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IFIP was founded in 1960 under the auspices of UNESCO, following the First World Computer Congress held in Paris the previous year. An umbrella organization for societies working in information processing, IFIP's aim is two-fold: to support information processing within its member countries and to encourage technology transfer to developing nations. As its mission statement clearly states,

IFIP's mission is to be the leading, truly international, apolitical organization which encourages and assists in the development, exploitation and application of information technology for the benefit of all people.

IFIP is a non-profitmaking organization, run almost solely by 2500 volunteers. It operates through a number of technical committees, which organize events and publications. IFIP's events range from an international congress to local seminars, but the most important are:

- The IFIP World Computer Congress, held every second year;
- Open conferences;
- Working conferences.

The flagship event is the IFIP World Computer Congress, at which both invited and contributed papers are presented. Contributed papers are rigorously refereed and the rejection rate is high.

As with the Congress, participation in the open conferences is open to all and papers may be invited or submitted. Again, submitted papers are stringently refereed.

The working conferences are structured differently. They are usually run by a working group and attendance is small and by invitation only. Their purpose is to create an atmosphere conducive to innovation and development. Refereeing is less rigorous and papers are subjected to extensive group discussion.

Publications arising from IFIP events vary. The papers presented at the IFIP World Computer Congress and at open conferences are published as conference proceedings, while the results of the working conferences are often published as collections of selected and edited papers.

Any national society whose primary activity is in information may apply to become a full member of IFIP, although full membership is restricted to one society per country. Full members are entitled to vote at the annual General Assembly. National societies preferring a less committed involvement may apply for associate or corresponding membership. Associate members enjoy the same benefits as full members, but without voting rights. Corresponding members are not represented in IFIP bodies. Affiliated membership is open to non-national societies, and individual and honorary membership schemes are also offered.

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Governance and Sustainability in Information Systems

Managing the Transfer
and Diffusion of IT

IFIP WG 8.6 International Working Conference
Hamburg, Germany, September 22-24, 2011
Proceedings

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Welcome

This book constitutes the proceedings of the 2011 International Working Conference of the International Federation for Information Processing Working Group 8.6. The working conference entitled Governance and Sustainability in Information Systems - Managing the Transfer and Diffusion of IT – is focusing on subjects concerning sustainability and takes place in Europe’s Green Capital 2011 – Hamburg, Germany.

In nowadays world, organizations act in globalized and competitive markets where information technology is the backbone of almost all distributed business processes. Therefore, products and services are increasingly affected by aspects of governance, risk and compliance in information systems. The information systems’ point of view requires methods and procedures to achieve assurance in information systems. Being not compliant with legal requirements and internal or cross-organizational policies can cause highly negative impacts. Managing information systems needs to take into account these issues to achieve a sustainable use and adoption of information technology.

The 2011 International Working Conference of the International Federation for Information Processing Working Group 8.6 aims at promoting scientific and practical excellence on aspects of transfer and diffusion of information technology. In total, 47 submissions have been made to the conference. The reviews have been performed by a program committee consisting of 39 recognized researchers. This book contains 14 accepted full research papers and 16 research in progress and practice paper. The full research papers are divided into the clusters Governance (Part 1), Sustainability (Part 2), Design Themes (Part 3), Customer and User Integration (Part 4) and Future Subjects (Part 5).

The first part of research papers cover a wide scope of strategic and innovative aspects in IT-Governance. The paper written by *Arisa Shollo* “Using Business Intelligence in IT Governance Decision Making“ paper discusses how BI can be used in a decision environment from a user’s perspective validated by a case study . The article “Exposing Differences in Governance Approaches in Single and Multi Vendor Open Source Software Development” by *Mario Schaarschmidt, Matthias Bertram* and *Harald von Kortzfleisch* analyses open source software projects from different perspectives concerning government approaches. *Jan Pries-Heje* and *Ann-Dorte Fladkjær Nielsen* (“Innovative Project Idea Maturation: An important part of Governance”) present an important proposal in order to support project manager by elicitation of innovative project ideas.

The papers of the track Sustainability comprehend aspects of sustainable partner selection within a supply-chain-management concept, governance teaching and barrier free usage of ICT. Partner selection within supply-chain-networks is an important success factor. *David Wittstruck* and *Frank Teuteberg*

(“Towards a holistic Approach for Sustainable Partner Selection in the Electrics and Electronics Industry”) develop an integrated multi-criteria decision model (MCDM) for partner selection. As sustainability requires the support of all company stakeholders, the paper of *Carl Stolze, Matthias Boehm, Novica Zarvic* and *Oliver Thomas* (“Towards Sustainable IT by Teaching Governance Practices for Inter-Organizational Dependencies”) present an approach to support a networked teaching to unleash the full potential of IT as enabler for sustainability. *Daryoush Daniel Vaziri* (“Sustainability aspects of barrier-free information- and communication technology in the private sector”) investigates the impact of barrier-free ICT on sustainability aspects and includes business economical, ecological and social perspectives.

Part 4 focuses on Customer and User Integration. “Design Themes” provides the reader with three research papers. *David Wastell* and *Sue White* (“Make kitsch the enemy: the “monstrous carbuncle” of the UK’s vetting and barring scheme”) analysed a major national IS initiative in the UK in order to show the influence of design principles on information systems. *Ranjan Vaidya, Michael Myers* and *Lesley Gardner* (“The design – reality gap: The impact of stakeholder strategies on IS implementation in developing countries”) set a focus on developing countries and analyse the influence of stakeholder strategies to design and implementation of information systems. *Manuel Wiesche, Michael Schermann* and *Helmut Krcmar* (“Understanding the Role of Information Technology for Organizational Control Design: Risk Control as New Control”) add a risk-based perspective for the body of knowledge on organizational control design.

The last chapter of full research papers comprises Future Subjects *Yogesh Dwivedi, Nripendra P. Rana, Hsin Chen* and *Michael Williams* (“A Meta-Analysis of the Unified Theory of Acceptance and Use of Technology (UTAUT)”) analyse the literature of unified theory of acceptance. One important finding is that the majority of studies have ignored the structure of original theory. Web 2.0 applications increasingly used in companies to integrate their customers. The paper from *Ulrich Bretschneider* and *Jan Marco Leimeister* (“Getting customers’ motives: Lean on motivation theory for designing virtual ideas communities”) analyses the motives of the participants of the SAPiense ideas community which generates on a voluntary basis valuable ideas. *Björn Johansson* (“Diffusion of Open Source ERP systems development: How Users are Involved”) explores how the requirement management process is organized in development of open source ERP systems and compares it with the procedure in developing proprietary ERP products.

We would like to acknowledge the contributions of the program committee, additional reviewers as well as Hamburg University and the organizing committee for their efforts.

July 2011

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