Lecture Notes in Business Information Processing 259

Series Editors

Wil van der Aalst
Eindhoven Technical University, Eindhoven, The Netherlands

John Mylopoulos
University of Trento, Trento, Italy

Michael Rosemann
Queensland University of Technology, Brisbane, QLD, Australia

Michael J. Shaw
University of Illinois, Urbana-Champaign, IL, USA

Clemens Szyperski
Microsoft Research, Redmond, WA, USA

More information about this series at http://www.springer.com/series/7911

Ulrika Lundh Snis (Ed.)

Nordic Contributions in IS Research

7th Scandinavian Conference
on Information Systems, SCIS 2016 and IFIP8.6 2016
Ljungskile, Sweden, August 7–10, 2016
Proceedings

Springer

Editor
Ulrika Lundh Snis
Department of Economics and IT
Hogskolan Vast
Uddevalla
Sweden

© IFIP International Federation of Information Processing 2016. These papers were published with kind permission. All rights reserved. Who is in Control in Crowdsourcing Initiatives? An Examination of the Case of Crowdmapping – A.R. Shahid and A. Elbanna, Co-creation and Fine-Tuning of Boundary Resources in Small-Scale Platformization – A.S. Islind, T. Lindroth, U.L. Snis and C. Sørensen, Learning for Professional Competence in an IS Context – P.M. Bednar and C. Welch, ICT and Learning Usability at Work - Challenges and Opportunities for Physicians in Everyday Practice – H.V. Hult, K. Byström and M. Gellerstedt

ISSN 1865-1348 ISSN 1865-1356 (electronic)
Lecture Notes in Business Information Processing
ISBN 978-3-319-43596-1 ISBN 978-3-319-43597-8 (eBook)
DOI 10.1007/978-3-319-43597-8

Library of Congress Control Number: 2016947769

© Springer International Publishing Switzerland 2016
This work is subject to copyright. All rights are reserved by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.
The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.
The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, express or implied, with respect to the material contained herein or for any errors or omissions that may have been made.

Printed on acid-free paper

This Springer imprint is published by Springer Nature
The registered company is Springer International Publishing AG Switzerland

Preface

The 7th Scandinavian Conference on Information Systems, SCIS 2016, hosted in Ljungskile, Sweden, was jointly organized by the LINA (Learning in and for the New Workplace) research center at University West and the Digital group (Learning in a Digitalized Region) of University West and the University of Gothenburg.

SCIS 2016 highlighted the digitalization of society, that has proceeded and entered almost all aspects of our lives. Digitalization refers to the way in which many domains of social life are reshaped around digital communication and media infrastructures, and what constitutes a worker, a student, and a citizen in a digitalized society as it has consequently evolved to be. In parallel, new research interests concerning the use and design of digital services and devices have emerged. The 7th SCIS conference had the theme "Living in the Cloud" emphasizing three aspects in particular; First, it refers to "the cloud" as the increasingly ubiquitous digital data storage "up there," which makes digital information appear to be detached from physical location and thus available anytime, anywhere, connecting everything with everyone. This has a profound effect on contemporary practices and on the way humans construct and perceive our understanding of information and information systems. Second, it refers to how boundaries appear blurred and vague and it is unclear where things start and end. For example, digital services today are often open-ended systems, resembling containers or infrastructures, which are changed by users during use as a dynamic evolution. Finally, it illustrates the tension between contrasting aspects related to the consequences of digitalization, such as how to handle the diffusion of private versus professional roles, relations, services, or information systems and how to balance benefits versus challenges of being constantly connected.

A total of 25 manuscripts were submitted to the conference. The evaluation was a careful double-blind review process with at least two reviewers for each paper. Finally, nine papers were accepted for presentation at the conference and in these proceedings (with an acceptance rate of 36 %).

SCIS 2016 invited three keynote speakers: Margunn Aanestad from Oslo University (Norway) Carsten Sørensen from the London School of Economics and Political Science (UK), and Viktori Kaptelinin from Umeå University (Sweden).

As in previous years, the SCIS conference was arranged in conjunction with the Information Systems Research Conference in Scandinavia, known as the IRIS conference, which began in 1978 and which with its 39th annual gathering is the oldest consecutive information systems conference in the world. IRIS is today organized as a working seminar between established researchers and doctoral students. The young researchers and their interest in information systems boded well for shaping the future of the field.

We would like to thank the supporters and sponsors of this conference. We are grateful to all those people who contributed to this conference, whether as organizers, Program Committee members, reviewers, scientific contributors, or otherwise. Finally,

we would like to extend our warmest thanks to all those volunteers who contributed in so many ways to making this conference a successful and memorable event.

May 2016

Martin Gellerstedt
Ulrika Lundh Snis
Johan Lundin
Lena Pareto
Lars Svensson
Dick Stenmark

Organization

Conference Chairs

Lena Pareto	University West, Sweden
Lars Svensson	University West, Sweden

Program Chair

Ulrika Lundh Snis	University West, Sweden

Proceedings Chairs

Johan Lundin	University of Gothenburg, Sweden
Ulrika Lundh Snis	University West, Sweden

Cloud Chairs

Anna Sigridur Islind	University West, Sweden
Tomas Lindroth	Gothenburg University, Sweden

Web Chair

Stefan Nilsson	University West, Sweden

Sponsorship Chairs

Martin Ljungdal-Eriksson	University West, Sweden
Monika Hattinger	University West, Sweden
Ann Svensson	University West, Sweden

Program Committee

Ivan Aaen	Aalborg University, Denmark
Margunn Aanestad	University of Oslo, Norway
Magnus Bergqvist	Halmstad University, Sweden
Fredrik Bergstrand	University of Gothenburg, Sweden
Erik Borglund	Mid Sweden University, Sweden
Morten Brandrup	Roskilde University, Denmark
Tone Bratteteig	University of Oslo, Norway
Katerina Cerna	University of Gothenburg, Sweden
Esbjörn Ebbesson	Halmstad University, Sweden

Sisse Finken	Linneaeus University, Sweden
Martin Gellerstedt	University West, Sweden
Kerstin Grundén	University West, Sweden
Amir Haj-Bolouri	University West, Sweden
Monika Hattinger	University West, Sweden
Ilona Heldal	University College Bergen, Norway
Ola Henfridsson	Warwick Business School, UK
Harald Holone	Østfold University College, Norway
Karin Högberg	University West, Sweden
Netta Iivari	University of Oulu, Finland
Will Jobe	University West, Sweden
Lars-Olof Johansson	University West, Sweden
Leona Johansson-Bunting	University of Gothenburg, Sweden
Viktor Kaptelinin	Umeå University, Sweden
Joakim Karlsson	Østfold University College, Norway
John Krogstie	Norwegian University of Science and Technology, Norway
Arto Lanamäki	University of Oulu, Finland
Jonas Landgren	Chalmers University of Technology, Sweden
Susanne Lindberg	Halmstad University, Sweden
Tomas Lindroth	University West, Sweden
Berner Lindström	University West, Sweden
Jesper Lund	Halmstad University, Sweden
Mona Lundin	University West, Sweden
Anita Mirjamdotter	Linneaeus University, Sweden
Judith Molka-Danielsen	Molde University College, Norway
Christina Mörtberg	Linneaeus University, Sweden
Stefan Nilsson	University West, Sweden
Livia Norström	University West, Sweden
Urban Nuldén	University of Gothenburg, Sweden
Jacob Nørbjerg	Copenhagen Business School, Denmark
Henry Oinas-Kukkonen	University of Oulu, Finland
Torbjörn Ott	University of Gothenburg, Sweden
Samuli Pekkola	Tampere University of Technology, Finland
Esko Penttinen	Helsinki School of Economics, Finland
Noora Pinjamaa	Aalto University, Finland
Tero Päivärinta	Luleå University of Technology, Sweden
Ada Scupola	Roskilde University, Denmark
Sofia Serholt	University of Gothenburg, Sweden
Anna Sigridur Islind	University West, Sweden
Maria Spante	University West, Sweden
Dick Stenmark	University of Gothenburg, Sweden
Susanne Stigberg	VUT, Austria
Frantisek Sudzina	Aalborg University, Denmark
Reima Suomi	University of Turku, Finland
Ann Svensson	University West, Sweden

Carsten Sørensen	London School of Economics and Political Science, UK
Michel Thomsen	Halmstad University, Sweden
Virpi Tuunainen	Aalto University School of Business, Finland
Tuure Tuunanen	University of Jyväskylä, Finland
Kristian Tørning	Danish School of Media and Journalism, Denmark
Helena Vallo Hult	University West, Sweden
Sara Willermark	University West, Sweden
Thomas Winman	University West, Sweden
Lena-Maria Öberg	Mid Sweden University
Christian Östlund	University West, Sweden

Contents

SCIS 2016

Evolution of the Blog Genre: The Emergence of the Corporate Personal Blog 3
Noora Pinjamaa

'It Has to Be Useful for the Pupils, of Course' – Teachers as Intermediaries in Design with Children 16
Netta Iivari and Marianne Kinnula

Sound Bubbles for Productive Office Work 29
Martin Ljungdahl Eriksson and Lena Pareto

Extending e-Health Infrastructures with Lightweight IT 43
Egil Øvrelid and Bendik Bygstad

The Ambivalent Characteristics of Connected, Digitised Products: Case Tesla Model S 57
Antti K. Lyyra and Kari M. Koskinen

Net Up Your Innovation Value 70
Jan Pries-Heje and Magnus Rotvit Perlt Hansen

Sustaining Sustainability: Investigating the Long-Term Effects of a Sustainability Initiative 86
Fredrik Bengtsson and Pär J. Ågerfalk

A Boundary Practice Perspective on Co-creation of ICT Innovations 100
Lars-Olof Johansson, Ulrika Lundh Snis, and Lars Svensson

The Roles of Conference Papers in IS: An Analysis of the Scandinavian Conference on Information Systems 116
Arto Lanamäki and John Stouby Persson

Preface

This book contains the proceedings of the IFIP Working Group 8.6 Conference, which was organized by University West and held in Ljungskile, Sweden, in August 2016.

The aim of the IFIP Working Group 8.6 is to foster the understanding of and improve research in practice, methods, and techniques involved in the transfer and diffusion of information technology within systems that are developed and in the development process itself.

The theme of the 2016 conference was "Diffusion of IS for Learning New Practices." The theme aims to encourage research into the challenges for learning and competent acting with regards to diffusion, adoption, and implementation of various forms of information technology. We aimed to address issues related to learning new practices from both the organizational and societal perspectives traditionally covered by IFIP Working Group 8.6.

A total of 11 manuscripts were submitted for the conference. The Program Committee undertook a double-blind reviewing process with at least two reviews for each paper. The four chairs used the reviews as well as their own evaluation to select four research papers to be included in these proceedings. Further, one panel was selected for presentation at the conference. Two keynote speakers were invited for the conference: Eleanor Wynn from Portland State University (USA) and Carsten Sørensen from the London School of Economics and Political Science (UK). Their talks were associated with the conference theme.

Our warmest thanks go to the research contributors and the sponsors of this conference, whether as organizers, Program Committee members, keynote speakers, or others. You made this a successful event.

May 2016

Ulrika Lundh Snis
Anna Sigridur Islind
Jan Pries-Heje
Jacob Nørbjerg

Organization IFIP 8.6 2016

General Chair

Jan Pries-Heje	Roskilde University, Denmark

Program Chairs

Ulrika Lundh Snis	Högskolan Väst, Sweden
Jacob Nørbjerg	Copenhagen Business School, Denmark

Organizing Chairs

Ulrika Lundh Snis	Högskolan Väst, Sweden
Anna Sigridur Islind	Högskolan Väst, Sweden

Proceedings Chair

Ulrika Lundh Snis	Högskolan Väst, Sweden

Working Group at Högskolan Väst/University West

Lars Svensson
Lena Pareto
Ulrika Lundh Snis
Stefan Nilsson
Anna Sigridur Islind

Program Committee

David Wainwright	Northumbria University, UK
Peter Bednar	University of Portsmouth, UK
Deborah Bunker	University of Sydney, Australia
Mohamamd Hossain	RMIT University, Australia
Michael Myers	University of Auckland Business School, New Zealand
David Wastell	Nottingham University, UK
Eleanor Wynn	Portland State University, Intel Corporation, USA
John Persson	Aalborg University, Denmark
Carsten Sørensen	London School of Economics, UK
Peter Axel Nielsen	Aalborg University, Denmark
Nancy Russo	Malmö University, Sweden
Björn Johansson	Lund University, Sweden
J.P. Allen	University of San Francisco, USA
John Venable	Curtin University of Technology, Australia
Amany Elbanna	Royal Holloway University of London, UK

Karlheinz Kautz	University of Wollongong, Australia
Gitte Tjørnehøj	Aalborg University, Denmark
Yogesh Dwivedi	Swansea University, UK
Tor J. Larsen	Norwegian Business School, Norway
Allen Higgins	University of Warwick, UK
Brian Donnellan	National University of Ireland, Maynooth, Ireland
Ana M. Bernardos	Universidad Politécnica de Madrid, Spain
Tom Mcmaster	University of Salford, UK

Contents

IFIP 8.6 2016

Who is in Control in Crowdsourcing Initiatives? An Examination of the Case of Crowdmapping 135
Abdul Rehman Shahid and Amany Elbanna

Co-creation and Fine-Tuning of Boundary Resources in Small-Scale Platformization 149
Anna Sigridur Islind, Tomas Lindroth, Ulrika Lundh Snis, and Carsten Sørensen

Learning for Professional Competence in an IS Context 163
Peter M. Bednar and Christine Welch

ICT and Learning Usability at Work: Challenges and Opportunities for Physicians in Everyday Practice 176
Helena Vallo Hult, Katriina Byström, and Martin Gellerstedt

Author Index 191