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Advancing the Impact of Design Science: Moving from Theory to Practice

9th International Conference, DESRIST 2014
Miami, FL, USA, May 22-23, 2014
Proceedings

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Preface

This volume contains the papers presented at DESRIST: 9th International Conference on Design Science Research in Information Systems and Technology held during May 22–23, 2014 in Miami, Florida. The DESRIST Conference continued the tradition of advancing design research within the information systems discipline. As in previous years, scholars and design practitioners from many areas, such as information systems, computer science, industrial design, medical informatics, and software engineering came together to solve human problems through the innovative use of information technology and applications. The outputs of DESRIST, new and innovative constructs, models, methods, processes, and systems provide the basis for novel solutions to design problems in many fields.

DESRIST 2014 further built on the foundation of eight prior highly successful international conferences held in Claremont, Pasadena, Atlanta, Philadelphia, St. Gallen, Milwaukee, Las Vegas, and Helsinki. The title of this volume, “Advancing the Impact of Design Science: Moving from Theory to Practice”, reflects the idea that as design science research matures to an established research paradigm, the focus is shifting from searching for legitimacy to informing practice and education.

Forty-nine research manuscripts and 22 short papers describing prototype demonstrations were submitted to the conference for review. Each paper was reviewed by at least two referees. In all, 19 full papers, seven research-in-progress papers, and 18 prototype demonstrations were accepted. The program also included an industry panel, one industrial keynote, as well as poster presentations. The accepted papers were evenly distributed between exemplars of design and theory development. As in previous years, a substantial majority of the papers described the application of design science research to real-world design problems in both industry and government.

We thank the authors who submitted their papers to DESRIST 2014 and we trust that the readers will find them as interesting and informative as we did. We would like to thank 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 another successful conference. We believe the papers in these proceedings provide several interesting and valuable insights into the theory and practice of design science, and they open up new and exciting possibilities for research in the discipline.

May 2014

Monica Chiarini Tremblay
Debra VanderMeer
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