

Preface

This volume contains selected research papers and descriptions of prototypes and products presented at DESRIST 2015 – the 10th International Conference on Design Science Research in Information Systems and Technology held during May 20–22, 2015, at Clontarf Castle, Dublin, Ireland.

The DESRIST Conference continued the tradition of advancing and broadening design research within the information systems discipline. DESRIST brings together researchers and practitioners engaged in all aspects of Design Science research, with a special emphasis on nurturing the symbiotic relationship between Design Science researchers and practitioners. As in previous years, scholars and design practitioners from various areas, such as information systems, computer science, industrial design, design thinking, innovation management, service science, and software engineering, came together to discuss and solve design 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. The conference further built on the foundation of nine prior highly successful international conferences held in Claremont, Pasadena, Atlanta, Philadelphia, St. Gallen, Milwaukee, Las Vegas, Helsinki, and Miami.

The title of this volume, “New Horizons in Design Science: Broadening the Research Agenda,” reflects the need for a discussion to broaden the research agenda of Design Science Research, if it is to flourish and grow as a research activity. The agenda of DESRIST 2015 conference reflected this inclusive approach. By accommodating a range of diverse design perspectives, the intent of the conference was to stimulate discussion and enable cross-discipline collaboration.

Overall we received 111 submissions (61 research manuscripts, 11 prototypes and products, and 39 research-in-progress and poster papers) to the conference for review. Each research paper was reviewed by a minimum of two referees. For these proceedings 22 full papers and 11 short papers were accepted together with 10 short papers describing prototypes and products.

The program also included two panels, two keynote presentations, as well as poster presentations. The accepted papers were distributed between ranges of diverse design perspectives. As in previous years, a substantial number of papers discussed methodological aspects of Design Science and described the application of Design Science research to real-world design problems.

We would like to thank the authors who submitted their papers to DESRIST 2015 conference 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 appreciated the efforts of the other members of the Organizing Committee, as well as the volunteers whose dedication and effort helped bring about another successful conference. We would like to take this opportunity to thank

Prof. Alan Hevner for his encouragement and guidance. And our special thanks to Dr. Rob Gleasure as Proceedings Chair. Furthermore, we thank the sponsoring organizations, in particular Science Foundation Ireland, Irish Design 2015, Intel, Maynooth University, and Dublin City University for their support.

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.

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