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Service-Oriented Perspectives in Design Science Research

6th International Conference, DESRIST 2011
Milwaukee, WI, USA, May 5-6, 2011
Proceedings

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Preface

There has been a surge of interest in design science research in information systems in the last few years. The goal of the design science research paradigm is to extend the boundaries of human and organizational capabilities by designing new and innovative constructs, models, methods, processes, and systems. Scholars from different backgrounds—such as information systems, computer science, software engineering, and medical informatics—are actively engaged in generating novel solutions to interesting design problems in information systems.

With five successful conferences already held in Claremont, Pasadena, Atlanta, Philadelphia, and St. Gallen, the International Conference on Design Science Research in Information Systems and Technology (DESRIST) has become the premier venue for exchanging design science research ideas in the IS field. The sixth DESRIST conference in Milwaukee brought together researchers from all over the world, including Australia, Austria, Canada, Denmark, Finland, Germany, Liechtenstein, South Korea, Sweden, Switzerland, and the USA.

The topical theme of DESRIST 2011 was “Service-Oriented Perspectives in Design Science Research.” Several papers in the conference proceedings conform to the theme, focusing on topics such as service design, service-oriented architecture design, design of financial services, etc. In addition to the papers addressing the conference theme, the proceedings include cutting-edge research in several other areas. Some papers address the need for theory development in design science, while others formulate design science research strategies and guidelines. There are several papers on design evaluation and design methods. Also, there are papers that present design research exemplars in domains such as mobile computing, telecommunications, social media, healthcare, and finance. Finally, a couple of papers address a topic that is at the frontiers of design research in IS: the use of neuroscience.

In all, 50 papers were submitted to the conference for review. Each paper was reviewed by at least two referees. The reviews were double blind, meaning that each of the two groups – authors and referees – remained anonymous to one another. Finally, 29 papers were selected to be published as full-length research papers, yielding an acceptance rate of 58%. Five other papers were selected to be published as short papers.

We thank all the authors who submitted papers to the DESRIST 2011 conference. We hope the readers will find the papers as interesting and informative as we did. We would like to thank all the members of the Program Committee, as well as the additional referees, who took the time to provide detailed and constructive reviews for the authors. We would also like to thank the other members of the Organizing Committee, as well as the volunteers, whose dedication and

effort helped bring about a successful DESRIST 2011 conference. We believe that the papers in the DESRIST 2011 proceedings provide several interesting and valuable insights into the theory and practice of design science, as well as open up new and exciting possibilities for research in the discipline.

May 2011

Hemant Jain
Atish P. Sinha
Padmal Vitharana

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