

## The Semantic Web

6th International Semantic Web Conference, 2nd Asian Semantic Web Conference, ISWC 2007 + ASWC 2007, Busan, Korea, November 11-15, 2007, Proceedings

This book constitutes the refereed proceedings of the joined 6th International Semantic Web Conference, ISWC 2007, and the 2nd Asian Semantic Web Conference, ASWC 2007. The papers address all current issues in the field of the semantic Web, ranging from theoretical and foundational aspects to various applied topics such as management of semantic Web data, ontologies, semantic Web architecture, social semantic Web, as well as applications of the semantic Web.

The World-Wide Web continues to grow and new technologies, modes of interaction, and applications are being developed. Building on this growth, Semantic Web technologies aim at providing a shared semantic information space, changing qualitatively our experiences on the Web. As Semantic Web technologies mature and permeate more and more application areas, new research challenges are coming to the fore and some unsolved ones are becoming more acute. These issues include creating and managing Semantic Web content, making Semantic Web applications robust and scalable, organizing and integrating information from different sources for novel uses, making semantics explicit in order to improve our overall experience with information technologies, and thus enabling us to use the wealth of information that is currently available in digital form for addressing our everyday tasks. These and other challenges brought several hundred of researchers, developers, government workers, venture capitalists, students, and users to Busan, Korea for the Sixth International Semantic Web Conference which was held jointly with the 2nd Asian Semantic Web Conference (ISWC 2007 + ASWC 2007). We are excited to offer this volume with the main proceedings of ISWC 2007 + ASWC 2007 to the growing community of researchers and practitioners of the Semantic Web. The tremendous response to our Call for Papers from a truly international community of researchers and practitioners from 30 countries, the careful nature of the review process, and the breadth and scope of the papers finally selected for inclusion in this volume all speak to the quality of the conference and to the contributions made by the papers in these proceedings.



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