

JITTA



JOURNAL OF INFORMATION TECHNOLOGY THEORY AND APPLICATION

A Publication of the Association for Information Systems

Editorial: Contemporary Issues in Information Systems Development

Tuure Tuunanen
Department of Information Processing Science
University of Oulu
tuure@tuunanen.fi

Volume 12, Issue 4, pp. 1–4, December 2011



EDITORIAL NEWS

This issue completes our 12th volume and our third volume as a journal of the Association for Information Systems (AIS). It is also our pleasure to announce the co-operation agreements with two AIS Special Interest Groups, the AIS SIG for Services and the AIS SIG Adoption and Diffusion of Information Technology, as well as the IFIP Working Group 8.2 for Information Systems and Organizations, and Design Science Research in Information Systems and Technology (DESRIST). Our goal is to publish a special section or a special issue for each of these communities. In the future, we look forward to welcoming other interested research communities, and thus further developing the journal.

THE CURRENT ISSUE

In this issue, we publish two articles that address contemporary issues in information systems development. Rajanen et al. (2011) have addressed two important themes in their research. Open source software (OSS) development has been changing the way we currently conceptualize development work. Rajanen et al. present four case studies that have applied the OSS approach to software development in different settings. The focus of their study has, however, been the usability issues in OSS development. The paper contributes to the literature by experimenting with different approaches for introducing usability activities into the OSS development context. Rajanen et al. use a consultative approach in two of the reported case studies and find that the consultative approach did not have an impact. The two latter case studies use a participative approach, which has a greater impact. These findings are important, not only in terms of the OSS development, but for the practice of information systems development in general.

The second article addresses a similarly important theme in information systems development. Romanov et al. (2011) take a contextualist view to the development of IT-enabled chronic care management. They apply the principles of contextual design and contextual inquiry (Holtzblatt and Beyer 1993) for context inferred health information systems development and propose a framework for the purpose. Romanov et al. (2011) demonstrate the use of the framework through a case study. The case study illustrates how IT-enabled support for chronic care management was designed and implemented in a community clinic in the Southeast U.S. The article applies the Chronic Care Model (Wagner et al. 2001) as the theoretical foundation for the development of the framework. The article also provides interesting methodological insights to the academic audience. Finally, the paper depicts how to apply Collaborative Practice Research (Mathiassen 2002) in a case study setting over the length of three years.

REFERENCES

- Holtzblatt, K., and H. Beyer, "Making customer-centered design work for teams," *Communications of the ACM*, 1993, 36:10, pp. 92–103.
- Mathiassen, L., "Collaborative practice research," *IT & People*, 2002, 15:4, pp. 321–345.
- Rajanen, M., N. Iivari, and K. Anttila, "Introducing Usability Activities into Open Source Software Development Projects – Searching for a Suitable Approach," *Journal of Information Technology Theory and Application (JITTA)*, 2011, 12:4, Article 2, pp. 5–26.
- Romanov, D., L. Mathiassen, G. Landers, and C. Parker, "Development of IT-enabled Chronic Care Management for the Medically Underserved: A Contextual Framework," *Journal of Information Technology Theory and Application (JITTA)*, 2011, 12:4, Article 3, pp. 27–50.
- Wagner, E.H., B.T. Austin, C. Davis, M. Hindmarsh, J. Schaeffer, and A. Bonomi, "Improving chronic illness care: Translating evidence into action," *Health Affairs*, 2001, 20:6, pp. 64–78.



Tuure Tuunanen is Professor of Information Systems in the Department of Information Processing Science at the University of Oulu. He is also Global Research Fellow in The Center of Service Leadership at Arizona State University. He holds a D.Sc. (Econ) in information systems and M.Sc. (Econ) in marketing from Helsinki School of Economics. His current research interests lie in the areas of IS development methods and processes, requirements engineering, risk management, and convergence of IS and marketing disciplines, specifically in design of interactive consumer services and products. His works have been published in, e.g., *J. of the AIS*, *J. of Management Information Systems* and *J. of Service Research*. More information about Dr. Tuunanen's research can be found at <http://www.tuunanen.fi>.

Copyright © 2010-2012 by the Association for Information Systems. Permission to make digital or hard copies of all or part of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and full citation on the first page. Copyright for components of this work owned by others than the Association for Information Systems must be honored. Abstracting with credit is permitted. To copy otherwise, to republish, to post on servers, or to redistribute to lists requires prior specific permission and/or fee. Request permission to publish from: AIS Administrative Office, P.O. Box 2712 Atlanta, GA, 30301-2712 Attn: Reprints or via e-mail from ais@aisnet.org.

JITTA

JOURNAL OF INFORMATION TECHNOLOGY THEORY AND APPLICATION

Editors-in-Chief

Marcus Rothenberger
University of Nevada Las Vegas

Mark Srite
University of Wisconsin – Milwaukee

Tuure Tuunanen
University of Oulu

Governing Board

Kalle Lyytinen , <i>AIS Vice President for Publications</i>	Case Western Reserve University	Lars Mathiassen	Georgia State University
Ken Peffers , <i>Founding Editor, Emeritus Editor-in-Chief</i>	University of Nevada Las Vegas	Douglas Vogel , <i>AIS President-Elect</i>	City University of Hong Kong
Rajiv Kishore , <i>Emeritus Editor-in-Chief</i>	State University of New York, Buffalo		

Senior Advisory Board

Tung Bui	University of Hawaii	Gurpreet Dhillon	Virginia Commonwealth Univ
Brian L. Dos Santos	University of Louisville	Sirkka Jarvenpaa	University of Texas at Austin
Robert Kauffman	Arizona State University	Julie Kendall	Rutgers University
Ken Kendall	Rutgers University	Ting-Peng Liang	Nat Sun Yat-sen University, Kaohsiung
Ephraim McLean	Georgia State University	Timo Saarinen	Aalto Univ. School of Economics
Edward A. Stohr	Stevens Institute of Technology	J. Christopher Westland	HKUST

Senior Editors

Roman Beck	University of Frankfurt	Jerry Chang	University of Nevada Las Vegas
Kevin Crowston	Syracuse University	Wendy Hui	Curtin University
Karlheinz Kautz	Copenhagen Business School	Yong Jin Kim	State Univ. of New York, Binghamton
Peter Axel Nielsen	Aalborg University	Balaji Rajagopalan	Oakland University
Jan Recker	Queensland University of Technology	Nancy Russo	Northern Illinois University
Jason Thatcher	Clemson University		

Editorial Review Board

Murugan Anandarajan	Drexel University	F.K. Andoh-Baidoo	University of Texas Pan American
Patrick Chau	The University of Hong Kong	Brian John Corbitt	Deakin University
Khalil Drira	LAAS-CNRS, Toulouse	Lee A. Freeman	The Univ. of Michigan Dearborn
Peter Green	University of Queensland	Chang-tseh Hsieh	University of Southern Mississippi
Peter Kueng	Credit Suisse, Zurich	Glenn Lowry	United Arab Emirates University
David Yuh Foong Law	National Univ of Singapore	Nirup M. Menon	University of Texas at Dallas
Vijay Mookerjee	University of Texas at Dallas	David Paper	Utah State University
Georg Peters	Munich Univ of Appl. Sci.	Mahesh S. Raisinghan	University of Dallas
Rahul Singh	Univ. of N. Carolina, Greensboro	Jeffrey M. Stanton	Syracuse University
Issa Traore	University of Victoria, BC	Ramesh Venkataraman	Indiana University
Jonathan D. Wareham	Georgia State University		

JITTA IS A PUBLICATION OF THE ASSOCIATION FOR INFORMATION SYSTEMS

ISSN: 1532-3416

