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Sergio Greco Thomas Lukasiewicz (Eds.)

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Preface

Originally, managing uncertainty and inconsistency has especially been explored in the field of artificial intelligence. During recent years, particularly with the availability of massive amounts of data in different repositories and the possibility of integrating and exploiting these data, technologies for managing uncertainty and inconsistency have started to play a key role in databases and the Web. Some of the most prominent of these technologies are probably the ranking algorithms behind Web search engines. Techniques for handling uncertainty and inconsistency are expected to play a similarly important role in the Semantic Web.

The annual International Conference on Scalable Uncertainty Management (SUM) has grown out of this very large interest on managing uncertainty and inconsistency in databases, the Web, the Semantic Web, and artificial intelligence. The conference aims at bringing together all those interested in the management of large volumes of uncertainty and inconsistency in these areas. The First International Conference on Scalable Uncertainty Management (SUM 2007) was held in Washington DC, USA, October 10–12, 2007.

This volume contains the papers presented at the Second International Conference on Scalable Uncertainty Management (SUM 2008), which was held in Naples, Italy, October 1–3, 2008. It contains 27 technical papers, which were selected out of 42 submitted papers in a rigorous reviewing process, where each paper was reviewed by at least three Program Committee members. The volume also contains extended abstracts of the three invited tutorials/talks.

We wish to thank all authors who submitted papers and all conference participants for fruitful discussions. We are grateful to Jan Chomicki, Prabhakar Raghavan, and Dan Suciu for their invited tutorials/talks at the conference. We would like to thank the Program Committee members and external referees for their timely expertise in carefully reviewing the submissions. Special thanks also to Antonio Picariello and his team from the University of Naples “Federico II” for the organization of the conference and wonderful days in Naples. Many thanks also to the developers of the EasyChair Conference System, which we used for the reviewing process and the preparation of this volume.

October 2008

Sergio Greco
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SUM 2008 was organized by the University of Naples “Federico II”.

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