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Research

- The First International Conference on Future Generation Communication Technologies
  (FGCT 2012)

- The Eighth International Conference on Digital Information Management (ICDIM 2013)

Editorial

Imposing and applying ontology rules enable the functioning and structuring in semantic web. The OWL ontology extended by rules will pave the way for semantic integration. Realizing the potential for OWL ontology extension *Souad Bouaicha* and *Zizette Boufaida* in their paper on **"Extending SWRL Rules to Integrate Object-Oriented Techniques in Hybrid Ontologies"** proposed to enrich the comportment of the ontology concepts by rules. This enrichment is done by extending a version of SWRL and its execution in Jess.

Item based techniques enhance collaborative filtering techniques. They are used to measure relationship between the computations and provide recommendation to users ultimately. *Najma Hamzaoui, Abdelfettah Sedqui* and *Abdelouahid Lyhyaoui* have proposed similarity measure based on multi criteria in their paper on "Multi-Criteria Collaborative Recommender". The authors get convinced with the use of the item multi-criteria with the clustering techniques in the recommendation process.

Another paper on similarity measurement is proposed by *Ouafae Baida, Najma Hamzaoui, Abdelfettah Sedqui,* and *Abdelouahid Lyhyaoui.* In their paper on "Recommendation Based on Co-clustring Algorithm, Co-dissimilarity and Spanning Tree", they propose two new approaches based on the co-clustering and co-dissimilarity between users; the first based a bond energy algorithm and the second is based on based on the graph theory. Through comparison, they found that their **approach gives a more accurate recommendation**

The last paper "QoS-based Approach for Context-aware Service Selection" is also related to similarity measurement. The authors *Mohcine Madkour, Driss Elghanami, Abdelilah Maach, and Hasbi abderrahim* have proposed workflow-based algorithm allowing inexact matches for matching contextual service descriptions using similarity measures. Their work will lead to enhance the mobile and context aware situations by adding other similarities measures basing on workflow comparison.

Thus this issue focuses on the similarity issue in the information content in different platforms.

Editors