineering and Ontology Pattern
- Ontology Mapping, Merging, Modularity and Alignment
- Search, Query, Integration, and Analysis of the Ontology
- Natural Language Processing and Information Extraction
- Multilinguality in Information Retrieval
- Deep Learning for the Semantic Web
- Feature Extraction and Feature Selection for Ontology Mining
- Ontology Mining and Knowledge Discovery
- Supervised Machine Learning in OWL and DL
- Question Answering over Linked Data and Ontologies
- Ontology Management, Maintenance, and Reuse
- Ontology Evaluation and Schema Quality
- Visualizations and user interfaces for Ontology Engineering

o   Integration and Interoperability of Domain Ontologies

Paper Publications

All accepted and registered papers will be published in AISC Series of Springer, indexed in ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink. (Listed in UGC approved list, please refer List 1- Page 32 - S.No. - 1375) (http://www.ugc.ac.in/pdfnews/8919877_Journals-1.pdf)

Important Dates

Paper submission due: August 31, 2018
Notification of paper acceptance: October 15, 2018
Registration and Final manuscript due: November 10, 2018
Conference: December 17 - 19, 2018

Special Session Chairs

Sarika Jain, National Institute of Technology, Kurukshetra, Haryana, India.
Millie Pant, IIT Roorkee, Uttarakhand, India.
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