

Preface

The *International Conference on Information Systems Development (ISD)* is an academic conference where researchers and practitioners share their knowledge and expertise in the field of information systems development. As an Affiliated Conference of the Association for Information Systems (AIS), the ISD conference complements the international network of general IS conferences (ICIS, ECIS, AMCIS, PACIS, ACIS). The ISD conference continues the tradition started with the first Polish-Scandinavian Seminar on Current Trends in Information Systems Development Methodologies, held in Gdansk, Poland in 1988. This seminar has evolved into the International Conference on Information Systems Development.

During its history, the conference has focused on different aspects, ranging from methodological, infrastructural, or educational challenges in the ISD field to bridging the gaps between industry, academia, and society. The development of information systems has paralleled technological developments and the deployment of those technologies in all areas of society, including government, industry, community, and in the home. ISD has always promoted a close interaction between theory and practice that has set an agenda focused on the integration of people, processes, and technology within a specific context.

This publication is a selection of papers from ISD2015, the 24th ISD conference hosted by the eHealth Research Institute, School of Management, Harbin Institute of Technology and held in Harbin, China during August 25–27, 2015. All accepted papers for ISD2015 have been published in the AIS eLibrary at <http://aisel.aisnet.org/isd2014/proceedings2015>. This volume contains extended versions of the best papers, as selected by the ISD2015 Program Chairs.

The theme of the conference was *Transforming Healthcare through Information Systems*. Healthcare as we know it is increasingly unaffordable and incapable of dealing with emerging population dynamics. The combination of increased life expectancy coupled with high incidence of chronic and lifestyle diseases creates an overwhelming demand on healthcare facilities and professionals. No country in the world can continue to provide broad-based quality healthcare under these

circumstances without new thinking. The issues are many and the stakeholder list is long, leading to the societal challenges we now face.

Information systems play an important role in healthcare transformation to meet the current and future needs. As healthcare expands to address wellness as well as treatment in a more patient-centric context, aspects of content and process as well as technology all enter into Information System Development considerations. Opportunities are especially salient given the current prevalence of emergent technologies for a broad range of uses and a historical lack of attention to the problem of integration within the health system.

New healthcare thinking also requires sustained behavioral change that cannot be mandated. As such, information systems need to be both technologically robust and also appealing to broad segments of the population. Implementation needs to address a wide range of issues so that systems are used and are useful in terms of long-term benefits and positive impacts on healthcare systems.

The ISD2015 conference tracks focused on:

- IS Impact on Healthcare Organizations and Society
- ISD Education
- Sensor-Based Systems Development
- Mobile Systems and Applications
- Model-Driven Development and Concepts
- Security and Privacy Considerations
- General Concepts e.g., Managing IS Development, ISD Methodologies, Project Management, Innovation in ISD, Legal/Ethical Issues, and Other Topics.

The ISD2015 conference focused on these and associated topics in order to promote research into methodological issues and ways in which information systems designers are transforming healthcare. We believe that the papers assembled in this publication are an important contribution in this regard.

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<http://www.springer.com/978-3-319-30132-7>

Transforming Healthcare Through Information Systems
Proceedings of the 24th International Conference on
Information Systems Development

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Schneider, C. (Eds.)

2016, XII, 225 p. 37 illus., Softcover

ISBN: 978-3-319-30132-7