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Preface

Resource discovery is an exciting field of research where scientists of various communities meet. The workshop covers all challenges related to the definition, identification, localization, composition of resources including information sources such as a data repository or database management system (e.g., a query form or a textual search engine), links between resources (an index or hyperlink), or services such as an application or tool. Resource discovery systems allow the expression of queries to identify and locate resources that implement specific tasks. Because this problem is of particular interest to the bioinformatics community, many approaches have been designed to support biomedical applications and the analysis of workflows. Like in previous years, we are excited to report that the workshop provided a forum where computer scientists of various expertise met and shared their experiences.

The first workshop on REsource Discovery (RED) took place in November 2008 in Linz, Austria. It was organized jointly with the 10th International Conference on Information Integration and Web-Based Applications and Services (IIWAS) and its proceedings were published by ACM. The second edition of the workshop was co-located with the 35th International Conference on Very Large Data Bases (VLDB) in the beautiful city of Lyon, France (Volume LNCS 6162). This third edition of the workshop was held jointly with IIWAS again and took place on November 5, 2010 in Paris, France. We received 24 submissions to the workshop and we composed an exciting program including two invited talks on quality-of-service in the context of resource discovery given by Joyce El Haddad on “Optimization Techniques for QoS-Aware Workflow Realization in Web Services Context” and Laure Berti-Equille on “Assuring Quality of Service and Quality of Data: New Challenges for Service and Resource Discovery”. We accepted 15 papers organized in four sessions: resource discovery for composition, bioinformatics resource discovery, textual resource discovery, and Web service discovery. The workshop was concluded by a panel and open discussion on “Challenges of Quality-Driven Resource Discovery”. The papers included in this volume went through a two-step peer-review process: they were first reviewed by the Program Committee for acceptance to the workshop, then they were extended after the workshop and went through a second review phase. Our sincere thanks to the Program Committee members and external reviewers for their valuable input and for accepting to contribute to the multiple phases of the review process. We also thank the IIWAS organizers, in particular Ismail Khalil, for their endless patience and the local organization.

June 2011

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