Preface

The Semantic Web has turned from his appearance into the academic world in a valuable tool for the management and modeling of multiple information systems that come out today the borders of the science that received it in his beginnings. The computer invention described by Tim Berners Lee at the beginning of century has served to agglutinate diverse disciplines that under the aegis of the web stay concatenated in a multidisciplinary universe. This First Cuban Workshop on Semantic Web constitutes a challenge for the Management of the Information and simultaneously a new experience for the professionals of diverse branches that take part in it, with the common target to present works in two very different slopes: a clearly computational and other one inclined to the use of ontologies in services of management of information, ways that scantly turn out to be reflected in events of this type, what makes more laudable the unifying vision so then International Congress of Information and the University of Computer Sciences of Cuba have handled this event.

The tendencies that appear in this workshop head on the one hand for the difficult strategies that the ontologies construction demands across relational databases, to the instruments dressmaking for the semantic contents handling, to the optimization of ontologies, to the use of ontological models in the information geo-location and to the conception of applications directed to the handling of artificial intelligence in the control of authorities, extremely essential areas for more scalable and efficient information systems that manage today. The part of management of information of this workshop puts sights in the use of concrete systems where ontologies are applied in dissimilar processes between which there are the academicians, those of preservation of materials of file and the management of agricultural information, very vital for the introduction of new paradigms of access, treatment and management of information. The integration of these two aspects of the Semantic Web in this workshop constitutes a plural vision of the reality to which there is faced the current development and future of the Semantic Web, and a bet for the future of the Information and Knowledge Management.

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