

## ADI 2009 PC Co-chairs' Message

Welcome to the proceedings of the second International Workshop on Ambient Data Integration (ADI 2009). The workshop was held in conjunction with the On The Move Federated Conference and Workshops (OTM 2009), November 1-6, 2009 in Vilamoura, Portugal.

This workshop provides a forum for discussing relevant aspects for the success of data integration systems with a 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 papers accepted at ADI 2009 can be divided into two groups: innovative data integration solutions and modeling and management of data.

Concerning data integration solutions, the talk of Riccardo Rosati presents an approach for effective ontology-based data integration. Also dealing with ontologies, the paper of Olivier Curé proposes a solution based on formal concept analysis to merge knowledge bases. MinHwan Ok's paper presents a method for condensing data in a large sensor network organized in a hierarchy of databases. Finally, the paper of David Thau et al. highlights concrete challenges in ambient data integration applied to the domain of biodiversity informatics.

Three papers were selected considering modeling and management of data. Tadeusz Pankowski's paper presents an approach to the (semi) automatic generation of schema mappings in XML data integration. The paper of Ludovic Menet et al. addresses the federation of data sources and the definition of unified data models based on XML architecture and the concept of master data management. Finally, the paper of Michel Treins et al. proposes a concept for managing large structured and annotated documents in the field of environmental legislation.

We would like to thank Riccardo Rosati for his keynote lecture, the authors for their submissions, the Program Committee members for their excellent work, and the conference organizers for their great support in setting up the workshop.

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