ADI'10 - PC Co-chairs Message

Welcome to the 3rd International Workshop on Ambient Data Integration (ADI'10). The workshop was held in conjunction with the On The Move Federated Conference and Workshops (OTM'10), October 25-29, 2010 in Hersonissou, Crete, Greece.

Ambient data integration places an emphasis on integrating data across embedded, context aware, personalized devices that can adapt to rapidly changing environments. Hence, this workshop aims to discuss relevant aspects for the success of data integration systems with the focus on the ubiquity, management and conceptualization of these systems. We expect that ambient issues in data integration are going to challenge system designers for quite some time and significant effort is needed in order to tackle them. This workshop brings together researchers and practitioners to share their recent ideas and advances towards this emerging and important problem.

The program of the full day workshop is composed as follows: 2 talks and 5 papers, that is we have accepted 45% of the papers submitted.

Concerning the talks, Grigoris Antoniou and Antonis Bikakis presented their work on defeasible contextual reasoning in ambient intelligence while Dave Thau gave a presentation on ambient data integration in the context of collaborative collection of data in wild environments. The accepted papers can be partitioned into two groups: data integration approaches and modeling in the context of ADI.

Regarding data integration approaches, the paper by Richard Mordinyi and al is dealing with issues in enterprise data and applications integration and proposes a framework combining two systems for solving these problems. Rosalie Belian and Ana Carolina Salgado presented a context based schema integration process that is applied to a health care application. Finally, the paper written by Bastian Roth and al tackles the issue of data integration. Focusing on scientific applications it distinguishes between materialized and virtual data integration systems and compares available systems based on an evaluation scheme that is introduced.

The modeling papers can be summarized as follows. In their paper, Thomas Buchmann and al present a generic framework, including a complete work flow for provenance and quality control, integration to institutional repositories, and evolution of research data. Ludovic Menet and Myriam Lamolle propose an approach for incremental validation of UML class diagrams based on a set of formally specified rules.

We would like to thank the authors for their submissions, the program committee members for their excellent work, and the conference organizers for their great support to set up the workshop.

August 2010   Olivier Curé
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                                                       Dave Thau
                                                        ADI'10