

## Minitrack: E-Commerce Systems Development Methodologies

Matti Rossi<sup>1</sup>, Virpi Kristiina Tuunainen<sup>1</sup>, Keng Siau<sup>2,3</sup>, Sandeep Purao<sup>3</sup>

<sup>1</sup>*Helsinki School of Economics and Business Administration*  
*P.O. Box 1210, FIN-00101 Helsinki, Finland. [mrossi@hkkk.fi](mailto:mrossi@hkkk.fi), [tuunaine@hkkk.fi](mailto:tuunaine@hkkk.fi)*

<sup>2</sup>*Department of Management, 209 College of Business Administration*  
*University of Nebraska – Lincoln, Lincoln, NE 68588-0491, USA. [ksiau1@unl.edu](mailto:ksiau1@unl.edu)*

<sup>3</sup>*School of Information Sciences and Technology*  
*The Pennsylvania State University, University Park*  
*State College, PA 16802, USA.. [spurao@ist.psu.edu](mailto:spurao@ist.psu.edu)*

This minitrack hosts three papers covering different aspects of e-commerce development methodologies. This is the third year we are chairing this minitrack at HICSS. We have observed the field evolving and maturing over time. For example, the submissions to this year's minitrack begin to cover topics, which represent a relatively mature view of e-commerce systems development. Despite the collapse of many new ventures, most of the traditional businesses are just starting to exploit the opportunities of e-business. These players are less intrigued by fancy new features of interfaces and are more concerned about how their work gets done more effectively and efficiently through the web. At the same time they put emphasis on issues such as transaction handling, security, and stability. So we hope that also in research we will see rigorous studies of the evolution of e-commerce systems development in the future. These could use longitudinal case studies, as the two first papers in here, or conceptual approaches and literature reviews. Examples of the latter are papers three and four of this minitrack.

The papers for the mini-track were selected after a thorough reviewing process. Together, these papers

present a snapshot of emerging issues relevant to the field. The first paper "The Birth of An E-Business Architecture" by Kari Smolander presents a case study of problems encountered while developing e-commerce architecture for a large organization. Jaap Gordijn and Hans Akkermans take a look at the practical value of business modelling in their article titled: "Does e-Business Modeling Really Help?" The third paper, "Business Process Engineering versus E-Business Engineering" by Wil Janssen, Maarten Steen and Henry Franken look at the possible lessons learned from BPR approaches and how they could be used to guide e-business engineering. "Relationship Analysis: A Research Plan for Enhancing Systems Analysis For Web Development" by Bieber et al. tackles the role of relationship modelling in e-commerce systems development. The final paper of the workshop, "Software Business Models and Contexts for Software Innovation: Key Areas for Software Business Research" looks at e-commerce from the perspective of developing research agenda for the business of systems development.