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Semantic Web Services and Web Process Composition

First International Workshop, SWSWPC 2004
San Diego, CA, USA, July 6, 2004
Revised Selected Papers

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Preface

This book constitutes the refereed proceedings of the 1st International Workshop on Semantic Web Services and Web Process Composition, SWSWPC 2004, held at the Westin Horton Plaza Hotel, San Diego, California, USA, July 6, 2004, in conjunction with the IEEE International Conference on Web Services (ICWS 2004).

The workshop intended to bring researchers, scientists from both industry and academics, and representatives from different communities together to study, understand, and explore the phases that compose the lifecycle of Semantic Web processes. The workshop presented what can be achieved by the symbiotic synthesis of two of the hottest R&D and technology application areas, Web services and the Semantic Web, as recognized at the 12th International World Wide Web conference (WWW 2003) and in the industry press.

The emphasis of the workshop was mainly on Web services, Web processes and semantics which are important movements emerging in the World Wide Web. Web services and Web processes promise to ease several current infrastructure challenges, such as data, application, and process integration. Web services are truly platform-independent and allow the development of distributed, loosely coupled applications, a key characteristic for the success of dynamic Web processes.

The 9 revised full papers presented were carefully reviewed and selected from 20 submissions, after a double-blind review process. In addition, we were honored by the presence of two distinguished invited speakers, namely Prof. Munindar Singh (North Carolina State University, USA) and Prof. Boualem Benatallah (University of New South Wales, Australia). The workshop also included a panel entitled "Do Academic Research and Industry Differ in the Role and Approach to the Use of Semantics for Web Processes?" where John Miller (University of Georgia), Jeff Pollock (Network Inference Ltd., USA), Jianwen Su (UC, Santa Barbara, USA), Ryusuke Masuoka (Fujitsu, USA), and Shishir Garg (France Telecom, France) participated.

We would like to express our sincere gratitude to all the authors, who provided the rich material discussed at the workshop, and the members of the Program Committee who reviewed and assessed the scientific merit of each submitted paper, thus ensuring high quality standards.

July 2004

Jorge Cardoso
Amit Sheth

Organization

SWSWPC 2004 was organized by the Department of Mathematics and Engineering, University of Madeira, Portugal and by the Department of Computer Science, University of Georgia, USA, in cooperation with the 2004 IEEE International Conference on Web Services (ICWS 2004).

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