Proceedings of the Third International Workshop on Debugging Ontologies and Ontology Mappings - WoDOOM14

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Preface

Developing ontologies is not an easy task and, as the ontologies grow in size, they are likely to show a number of defects. Such ontologies, although often useful, also lead to problems when used in semantically-enabled applications. Wrong conclusions may be derived or valid conclusions may be missed. Defects in ontologies can take different forms. Syntactic defects are usually easy to find and to resolve. Defects regarding style include such things as unintended redundancy. More interesting and severe defects are the modeling defects which require domain knowledge to detect and resolve such as defects in the structure, and semantic defects such as unsatisfiable concepts and inconsistent ontologies. Further, during the recent years more and more mappings between ontologies with overlapping information have been generated, e.g. using ontology alignment systems, thereby connecting the ontologies in ontology networks. This has led to a new opportunity to deal with defects as the mappings and other ontologies in the network may be used in the debugging of a particular ontology in the network. It also has introduced a new difficulty as the mappings may not always be correct and need to be debugged themselves.

The WoDOOM series deals with these issues. This volume contains the proceedings of its third edition: WoDOOM14 - Third International Workshop on Debugging Ontologies and Ontology Mappings held on May 26, 2014 in Anissaras/Hersonissou, Greece. WoDOOM14 was an ESWC 2014 (11th Extended Semantic Web Conference) workshop.

In his excellent invited talk, Jérôme Euzenat considered the problem of revising a network of ontologies. Further, there were presentations of four research and two demonstration papers. The topics included work on defects regarding incorrectness and incompleteness and dealt with both detection and repair of defects.

The editors would like to thank the Program Committee for their work in enabling the timely selection of papers for inclusion in the proceedings. We also appreciate our cooperation with EasyChair as well as our publisher CEUR Workshop Proceedings.

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