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Proceedings of the International Workshop on

Interacting with Multimedia Content in the Social Semantic Web

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Preface

Media sharing and social networking websites have attracted many millions of users resulting in vast collections of user generated content. The contents are typically poorly structured and spread over several platforms, each supporting specific media types. With the increasing growth and diversity of these websites, new ways to access and manage the contents are required – both within and across Web platforms. For these reasons, the convergence of the Social and the Semantic Web is of great potential for the future evolution of the Web.

The goal of the International Workshop on Interacting with Multimedia Content in the Social Semantic Web (IMC-SSW'08) is to provide a forum for researchers and practitioners from the Semantic Web, Human-computer Interaction, and multimedia communities to discuss these topics and share experiences from a multidisciplinary perspective. The focus is on new approaches that follow Web 2.0 principles of simplicity and/or social navigation in combination with the representation, annotation, and linking power of the Semantic Web. The half-day workshop is co-located with the third International Conference on Semantic and Digital Media Technologies (SAMT 2008) that takes place in Koblenz on December 3 2008.

The workshop consists of two sessions each containing two full and one position paper. The first session starts with Tobias Bürger who presents a model for deploying multimedia content descriptors that he calls Intelligent Content Objects (ICOs) on the Semantic Web in order to improve reusability. The approach consists of a data model, a metadata model and a way to deploy the ICOs inline as part of HTML pages using RDFa. Avare Stewart, Ernesto Diaz-Aviles, and Wolfgang Nejdl demonstrate how user activities on different social networking websites can be combined to improve recommendation and discovery of social links. They present empirical results from the music domain showing that it can be worthwhile to consider cross-site relationships. The position paper by Tobias Bürger and Michael Hausenblas defines some general principles and requirements for interlinking multimedia content on the Web. The authors describe different methods to achieve this by using Semantic Web and especially Linked Data principles. They identify user interactions as a major source to establish links between multimedia resources.

The second session starts with Andreas Walter and Gábor Nagypál who present an approach of semantically annotating images available on the Web and show how to implement a mashup based on their application ImageNotion and popular Web platforms such as Flickr. Furthermore, they describe how the mashup can be extended to a Semantic Web Service that semi-automatically creates semantic image annotations for the Web. Philipp Heim, Jürgen Ziegler, and Steffen Lohmann propose a novel approach for browsing interrelated Web data by combining a graph-based visualization with faceted filtering. They illustrate the benefits of this approach by a prototype and a scenario. Finally, they provide some first evaluation results based on their prototype. The position paper by Wolfgang Halb and Michael Hausenblas discusses the issues of provenance, trust, and privacy when interacting with contents in social media environments. The authors present a general model and describe how Semantic Web technologies can help to overcome limitations in these areas.

We thank all authors for their submissions and the members of the IMC-SSW program committee for providing their expertise and giving elaborate feedback. All contributions that have been selected by the program committee are published in these proceedings. Last but not least, we would like to thank the organizers of the SAMT conference for their support.

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