

HICSS-44 SCHEDULE OF PAPER PRESENTATIONS January 4-7, 2011

Names in **bold** indicate registration as of Dec 1. We regret any error, due to our oversight or an author's.

COLLABORATION SYSTEMS AND TECHNOLOGY TRACK

Co-Chairs: Robert Briggs and Jay Nunamaker

Advances in Teaching and Learning Technologies

Co-Chairs: David Spencer and Eric Santanen

CL 1 Wednesday / Grand Ballroom 6 / 8:00 – 9:30

Matching the Affordances of Wikis to Collaborative Learning: A Case Study of IT Project Students

*Andreas Kuswara and **Debbie Richards***

Virtual Team Role Play Using Second Life for Teaching Business Process Concepts

*Amit Rudra, Bjorn Jaeger, **Ashley Aitken**, Vanessa Chang and Berit Helgheim*

Investigating the Trend of Non-Task Social Interactions in Online

Babak Abedin

CL 2 Wednesday / Grand Ballroom 6 / 10:00 – 11:30

Using Interactive Graphical Tools to Overcome the “Collage Effect” in Collaborative Learning Environments

Christopher Slade and Daniel Suthers

☞ Designing Technological Support for Meaning Making in Museum Learning: An Activity-Theoretical Framework

Victor Kaptelinin

Mapping Learning Aids and Introducing Learning Styles as a Moderator

Margit Kastner and Brigitte Stangl

CL 3 Wednesday / Grand Ballroom 6 / 2:00 – 3:30

Collaborative Learning through Wireless Grids

***Angela Ramnarine-Rieks**, Lee McKnight, and Ruth Small*

A Study of Structured Lecture Podcasting to Facilitate Active Learning

David Nickles and Daniel Suthers

A Cross-Cultural Collaborative Learning Project: Learning about Cultures and Research Methods

***Margaret Kersten** and Trudy O'Brien*

Ammunition Multimedia Encyclopedia (AME): A Case Study

*Joyce Lucca, Ramesh Sharda, John Ruffner, Upton Shimp, **David Biro**, and Andrew Clower*

☞ **Best Paper Nomination**

Cognitive Perspectives on Collaboration

Chair: Gwendolyn Kolfschoten

CL 4 Thursday / Grand Ballroom 6 / 8:00 – 9:30

☞ The Role of Group Cognition in Enterprise Architecting
Alberto Espinosa, Frank Armour, and WaiFong Boh

A Team Mental Model Perspective of Pre-Quantitative Risk
Lynne Cooper

A Field Investigation of the Nostalgia Effect

Birud Sindhav, Bruce Reinig, and Robert Briggs

CL 5 Thursday / Grand Ballroom 6 / 10:00 – 11:30

Developing Collaboration Awareness Support from a Cognitive Perspective

Pedro Antunes and António Ferreira

Cognitive Load in Collaboration – Brainstorming

Gwendolyn Kolfschoten

Collaboration and Competition in Global Software Development

Co-Chairs: Suling Zhang and David Shani

CL 6 Wednesday / Grand Ballroom 6 / 4:00 – 5:30

On Bilateral Effort Contribution to IT Outsourcing

Gang Peng and Rammohan Kasuganti

Onshore-Offshore Competition: A Stage Model

Suling Zhang

Antecedents of ISD Offshoring Outcomes: Exploring Differences between India and China

Kai Spohrer, Armin Heinzl, and Yan Liu

Collaboration in Virtual Worlds and Metaverses

Co-Chairs: Gert-Jan de Vreede, Moez Limayem, and Imed Boughzala

CL 7 Thursday / Grand Ballroom 6 / 2:00 – 3:30

Examining Work Performance in Immersive Virtual Environment versus Face-to-Face Physical Environments through Laboratory Experimentation


Richard Bergin, Bryan Hudgens, and Mark Nissen

☞ If You Build It Will They Come? An Empirical Investigation of Facilitators and Inhibitors of Hedonic Virtual World Acceptance
Samuel Goh and Tom Yoon

Collaborative Modeling

Co-Chairs: **Douglas Druckenmiller** and **Etiënne Rouwette**

CL 8 Thursday / Grand Ballroom 6 / 4:00 – 5:30

 Collaborative Modeling of Awareness in Critical Infrastructure Protection

Josune Hernantes, Ana Laugé, Leire Labaka, Eliot Rich, Finn Olav Sveen, Sarriegi, Ignacio J. Martinez-Moyano, and Jose Gonzalez

Conflict Analysis at Collaborative Development of Domain Specific Models using Description Logics

Christian Bartelt

Collaboration and Modeling in Ambient Systems: Vision, Concepts and Experiments

Bent Kristensen, Daniel May, and Palle Nowack

Philosophical Requirements of a Comprehensive D.I. System for Collaborative Modeling

William Acar and Douglas Druckenmiller

Creativity in Teams and Organizations

Co-Chairs: **Triparna de Vreede**, **Roni Reiter-Palmon**, and **Gerhard Schwabe**

CL 9 Friday / Grand Ballroom 6 / 8:00 – 9:30

Attention-Experience Disparities and the Influence of Idea Visibility on Idea Integration in Electronic Brainstorming: A Computational Model

Elahe Javadi, Wai-Tat Fu, and Judith Gebauer

Idea Engineering: A Case Study of a Practically Oriented University Course in Innovation

Graham Horton, Rene Chelvier, Stefan Knoll, and Jana Görs

Team Creative Processes: The Importance of Complementary and Shared Mental Models

Deanna Kennedy

CL 10 Friday / Grand Ballroom 6 / 10:00 – 11:30

The Impact of Stimuli Characteristics on the Ideation Process: An Evaluation of the Change of Perspective 'Analogy'

Stefan Knoll and Graham Horton

The Role of Thinking Style and Innovative Intentions for Optimal Creativity and Innovation in Organizations

Charles Vance, John Ettlie, and Kevin Groves

 **Best Paper Nomination**

Cross-Organizational and Cross-Border IS/IT Collaboration

Co-Chairs: **James B. Pick**, **Nicholas C. Romano, Jr.**, and **Narczyz Roztock**


CL 11 Friday / Grand Ballroom 6 / 1:00 – 2:30

The Amount of Control in Offshore Software Development Projects: An Investigation of Twelve Projects

Robert Hartmann, Martin Wiener, and Ulrich Remus

Investigating the Differences between Success Factors of Conventional IS Outsourcing and Quasi-outsourcing

Karin Väyrynen and Marianne Kinnula

 Application Service Provider (ASP) in China: An Empirical Study of System and Service Satisfaction

Xiao Tang, Chung-Yean Chiang, Zhenyu Liu, and Jianzong Lin

CL 12 Friday / Grand Ballroom 6 / 3:00 – 4:30

IOS Resources, Electronic Cooperation and Performance: A Conceptual Model

Dong-Heon Kwak and K. (Ram) Ramamurthy

Managing Dependencies in Inter-Organizational Collaboration: The Case of Shared Services for Application Hosting Collaboration in Australia

Mark Borman and Frank Ulbrich

Knowledge Sharability in Cross-organizational Collaboration: An Exploratory Field Study

Imed Boughzala and Robert Briggs


Emerging Issues in Distributed Group Decision-Making: Opportunities and Challenges

Co-Chairs: **A. K. Aggarwal**, **Doug Vogel**, and **Sree Nilakanta**

CL 13 Wednesday / Grand Ballroom 7 / 8:00 – 9:30

A Longitudinal Comparison of Leader-Follower Relationships Between High and Low Performing Self-Managed Work Teams in Virtual Settings

JoAnne Yong-Kwan Lim and Laku Chidambaram

 Ambassadorial Leader Behavior and its Relationship with Virtual Team Performance

Michael Ryan and Claudia Coglisser

3Knowledge Sourcing and Knowledge Consumption in Computer-Mediated Complex Decision Making

Nathan Twyman, Jeffrey Jenkins, Jay Nunamaker, and Katherine Carl

The Comparison Study between the US and Japan on the Sense of Security, Anshin with non-Computer-Science Students

Yuko Murayama, Carl Hauser, Yasuhiro Fujihara, Dai Nishioka, and Atsushi Inoue

CL 14 (papers moved to other minitracks)

Global Virtua Teams
Co-Chairs: Mike Hine, Frederick Zarndt,
and Derrick L. Cogburn

CL 15 Wednesday / Grand Ballroom 7 / 2:00 – 3:30

Developing and Validating a Socio-Technical Model for Geographically Distributed Collaboration in Global Virtual Teams

Derrick Cogburn, Alecia Santuzzi, and Fatima Espinoza Vasquez

Enhancing the Performance of Software Development Virtual Teams through the Use of Agile Methods: A Pilot Study

Saggi Nevo and InduShobha Chengalur-Smith

Instant Messenger in Offshore Outsourced Software Development Projects: Experiences From a Case Study

Erik Wende and Tom Philip

The Impact of Team Virtuality and Task Complexity on NPD Coordination Modes

Céline Péréa, Caroline Mothe, and Sébastien Brion


CL 16 Wednesday / Grand Ballroom 7 / 4:00 – 5:30

A Culturally-Attuned Distributed Decision Making Model of Global Virtual Teams in the World Summit on the Information Society

Norhayati Zakaria and Derrick Cogburn

The Effect of Personal Disclosure within Teams: Can Faultlines in Geographically-dispersed Teams be Bridged?

Yi-Te Chiu and Sandy Staples

 Trust Over Time and Distance in Global Partially Distributed Teams

Linda Plotnick, Starr Hiltz, and Rosalie Ocker

Human-Computer Interaction (HCI)

Co-Chairs: Joe Valacich, John Wells,
and Ryan Wright

CL 17 Thursday / Grand Ballroom 7 / 8:00 – 9:30

 An Explanatory Model of Collaborative Online Travel Planning by Millennials

Arnold Kamis and Jonathan Frank

User Experience in Online Social Networks: A Qualitative Analysis of Key Activities and Associated Features

Victor Perotti and Neil Hair

Spyware Knowledge in Anti-Spyware Program Adoption: Effects on Risk, Trust, and Intention to Use

Dong-Heon Kwak, Donna Kizzier, and Euisung Jung

CL 18 Thursday / Grand Ballroom 7 / 10:00 – 11:30

A Model of Coping with Technological Interruptions

Ana Ortiz de Guinea and Jane Webster

 **Best Paper Nomination**

Filing, Piling & Structuring: Strategies for Personal Document Management

Sarah Henderson and Ananth Srinivasan

What Are Your Intentions: An Empirical Analysis of the Distinction between Behavioral Intentions and Behavioral Goals?

Damon Campbell, Veena Parboteeah, and Alexander Dipascal

CL 19 Thursday / Grand Ballroom 7 / 2:00 – 3:30

Purposeful Visualization

Xiaoyan Bai, David White, and David Sundaram

Robot-Supported Cooperative Work: A Shared-Shopping Scenario

Hermann Kaindl, Roman Popp, David Raneburger, Dominik Ertl, Jürgen Falb, Alexander Szep, and Cristian Bogdan

Showing a Progress Bar While Executing Stored Procedures!

Mohsen Doroodchi, Amin Roudaki, and Juan Li

Negotiation Support Systems and Emergency Response Information Systems

Co-Chairs: Tung Bui, Melvin Shakun, Murray Turoff,
and Bartel Van de Walle

CL 20 Thursday / Grand Ballroom 7 / 4:00 – 5:30

Extrinsic or Intrinsic Motivation of E-negotiation Experiments' Participants

Gregory Kersten, Shikui Wu, and Clemons Oertel

Network-centric Control for Multirobot Teams in Urban Search and Rescue

Michael Lewis and Katia Sycara

On Grievance Protocols for Conflict Resolution in Open Multi-agent Systems

Adriana Giret and Pablo Noriega

Processes and Systems for Collaboration Support

Co-Chairs: Robert Briggs, Gert-Jan de Vreede,
and Gwendolyn Kolfschoten

CL 21 Friday / Grand Ballroom 7 / 8:00 – 9:30

Collaboration Engineering for Innovation Design Processes Using the Outcome-driven Approach

Jens Faehling, Jan Marco Leimeister, and Helmut Krcmar

Designing Effective Virtual Organizations as Sociotechnical Systems

John Carroll and Jing Wang

Simulating Collaboration Processes to Understand and Predict Group Performance

Gwendolyn Kolfschoten, Stephan Lukosch,
and Mamadou Seck

Managing Knowledge for Organization-wide Ad Hoc Committees
Alok Sharma, Les Miller, and Sree Nilakanta

CL 22 Friday / Grand Ballroom 7 / 10:00 – 11:30

 The Collaborative Nature of Interruption Handling
Carsten Ritterskamp

Design and Implementation of Java Sniper - A Community-based Software Code Review Web Solution

Xuesong (Sonya) Zhang, Bradley Dorn, William Jester, Jason Van Pelt, Guillermo Gaeta, and Daniel Firpo

Collaborative e-Marketplaces Containing Clusters of SMEs: Drivers and Barriers in the Local Food Sector

Alexandra Petrakou, Patrik Brandt, Rune Gustavsson, and Päivi Jokela

ARCADE: Action-centered Rapid Collaborative Application Development and Execution

Azamat Mamejtanov, Douglas Kjeldgaard, Todd Pettepier, Conan Albrecht, Stephan Lukosch, and Robert Briggs

Social Networks and Collaboration
Co-Chairs: Donald Steiny, Oinas-Kukkonen Harri, and Jeffrey Nickerson

CL 23 Wednesday / Garden Isle 1-2 / 8:00 – 9:30

An Analysis of the Openness of the Web2.0 Service Network Based on Two Sets of Indices for Measuring the Impact of Service Ownership

Kibae Kim, Junseok Hwang, and Jörn Altmann

Improving Weather and Climatic Information Quality with User-generated Observations

Katarina Elevant and Marko Turpeinen

Leveraging Social Network Analysis to Improve the Implementation of Evidence-Based Practices and Systems in Healthcare

Priscilla Arling, Bradley Doebbeling, and Rebekah Fox

CL 24 Wednesday / Garden Isle 1-2 / 10:00 – 11:30

On the Correlation between Research Performance and Social Network Analysis Measures Applied to Research Collaboration Networks

Alireza Abbasi and Jörn Altmann

User Groups in Social Networks: An Experimental Study on YouTube

Michael Steve Stanley Laine, Gunes Ercal, and Bo Luo

Stigmergy and Collaboration: Tracing the Contingencies of Mediated Interaction

Devan Rosen and Daniel Suthers

CL 25 Wednesday / Garden Isle 1-2 / 2:00 – 3:30

Using Social Networking Technology to Enhance Learning in Higher Education: A Case Study using Facebook

Peter Ractham and Daniel Firpo

Visualization and Analysis of Social Networks of Research Funding

James Folkstad and Stephen Hayne

Technology Mediated Collaborations in Healthcare
(see additional papers in Healthcare Track) *
Co-Chairs: Souren Paul and Arkalgud Ramaprasad


CL 26 Thursday / Kauai Ballroom 3 / 2:00 – 3:30

An Intelligence Risk Detection Framework to Improve Decision Efficiency in Healthcare Contexts: the Example of Pediatric Congenital Heart Disease

Fatemeh Moghimi, Nilmini Wickramasinghe, and Hossein Seif Zadeh

Applying a Pervasive Technology Solution to Facilitate Better Healthcare Delivery to Native American Patients: The Example of DiaMonD

Nilmini Wickramasinghe, Suresh Chalasani, Steve Goldberg, and Sridevi Koritala

 Improved Patient Outcomes Through Collaborative Monitoring and Management of Subtle Behavioral and Physiological Health Changes

Paul Fortier, Brendon Puntin, and Osama Aljaroudi

*** HC 11** Thursday / Kauai Ballroom 3 / 4:00 – 5:30

A Patient Profile Ontology in the Heterogeneous Domain of Complex and Chronic Health Conditions

Tara Sampalli, Michael Shepherd, and Jack Duffy

Users as Heterogeneous Engineers - The Challenge of Designing Sustainable Information Systems in Health Care

Kristoffer Røed and Gunnar Ellingsen

Policy-based Awareness: Implications in Rehabilitation Video Games

Amir Talaei-Khoei, Pradeep Ray, and Nandan Parameshwaran

 **Best Paper Nomination**

**DECISION TECHNOLOGIES, MOBILE TECHNOLOGIES,
AND SERVICE SCIENCES TRACK**
Co-Chairs: Dan Dolk and Christer Carlsson

Advanced Analytics for Managerial Decision Support
Co-Chairs: Dursun Delen and Haluk Demirkan


DT 1 Friday / Garden Isle 4-5 / 8:00 – 9:30

Construct a Sequential Decision-Making Model: A Dynamic Bayesian Network Perspective
Shing Doong and Shu-Chun Ho

K-Means Clustering with Bagging and MapReduce
Haiguang Li, Gongqing Wu, Xuegang Hu, Jing Zhang, Lian Li, and Xindong Wu

Comparisons of the Performance of Computational Intelligence Methods for Loan Granting Decisions
Jozef Zurada and Niki Kunene

DT 2 Friday / Garden Isle 4-5 / 10:00 – 11:30

 Commonsense Knowledge Supported Intelligent News Analysis System for Portfolio Risk Prediction
Kun Chen, Zonghang Yang, Huaqing Wang, and Libo Liu

A Portfolio Theoretic Approach to Administering Advanced Analytics: The Case of Multi-Stage Campaign Management
Sule Balkan and Michael Goul

A Conceptual Model of Real World, High Stakes Deception Detection
Joseph Thomas and David Biros

Information Security and Cyber Crime
Co-Chairs: Rick Sheldon and Mark Elmore

DT 3 Wednesday / Grand Ballroom 3 / 8:00 – 9:30

An Evidential Reasoning Approach to Fraud Risk Assessment under Dempster-Shafer Theory: A General Framework
Lei Gao, Theodore Mock, Rajendra Srivastava

A New Scheme for Anonymous Secure Group Communication
Xukai Zou, Mingrui Qi, Feng Li, Yan Sui, and Kai Wang

DT 4 Wednesday / Grand Ballroom 3 / 10:00 – 11:30

 Component-Oriented Monitoring of Binaries for Security
Raghavendra Rajkumar, Andrew Wang, Jason Hiser, Anh Nguyen-Tuong, Jack Davidson, and John Knight

Exploring Covert Channels
Jason Jaskolka and Ridha Khedri

Function Extraction Technology: Computing the Behavior of Malware
Richard Linger, Kirk Sayre, Tim Daly, and Mark Pleszkoch

 **Best Paper Nomination**

DT 5 Wednesday / Grand Ballroom 3 / 2:00 – 3:30

Identifying and Visualizing the Malicious Insider Threat Using Bipartite Graphs
Kara Nance and Raffael Marty

Information Technology Failures: What the Media Says and Managers Know
Heli Tervo and Timo Wiander

IPv6: Nowhere To Run, Nowhere To Hide
Stephen Groat, Matthew Dunlop, Randy Marchany, and Joseph Tront

DT 6 Wednesday / Grand Ballroom 3 / 4:00 – 5:30

StaticTrust: A Practical Framework for Trusted Networked Devices
Jack Harris and Raquel Hill

Validating Cyber Security Requirements: A Case Study
Robert Abercrombie, Frederick Sheldon, and Ali Mili

Log-based Distributed Security Event Detection Using Simple Event Correlator
Justin Myers, Michaela Grimaila, and Robert Mills

Debasis Bhattacharya (Presentation Only)

“Small businesses often display a lack of concern towards cyber-crime and information security problems....[there is] significant correlation between transactional and transformational leadership styles and the level of concern...”

**Information Systems and Decision Technologies
for Sustainable Development**
**Co-Chairs: Omar El-Gayar, PingSun Leung,
and Arno Scharl**

DT 7 Thursday / Grand Ballroom 3 / 8:00 – 9:30


Real-Time Data Collection for Product Carbon Footprints in Transportation Processes Based on OBD2 and Smartphones
Hendrik Hilpert, Lars Thoroe, and Matthias Schumann

A Service Access Control Framework for a Sensor Service Architecture
Ralf Denzer, Sascha Schlobinski, Reiner Güttler, Pascal Dihe, Martin Scholl, and Sebastian Puhl

A Decision Support System for Urban Climate Change Adaptation
Ralf Denzer, Sascha Schlobinski, and Lars Gidhagen

DT 8 Thursday / Grand Ballroom 3 / 10:00 – 11:30

The Development of an EDSS: Lessons Learned and Implications for DSS Research
Omar El-Gayar, Amit Deokar, Lucas Michels, and Gene Fosnight

 A Game-Theoretic Approach to Decision Support for Intelligent Water Distribution
Jing Lin, Sahra Sedigh, and Ann Miller

Learning Occupancy Prediction Models with Decision-Guidance Query Language

Abdullah Alrazgan, Ajay Nagarajan, Alexander Brodsky, and Nathan Egge

DT 9 Thursday / Grand Ballroom 3 / 2:00 – 3:30

The Kukui Cup: a Dorm Energy Competition Focused on Sustainable Behavior Change and Energy Literacy

Robert Brewer, George Lee, and Philip Johnson

Citizen Energy: Towards Populist Interactive Micro-Energy Production

Eric Paulos and James Pierce

Transportation Marketplaces: How Can Green-IS Help to Promote Sustainable Logistics?

Michael Schwind, Andreas Stenger, and Susanne Aponte

DT 10 Thursday / Grand Ballroom 3 / 4:00 – 5:30

An Introduction to the Green IT Balanced Scorecard as a Strategic IT Management System

Yulia Wati and Chulmo Koo

Making Stakeholder Dialogue for Sustainability Issues Happen – Benefits, Reference Architecture and Pilot Implementation for Automated Sustainability Reporting à la Carte

Ralf Isenmann, Jorge Marx Gómez, and Daniel Süpke

Intelligent Decision Support for Logistics and Supply Chain Management

Co-Chairs: Hans-Jürgen Sebastian, **Stefan Voss**, and Andreas Fink

DT 11 Friday / Grand Ballroom 3 / 8:00 – 9:30

Session Chair: Hans-Jürgen Sebastian

Supporting the Supplier Scheduling Decisions in the E-Invoicing Implementation Projects - an Application of the ANP Method

Hannu Kivijarvi, Petri Hallikainen, and Esko Penttinen

Modeling and Analysis of Supply Chain Risk System under the Influence of Partners' Collaboration

Benjamin P.-C. Yen and Bingcong Zeng

The Information Value of Item-level RFID in Retail Supply Chain Operations

Christoph Goebel and Oliver Günther

DT 12 Friday / Grand Ballroom 3 / 10:00 – 11:30


Session Chair: **Stefan Voss**

Decision Support for Bids in Process Plant Engineering

Dirk Mattfeld and Jiayi Yang

TISCSOFT: A Decision Support System for Transportation Infrastructure and Supply Chain System Planning

Manjunath Kamath, Sandeep Srivathsan, Ricki G. Ingalls, Guoqiang Shen, and P. Simin Pulat

 Reusing Relational Queries for Intuitive Decision Optimization

Alexander Brodsky, Nathan Egge, and X. Sean Wang

DT 13 Friday / Grand Ballroom 3 / 3:00 – 4:30

Session Chair: Alex Bordetsky

Discrete Lot-Sizing and Scheduling with Sequence-Dependent Times and Costs including Deterioration and Perishability Constraints

Julia Pahl, Stefan Voss, and David Woodruff

Centralized Cooperative Positioning for Underwater Sensor Networks: A Weighted Gradient Approach

Xing Tan, Jian Li, and Peter Stoica

Optimal Arrangements for Assembling a Network in an Emergency

James Campbell and Jeffrey Nickerson

Mobile Business and Services: Development, Use and Value Creation

Co-Chairs: Felix Hampe,

Virpi Kristina Tuunainen, and Tuure Tuunainen

DT 14 Wednesday / Garden Isle 5 / 8:00 – 9:30

Exploration of Location-Based Services Adoption

Brad McKenna, Tuure Tuunainen, and Lesley Gardner

The Role of Mobile Self-Efficacy in the Adoption of Location-Based Applications: An iPhone Experiment

Mark Keith, Jeffrey Babb Jr., Christopher Furner, and Amjad Abdullat

Towards Open Telco – Business Models of API Management Providers

Yrjo Raivio, Sakari Luukkainen, and Saku Seppälä

DT 15 Wednesday / Garden Isle 5 / 10:00 – 11:30

Exploring the Impact of Usefulness and Enjoyment on Mobile Service Acceptance: A Comparative Study

Susanne Niklas and Stefan Strohmeier

IISIn - A Model for Analyzing ICT Intensive Service Innovations in n-sided Markets

Virpi Tuunainen and Tuure Tuunainen

An Experimental Study of Financial Portfolio Selection with Visual Analytics for Decision Support

Anya Savikhin, Hon Lam, Brian Fisher, and David Ebert

DT 16 Wednesday / Garden Isle 5 / 2:00 – 3:30

Process Improvement and Consumer-Oriented Design of an Inter-organizational Information System for Emergency Medical Response

Benjamin Schooley, Brian Hilton, Yousef Abed, Yoonmi Lee, and Thomas Horan

Towards a Taxonomy of Requirements for Hybrid Products

Alexander Herzfeldt, Robert Briggs, Aaron Read, and Helmut Krcmar

 **Best Paper Nomination**


Multi-criteria Decision Support Systems

Chair: H. Roland Weistroffer

DT 17 Wednesday / Garden Isle 5 / 4:00 – 5:30

A Randomized Algorithm for Maximizing the Diversity of Recommendations

Khalid Alodhaibi, Alexander Brodsky, and George Mihaila

 The Development and Application of a Multiple Criteria Model to Creating Teams

Ronald Klimberg, George Silup, Kevin Boyle, and Ira Yermish

How Do People Resolve Dilemmas? Eliciting Subjective Decision Factors

Chen-Kuo Pai, Ronald Lee, David Hinds, Weidong Xia, and Bruce Seaton

Service Sciences, Management and Engineering (SSME)

Co-Chairs: Fu-ren Lin, Paul Maglio, Michael J. Shaw

Thursday / Garden Isle 4-5 / 8:00 – 9:30

Panel Service Science Research: Building Synergy between Theory, Methods, and Applications

Paul Maglio (chair), Michael J. Shaw, and Fu-ren Lin


DT 18 Thursday / Garden Isle 4-5 / 10:00 – 11:30

An Integrative Model of Consumer's Adoption of RFID Credit Card Service

Yu-Qian Zhu and Houn-Gee Chen

Coopetition Based Interaction Design for Optimal Customer Attraction

Yuting Lin and Soe-Tysr Yuan

 Empathic Service Systems: 'Designing' Emotion in a Cancer Care Service System

Patrick Stacey, Elif Bascavusoglu-Moreau, and Bruce Tether

DT 19 Thursday / Garden Isle 4-5 / 2:00 – 3:30

Generating Service Value Webs by Hierarchical Configuration: A Case in Intellectual Property Rights Clearing

Pieter De Leenheer, Jaap Gordijn, and Ivan Razo-Zapata

Groupsona: A Method for Discovering the Needs of Social Interaction Embedded Services

Jyun-Cheng Wang, Cheng-Hsin Chiang, Ching-Hui Chang, and Pei-Wen Chung

Information Needs in Service Systems – A Framework for Integrating Service and Manufacturing Business Processes

Jörg Becker, Daniel Beverungen, Ralf Knackstedt, Martin Matzner, and Oliver Müller

DT 20 Thursday / Garden Isle 4-5 / 4:00 – 5:30

Improving Service Through Just-in-Time Concept in a Dynamic Operational Environment

Kar Way Tan, Na Fu, and Hoong Chuin Lau

Metaphor-Based Alliance Partners Recommendation for Unique and Attractive Destination Image Building

Yu-Chen Yeh, Pei-Hung Hsieh, and Soe-Tysr Yuan

Risk-Reward Sharing in IT Service Contracts – A Service System View

Gerhard Satzger and Axel Kieninger


The Economics of Service Level Engineering

Axel Kieninger, Jens Westernhagen, and Gerhard Satzger

Service Systems and Cloud Computing Services

Co-Chairs: Haluk Demirkan and Michael Goul

DT 21 Friday / Garden Isle 4-5 / 1:00 – 2:30

 Service with an E-smile: Employee Authenticity and Customer Usage of Web-Based Services

Ofir Turel, Catherine Connelly, and Glenda Fisk

A Strategy for Deploying Secure Cloud-Based Natural Language Processing Systems for Applied Research Involving Clinical Text

David Carrell

Customizing IT Service Agreements as a Self Service by Means of Productized Service Propositions

Henrik Brocke, Falk Uebernickel, and Walter Brenner

DT 22 Friday / Garden Isle 4-5 / 3:00 – 4:30

Functional "AJAX" in Secure Synchronous Programming

Hasan Davulcu, Supratik Mukhopadhyay, and Ramesh Bharadwaj

Using Contextual Information for Service Recommendation

LiWei Liu, Nikolay Mehandjiev, and Ling Xu

Cloud Computing – The Business Perspective

Sean Marston, Zhi Li, Subhajyoti Bandyopadhyay, and Anand Ghalsasi

 **Best Paper Nomination**

DIGITAL MEDIA: CONTENT AND COMMUNICATION TRACK

Chair: Michael Shepherd

Documenting Work and Working Documents
Co-Chairs: Kevin Crowston and Carsten Østerlund

DM 4 Wednesday / Kauai Ballroom 5 / 8:00 – 9:30


Track Keynote: Clifford Lynch

*“Digital Documents and Social Scale Systems:
Some Speculations on the Next Ten Years”*

What Characterizes Documents that Bridge Boundaries
Compared to Documents that Do Not? An Exploratory Study of
Documentation in FLOSS Teams
Carsten Østerlund and Kevin Crowston

User Perceptions of an Enterprise Content Management System
Judy Scott

DM 3 Wednesday / Kauai Ballroom 5 / 10:00 – 11:30

 Trace Ethnography: Following Coordination Through
Documentary Practices
R. Stuart Geiger and David Ribes


Constructing Digital Documents: Emerging Themes in
Documentary Practice
Paul Scifleet and Susan Williams

Documenting Work and Working Documents: Perspectives from
Workplace Studies, CSCW, and Genre Studies
Ciaran Trace

Digital Divide/s and Inclusion/s
Co-Chairs: Karine Nahon
and Narcyz Roztocky

DM 1 Wednesday / Kauai Ballroom 5 / 4:00 – 5:30

Technology Diffusion in the Society: Analyzing Digital Divide
in the Context of Social Class
Sunil Wattal, Yili Hong, Munir Mandviwalla, and Abhijit Jain

 Different Paths to Broadband Access: The Impact of
Governance and Policy on Broadband Diffusion in the Developed
and Developing Worlds
David Yates, Girish Gulati, and Joseph Weiss

Gender and Public Access Computing: an International
Perspective
Allison Terry and Ricardo Gomez

Information Access & Retrieval: The Web, Users, and HCI
Co-Chairs: Ray Larson and Carolyn Watters

DM 5 Thursday / Kauai Ballroom 5 / 2:00 – 3:30

A Four Group Cross-Over Design for Measuring Irreversible
Treatments on Web Search Tasks
Li Ma, David Mease, and Daniel Russell

Human Speed-Accuracy Tradeoffs in Search
Christina Aperjis, Bernardo Huberman, and Fang Wu

Strategies for Gaining Visibility on Flickr
Sanna Malinen

User Behaviour during Web Search as Part of Information
Gathering
Anwar Alhenshiri, Carolyn Watters, and Michael Shepherd

Visualizing and Analyzing Digital Media across Scales
Co-Chairs: Brian Fisher, David Ebert,
Mark Elmore, and Paul Kantor

DM 6 Thursday / Kauai Ballroom 5 / 8:00 – 9:30

Describing Temporal Correlation Spatially in a Visual Analytics
Environment
*Ross Maciejewski, Abish Malik, Erin Hodgess, and
David Ebert*

Expanding the Scope: Interaction Design Perspectives for Visual
Analytics
Tera Green, Ron Wakkary, and Richard Arias Hernandez

EdgeAnalyzer: Exploratory Analysis through Advanced Edge
Interaction
*Alexandros Panagiotidis, Harald Bosch, Steffen Koch,
and Thomas Ertl*

DM7 Thursday / Kauai Ballroom 5 / 10:00 – 11:30

Pair Analytics: Capturing Reasoning Processes in Collaborative
Visual Analytics
*Richard Arias-Hernandez, Linda Kaastra, Tera Green, and
Brian Fisher*

WordBridge: Using Composite Tag Clouds in Node-Link Diagrams
for Visualizing Content and Relations in Text Corpora
*KyungTae Kim, Sungahn Ko, Niklas Elmqvist, and
David Ebert*

 **Best Paper Nomination**

44th Hawaii International Conference on System Sciences

Digital Libraries

Co-Chairs: **Frederick Zarndt** and **Andreas Rauber**

DM 2 Wednesday / Kauai Ballroom 5 / 2:00 – 3:30


Breathing New Life into Static Materials
Jieh Hsiang and Shu-Fen Lin

 OCR Correction via Human Computational Game
Jovian Lin and Olivier Amprimo

Uncertainty, Affect, and Information Search
Margaret Meiling Luo, Diane Nahl, and Sophea Chea

Web Information Credibility Analysis
Co-Chairs: **Katsumi Tanaka, Adam Jatowt,**
and **Marie Iding**

DM 8 Friday / Kauai Ballroom 5 / 8:00 – 9:30

 User-Generated Ratings and the Evaluation of Credibility
and Product Quality in Ecommerce Transactions
*Andrew Flanagan, Miriam Metzger, Rebekah Pure, and
Alex Markov*

Gist of a Thread in Social Network Services based on Credibility
of Wikipedia
Akiyo Nadamoto, Yu Suzuki, and Takeshi Abekawa

Sentiment Bias Detection in Support of News Credibility Judgment
*Jianwei Zhang, Yukiko Kawai, Shinsuke Nakajima, Yoshifumi
Matsumoto, and Katsumi Tanaka*

DM 9 Friday / Kauai Ballroom 5 / 10:00 – 11:30

Combining Structured and Unstructured Information Sources
for a Study of Data Quality: A Case Study of Zillow.com
Irit Askira Gelman and Ningning Wu

Deformation Analysis based on Geographical Accuracy and
Spatial Context for Modified Maps Credibility
Daisuke Kitayama, Ryong Lee, and Kazutoshi Sumiya

Discovering Inconsistency in Multimedia News Based on
a Material-Opinion Model
*Ling Xu, Takayuki Yumoto, Shinya Aoki, Qiang Ma, and
Masatoshi Yoshikawa*

DM10 Friday / Kauai Ballroom 5 / 1:00 – 2:30

Clustering of Videos on a Video Sharing Site Using
User-contributed Comments
Keiji Sawada, Fuminori Kimura, Taro Tezuka, and Akira Maeda

Panel Discussion – sponsored by Kyoto University Global COE Program
“Evaluating Web Information Quality and Credibility”
Speakers: **Ray Larson** (UC-Berkeley)
Min Zhang (Tsinghua University)
Miriam Metzger (UC-Santa Barbara)
and **Katsumi Tanaka** (Kyoto University)

 **Best Paper Nomination**

ELECTRONIC GOVERNMENT TRACK

Chair: **Jochen Scholl**

Development Methods for E-Government

Co-Chairs: **Jim Davies**, **Tomasz Janowski**,
and **Ralf Klischewski**

EG 1 Thursday / Kauai Ballroom 4 / 8:00 – 9:30

The Entanglement of Enterprise Architecture and IT-Governance:
The Cases of Norway and the Netherlands
*Gustav Aagesen, Anne Fleur van Veenstra, Marijn Janssen,
and John Krogstie*

Transforming PICTURE to BPMN 2.0 as Part of the Model-driven
Development of Electronic Government Systems
Henning Heitkoetter

Looking for Clues to Failures in Large-Scale, Public Sector
Projects: A Case Study
Sandeep Puro and Kevin Desouza

Emerging Topics
Co-Chairs: **Bjoern Niehaves, Theresa Pardo,**
and **Akemi T. Chatfield**


EG 2 Wednesday / Kauai Ballroom 4 / 8:00 – 9:30

Beyond Agenda Setting: The Role of Political Blogs as Sources in
Newspaper Coverage of Government
Kevin Wallsten

Taking the Best of Both Worlds: A Comparison and Integration of
the U.S. and EU Approaches to E-voting Systems Evaluation
Marco Prandini and Marco Ramilli

Intentions to Adopt Open Source Software ERP Systems – A
Case Study of Four Swedish Municipalities
Monika Magnusson

EG 3 Wednesday / Kauai Ballroom 4 / 10:00 – 11:30

 Building and Sustaining a Transnational and Interdisciplinary
Research Group: Lessons Learned from a North American
Experience
*Jing Zhang, J. Ramon Gil-Garcia, Luis F. Luna-Reyes, Djoko
Sigit Sayogo, Manabu Nakashima, and Sehl Mellouli*

Knowledge and Information Sharing in Transnational Knowledge
Networks: A Contextual Perspective
Mohammed Gharawi, Sharon Dawes, and Brian Burke

Interoperability by ‘Edgware’: Wireless Grids for Emergency
Response
*Joseph Treglia, Lee McKnight, Andreas Kuehn, Angela
Ramnarine-Rieks, Murali Venkatesh, and Tamal Bose*

E-Policy, e-Governance, Ethics, and Law
Co-Chairs: Rowena Cullen, Frank Bannister,
and Kenneth Fleischmann

EG 4 Thursday / Kauai Ballroom 4 / 10:00 – 11:30

Measuring e-Excise Tax Success Factors: Applying the DeLone & McLean Information Systems Success Model
Vachiraporn Khayun and Peter Ractham

Monitoring of Electronic Communications at Universities: Policies and Perceptions of Privacy
Stan Kurkovsky and Ewa Syta

New Problems for Old? Defining e-governance
Frank Bannister and Regina Connolly

Interoperability and Cloud Infrastructure
Co-Chairs: Yannis Charalabidis, Marijn Janssen,
and Olivier Glassey

EG 5 Friday / Kauai Ballroom 4 / 8:00 – 9:30

Interoperation of Organizational Data, Rules, Processes and Services for Achieving Inter-organizational Coordination and Collaboration
Stanley Su, Xuelian Xiao, Jeff DePree, Howard Beck, Carla Thomas, and Andrew Coggeshall, and Richard Bostock

Making the Decision to Contract for Cloud Services: Managing the Risk of an Extreme Form of IT Outsourcing
Eric Clemons and YuanYuan Chen

E-Procurement Adoption at the Municipal Level: Influence of Organizational, Technological and Environmental Factors
Daniel Veit, Nils Parasie, and Jan Huntgeburth

Open Government, Transparency and Citizen Engagement
Co-Chairs: Karine Nahon, Scott Robertson,
and John C. Bertot

EG 6 Friday / Kauai Ballroom 4 / 10:00 – 11:30


Analyzing the Democratic Potential of the Internet: A Comparative Study of Offline and Online Modes
Taewoo Nam

Concept to Integrate Open Collaboration in Technology Roadmapping: Stakeholder Involvement in Strategic E-Government Planning
Melanie Bicking and Maria A. Wimmer

 Democracy.com: A Tale of Political Blogs and Content
Karine Nahon and Jeff Hemsley

EG 7 Friday / Kauai Ballroom 4 / 1:00 – 2:30

Open Government - Retooling Democracy for the 21st Century
Dirk Heckmann

 New Ends, New Means, but Old Attitudes: Citizens' Views on Open Government and Government 2.0
Taewoo Nam

Tracing Opinion-Formation on Political Issues on the Internet: A Model and Methodology for Qualitative Analysis and Results
Michael Kaschesky and Reinhard Riedl

Uncovering Dynamics of Open Government, Transparency, Participation, and Collaboration
Hans Jochen Scholl and Luis Luna-Reyes


Security and Critical Infrastructure
Co-Chairs: Wm Arthur Conklin, Gregory B. White,
and Barbara Endicott-Popovsky

EG 8 Thursday / Kauai Ballroom 3 / 8:00 – 9:30

A Taxonomy of Cyber Events Affecting Communities
Keith Harrison and Gregory White

Identity Content Assurance and Tracking Systems (ICATs) for Military Supply Chain Risk Management: A Preliminary Design
Raymond Panko

Software Assurance: The Need for Definitions
Wm. Arthur Conklin

 XTRec: Secure Real-time Execution Trace Recording on Commodity Platforms
Amit Vasudevan, Ning Qu, and Adrian Perrig

EG 9 Thursday / Kauai Ballroom 3 / 10:00 – 11:30

On Petri Net Representations of Cryptographic Workflows in Electronic Government
Peter Lory

Virtual Computing Laboratories Using VMware Lab Manager
Stephen Burd, Gregory Gaillard, Eugene Rooney, and Alessandro Seazzu

Visualizing Network Activity using Parallel Coordinates
Kara Nance, Sebastien Tricaud, and Philippe Saade


 **Best Paper Nomination**

Services and Information
Co-Chairs: Lemuria Carter, Jing Zhang,
and Ludwig Schaupp

EG 10 Thursday / Kauai Ballroom 4 / 2:00 – 3:30

Citizen Perspectives on Trust in a Public Online Advanced
Traveler Information System
*Benjamin Schooley, Dolly Harold, Thomas Horan, and
Richard Burkhard*

Designing ERM Ontology to Evaluate Records Management
System
Jaffar Alalwan and Manoj Thomas

 Development of a Disability Employment Information System:
An Information Systems Design Theory Approach
Benjamin Schooley, Sue Feldman, and Nagla Alnosayan

Electronic Service Delivery in the Public Sector: Understanding
the Variance of Citizens' Resistance
Martin Barth and Daniel Veit

Social Networking and Government
Co-Chairs: Jay Kesan, Suha AlAwadhi, and Peter Parycek

EG 11 Friday / Kauai Ballroom 4 / 3:00 – 4:30

Changes in Referents and Emotions Over Time in
Election-Related Social Networking Dialog
Scott Robertson

Online Organization of an Offline Protest: From Social to
Traditional Media and Back
Marko Skoric, Nathaniel Poor, Youqing Liao, and Stanley Tang

Who's Contributing: Do Personality Traits Influence the Level
and Type of Participation in Online Communities
Rowena Cullen and Sarah Morse

Transformational Government: Strategy, Management,
Organization, and Users
Co-Chairs: J. Raymon Gil-Garcia, Maddalena Sorrentino,
and Miriam Lips


EG 12 Wednesday / Kauai Ballroom 4 / 2:00 – 3:30

Improving Cross-Agency Information Sharing in New Zealand: An
Empirical Study of Information Sharing Practices, Enablers, and
Barriers in Integrated Social Service Provision (**Presentation Only**)
Miriam B. Lips, Rose R. O'Neill, and Elizabeth E. Eppel

Democratizing Process Innovation: A Comparative Study of Public
Sector Business Process Management Networks
Bjoern Niehaves

E-Government – Just a Matter of Technology?
Arild Jansen

EG 13 Wednesday / Kauai Ballroom 4 / 4:00 – 5:30

 Governing Public Sector Interorganizational Network
Infrastructures—The Importance of Formal and Legal
Arrangements

M. Lynne Markus and Quang “Neo” Bui

How is Information Shared Across Boundaries?
Tung-Mou Yang and Theresa Pardo

 **Best Paper Nomination**

FUTURE ELECTRIC POWER SYSTEMS: SMART GRIDS, ENGINEERING, ECONOMICS, SECURITY TRACK

Chairs: Bob Thomas and Tom Overbye

EP 1 Wednesday / Kuhio Club / 8:00 – 9:30

Integrating Emerging Infrastructure

Chair: Seth Blumsack


Session Organizer: Robert Thomas

Smart Grid Infrastructure for Distribution Systems and Applications

Sakis Meliopoulos, George Cokkinides, Renke Huang, Evangelos Farantatos, Sungyun Choi, Yonghee Lee, and Xuebei Yu

A Case Study on the Grid Impact of PHEVs to Sample Distribution Power System

Dong Joo Kang and Sunju Park

 Clustering of Power System Data and its use in Load Pocket Identification

Katherine Rogers and Thomas Overbye

EP 2 Wednesday / Kuhio Club / 10:00 – 11:30

Monitoring and Control

Chair: Pete Sauer

Session Organizer: Ian Dobson

The Impact of Distributed Generation on Power Transmission Grid Dynamics

David Newman, Benjamin Carreras, Marc Kirchner, and Ian Dobson

An Evolved Skeleton-network Reconfiguration Strategy Based on Topological Characteristic of Complex Networks for Power System Restoration

Yan Liu and Xueping Gu

Detecting and Mitigating Abnormal Events in Large Scale Networks: Budget Constrained Placement On Smart Grids

Nandakishore Santhi and Feng Pan

Increasing the Resolution of Wide-Area Situational Awareness of the Power Grid through Event Unmixing

Hairong Qi, Yilu Liu, Fangxing (Fran) Li, Jiajia Luo, Li He, Kevin Tomsovic, Leon Tolbert, Qing Cao

 **Best Paper Nomination**

EP 3 Wednesday / Kuhio Club / 2:00 – 3:30

Engineering and Economics Interactions

Chair: Tim Mount

Session Organizer: Richard Tabors

Good-Deal Investment Valuation in Stochastic Generation Capacity Expansion Problems

Eric Druenne, Andreas Ehrenmann, Gauthier de Maere d'Aertrycke, Yves Smeers

Locational Carbon Footprint and Renewable Portfolio Policies: A Theory and its Implications for the Eastern Interconnection of the US

Aleksandr Rudkevich, Pablo Ruiz, and Rebecca Carroll

On the Equilibrium Dynamics of Demand Response in Thermostatic Loads

David Chassin and Jason Fuller

EP 4 Wednesday / Kuhio Club 4:00 – 5:30

Reliability, Security and Trust

Chair: Jeff Dagle

Session Organizer: Al Valdes

Lessons to Learn for U.S. Electric Grid Critical Infrastructure Protection: Organizational Challenges for Utilities in Identification of Critical Assets and Adequate Security Measures

Brian McKay

Trust Management and Security in the Future Communication-Based “Smart” Electric Power Grid

Jose Fadul, Kenneth Hopkinson, Christopher Sheffield, James Moore, and Todd Andel

 A Privacy-Aware Architecture For Demand Response Systems

Stephen Wicker and Robert Thomas

EP 5 Thursday / Kuhio Club / 8:00 – 9:30

Monitoring and Control

Chair: Pete Sauer

Session Organizer: Joe Eto

North American SynchroPhasor Initiative – An Update of Progress

Jeff Dagle

Use of Modal Sensitivity to Operating Conditions for Damping Control in Power Systems

Zhenyu Huang, Ning Zhou, Francis Tuffner, and Daniel Trudnowski

Synchrophasor Standards Development – IEEE C37.118 & IEC 61850

Kenneth Martin

The Discussion on the Key Issues Affecting the Accuracy and the Application of PMU Technology


Tianshu Bi, and Hao Liu, and Mladen Kezunovic

EP 6 Thursday / Kuhio Club / 10:00 – 11:30

Integrating Emerging Infrastructure

Chair: Seth Blumsack

Session Chair: Seth Blumsack

 Topological Models and Critical Slowing Down: Two Approaches to Power System Blackout Risk Analysis

Paul Hines, Eduardo Cotilla-Sanchez, and Seth Blumsack

Integrating Wind Power: Can Controllable Load Substitute for Transmission Upgrades?

Alberto Lamadrid, Tim Mount, Surin Maneevitjit, Ray Zimmerman, and Robert Thomas

Assessing the Impact of Wind Variability on Power System Small-Signal Reachability

Christine Chen and Alejandro Dominguez-Garcia

EP 7 Thursday / Kuhio Club / 2:00 – 3:30

Engineering and Economics Interactions

Chair: Tim Mount


Session Organizer: Tim Mount

Efficient Pricing and Capital Recovery for Infrastructure over Time: Incentives and Applications for Electric Transmission Expansion

Richard Schuler

Revenue Adequacy Constrained Optimal Transmission Switching

Kory Hedman, Shmuel Oren, and Richard O'Neill

 Topological and Impedance Element Ranking (TIER) of the Bulk-Power System

Daniel Schwarting, Daniel Molzahn, Christopher DeMarco, and Bernard Lesieutre

EP 8 Thursday / Kuhio Club / 4:00 – 5:30

Reliability, Security and Trust

Chair: Jeff Dagle

Session Organizer: Tom Overbye

On Localized Techniques for Detection of Voltage Stability Related Problems

Miroslav Begovic, Petar Djuric, Yang Song

Comparing Decision Rules for Siting Interconnected Wind Farms

Seth Blumsack, Paras Choudhary, and George Young

Synchronised Measurement Technology for Analysis of Transmission Lines Faults

Vladimir Terzija and Mladen Kezunovic

 **Best Paper Nomination**

**INFORMATION TECHNOLOGY IN
HEALTHCARE TRACK**

Chair: William Chismar


Cyberinfrastructure for Public Health and Health Services

**Co-Chairs: Tom Horan, Abdul Shaikh,
Bill Chismar, and Sue Feldman**

HC 1 Wednesday / Kauai Ballroom 2 / 8:00 – 9:30

Will HITECH Heal Patient Data Hemorrhages?


M. Eric Johnson and Nicholas Willey

 Securing Health Care: Assessing Factors that Affect HIPAA Security Compliance in Academic Medical Centers

James Brady

Design of Virtual Infrastructures for Public and Private Services: The Indian Health Care System

Ann Séror

 Cyberinfrastructure for Secondary Use of EHR Data: SSA's Use of the Nationwide Health Information Network

Sue Feldman and Thomas Horan

HCI and Consumer Health Informatics

Issues in Healthcare IT

Co-Chairs: Ann Fruhling and Richard Burkhard


HC 2 Wednesday / Kauai Ballroom 2 / 10:00 – 11:30

Designing for the Invincible: Health Engagement and Information Management


Daniel Kutz and Hamid Ekbia

Physician Interaction with Electronic Health Records: The Influences on Digital Natives and Digital Immigrants

Cherie Noteboom and Sajda Qureshi

 Prototyping an Online Elective Surgery Waitlist Management System

Manning Li, Andrzej Ceglowski, and Tjung Lesmana

 Strategies for Developing a Mobile e-Health Emergency Response Consultation System

Ann Fruhling, Sharmila Raman, and Anthony Sambol

**Innovative Data Analysis and Data Mining Tools
in Biomedical Informatics**

Co-Chairs: Hesham Ali and Kathryn Dempsey


HC 3 Wednesday / Kauai Ballroom 2 / 2:00 – 3:30

A Model for the Ordering and Distribution of the Influenza Vaccine

James Richard Gurr

A Novel Correlation Networks Approach for the Identification of Gene Targets

Kathryn Dempsey, Stephen Bonasera, Dhundy Bastola, and Hesham Ali

 An Ontology-based Electronic Medical Record for Chronic Disease Management

Ashraf Iqbal, Michael Shepherd, and Syed Abidi

Smoking Behavior and Friendship Formation: The Importance of Time Heterogeneity in Studying Social Network Dynamics
Joshua Lospinoso and Danielle Satchell

IT Adoption and Evaluation in Healthcare

Co-Chairs: Ton Spil, Ken Trimmer, Cynthia LeRouge, and Carla Wiggins

HC 4 Thursday / Kauai Ballroom 2 / 8:00 – 9:30

Analyzing the Clinical and Competitive Impact of Telemedicine – Experience with Treating Parkinson Disease Patients via Telemedicine

Balaraman Rajan, Abraham Seidmann, Earl Dorsey, Kevin Biglan, and Jason Reminick

E-Healthcare Service: An Investigation of the Antecedents, Moderating Roles, and Consequences

Chulmo Koo and Yulia Wati

Beyond Meaningful Use: A Model for Evaluating Electronic Health Record Success

Matthew Wills, Omar El-Gayar, and Surendra Sarnikar

HC5 Thursday / Kauai Ballroom 2 / 10:00 – 11:30

Developing IOIS as Collective Action: A Cross-Country Comparison in the Health Care Sector

Stefan Klein and Stefan Schellhammer

Identifying and Evaluating the Threat of Transitive Information Leakage in Healthcare Systems

Thomas Lechler, Susanne Wetzel, and Richard Jankowski

Individual Characteristics Associated with PHR Use in an Integrated Care Organization

Valerie Sue, Matthew Griffin, and Jill Allen

HC 6 Thursday / Kauai Ballroom 2 / 2:00 – 3:30

 Healthcare Professionals' Reactions to Health Enterprise System Implementations: A Theory of Cynicism Perspective

Omar Alnuaimi, Paul Cronan, David Douglas, and Moez Limayem

Key IT Management Issues in Canadian Hospitals: A Delphi Study

Mirou Jaana, Haitham Tamim, Guy Paré, and Mari Teitelbaum

'Just What the Doctor Ordered': A Revised UTAUT for EMR System Adoption and Use by Doctors

Viswanath Venkatesh, Tracy Sykes, and Xiaojun Zhang

HC 7 Thursday / Kauai Ballroom 2 / 4:00 – 5:30

Effects of Mobile Computing on the Quality of Homecare Nursing Practice

Guy Paré, Claude Sicotte, Marie-Pierre Moreault, Placide Poba-Nzaou, Mathieu Templier, and Georgette Nahas

Investigating the Mediating Effect of the Accuracy of Information in the Relationship Between IT and the Quality of Healthcare in Hospitals

Linda Byrd, Terry Byrd, Laura Jacomé Madariaga, and Victor Mbarika

Value Realization from Adoption of Integrated Electronic Health Records

Susan Sherer

The Implementation of a Health-It Academic Focus: A Case Study

Leigh Cellucci, Ken Trimmer, Tracy Farnsworth, and Adam Waldron

IT Architecture and Application in Healthcare Environments

Co-Chairs: Radmila Juric, Jasna Kuljis, and Patricia Oberndorf

HC 8 Friday / Kauai Ballroom 2 / 8:00 – 9:30

Analyzing Block Scheduling Heuristics for Perioperative Scheduling Flexibility: A Case Study Perspective

Jim Ryan, Barbara Doster, Sandra Daily, and Carmen Lewis

Complexity and Risk in Health Information Infrastructures: An Options Analysis

Bendik Bygstad and Ole Hanseth


Creating Reusable Annotated Corpora with the Clinical Document Architecture

Scott DuVall, Brett South, Leonard D'Avolio, Keith Boone, Shuying Shen, Adi Gundlapalli, Jonathan Nebeker, and Matthew Samore

Preliminary Validation of a Method to Measure Information Value in Clinical Documentation

Kenric Hammond, Efthimis Efthimiadis, Ryan Laundry, Stephen Thielke, Charlene Weir, Peter Embi, and Ashley Hedeem

HC 9 Friday / Kauai Ballroom 2 / 10:00 – 11:30

 Handoffs and Medication Errors: A Community Hospital Case Study

Alina Chircu, Janis Gogan, Ryan Baxter, and Scott Boss

Ontologies and Bayesian Networks in Medical Diagnosis

Valeriano Sandrucci, Giacomo Bucci, and Enrico Vicario

VirtualMindTrial: Virtual Clinical Trials for Mental Healthcare

Yugyung Lee, Nikhilesh Katakam, Deendayal Dinakarpanian, and Dennis Owens

 **Best Paper Nomination**

HC 10 Friday / Kauai Ballroom 2 / 3:00 – 4:30

Data Models for the Pseudonymization of DICOM Data
Daniel Abouakil, Johannes Heurix, and Thomas Neubauer

Diagnosing Stream-mined Model Changes of Monitored Requirements for Cognitive Rehabilitation
William Robinson, Arash Akhlaghi, Tianjie Deng, and Ali Syed

OG-Miner: an Intelligent Health Tool For Achieving Millennium Development Goals (MDGs) in m-Health Environments
Muhammad Afridi and Muddassar Farooq

Technology Mediated Collaborations in Healthcare
(see additional papers in Collaboration Track) *
Co-Chairs: Souren Paul and Arkalgud Ramaprasad

HC 11 Thursday / Kauai Ballroom 3 / 4:00 – 5: 30

A Patient Profile Ontology in the Heterogeneous Domain of Complex and Chronic Health Conditions
Tara Sampalli, Michael Shepherd, and Jack Duffy


Users as Heterogeneous Engineers - The Challenge of Designing Sustainable Information Systems in Health Care
Kristoffer Røed and Gunnar Ellingsen

Policy-based Awareness: Implications in Rehabilitation Video Games
Amir Talaei-Khoei, Pradeep Ray, and Nandan Parameshwaran

* **CL 26** Thursday / Kauai Ballroom 3 / 2:00 – 3: 30

An Intelligence Risk Detection Framework to Improve Decision Efficiency in Healthcare Contexts: the Example of Pediatric Congenital Heart Disease
Fatemeh Moghimi, Nilmini Wickramasinghe, and Hossein Seif Zadeh

Applying a Pervasive Technology Solution to Facilitate Better Healthcare Delivery to Native American Patients: The Example of DiaMonD
Nilmini Wickramasinghe, Suresh Chalasani, Steve Goldberg, and Sridevi Koritala

 Improved Patient Outcomes Through Collaborative Monitoring and Management of Subtle Behavioral and Physiological Health Changes
Paul Fortier, Brendon Puntin, and Osama Aljaroudi


INTERNET AND THE DIGITAL ECONOMY TRACK
Co-Chair: Alan Dennis and David King

Electronic Marketing
Co-Chairs: Bruce Weinberg, Ajit Kambil, Arnold Kamis, and Marios Koufaris

IN 1 Wednesday / Kauai Ballroom 3 / 8:00 – 9:30

Deriving Marketing Intelligence over Microblogs
Tsung-Ying Li and Yung-Ming Li

Is it the Review or the Reviewer? A Multi-Method Approach to Determine the Antecedents of Online Review Helpfulness
Laura Connors, Susan Mudambi, and David Schuff

 Recommendation Systems and Sales Concentration: The Moderating Effects of Consumers' Product Awareness and Acceptance to Recommendations
Ling-Ling Wu, Yuh-Jzer Joung, and Tzung-En Chiang

IN 2 Wednesday / Kauai Ballroom 3 / 10:00 – 11:30


Targeting the Strategies of a Bid Sniper
Jarrod Trevathan, Wayne Read, Yong Jin Lee, and Ian Atkinson

The Effects of Compensation Disclosure and Consensus on Perceptions of Online Product Reviews
Matthew Jensen

Emerging Risks and Systemic Concerns in Information Security Research and Applications
Co-Chairs: Jose J. Gonzalez, Eliot Rich, and Guido Schryen

IN 3 Wednesday / Kauai Ballroom 3 / 2:00 – 3:30

Knowledge of Online Security Risks and Consumer Decision Making: An Experimental Study
Ping An Wang and Easwar Nyshadham

 Issues in the Development of Location Privacy Theory
Robert Minch

IN 4 Wednesday / Kauai Ballroom 3 / 4:00 – 5:30

Does a CIO Matter? Investigating the Impact of IT Security Breaches on Firm Performance using Tobin's q
Humayun Zafar, Myung Ko, and Kweku-Muata Osei-Bryson

A Confirmatory Analysis of Information Systems Security Success Factors
Kimberley Dunkerley and Gurvirender Tejay

A Functional Framework to Evade Network IDS
Sergio Pastrana, Agustin Orfila, and Arturo Ribagorda

 **Best Paper Nomination**

Innovation and the Digital Economy
Co-Chairs: Reto Hofstetter and Michael Klaas

IN 5 Wednesday / Kauai Ballroom 2 / 4:00 – 5:30

Towards 'Open' IS Managers: An Exploration of Individual-level Ambidexterity and Performance
Richard Vidgen, Phillip Allen, and Patrick Finnegan

Collaboration with Customers – Understanding the Effect of Customer-company Interaction in New Product Development
Per Kristensson, Anders Gustafsson, and Lars Witell

The Management of Open Value Creation
Daniel Schlagwein and Detlef Schoder


Open Movements: FLOSS, Open Contents, Open Access and Open Communities
(cross-listed in Software Track)

Co-Chairs: Wolfgang Bein, Kevin Crowston, Clinton Jeffery, and Felipe Ortega

IN 6 Friday / Kauai Ballroom 6 / 1:00 – 2:30

Appropriation and Creativity: User-initiated Contests in Scratch
Jeffrey Nickerson and Andrés Monroy-Hernández

From Conservation to Crowdsourcing: A Typology of Citizen Science
Andrea Wiggins and Kevin Crowston

 A Rule-Based Natural Language Technique for Requirements Discovery and Classification in Open-Source Software Development Projects
William Robinson and Radu Vlas

IN 7 Friday / Kauai Ballroom 6 / 3:00 – 4:30

Joining Free/Open Source Software Communities: An Analysis of Newbies' First Interactions on Project Mailing Lists
Carlos Jensen, Scott King, and Victor Kuechler

Measuring the Effectiveness of the Defect-Fixing Process in Open Source Software Projects
Amir Hossein Ghapanchi and Aybuke Aurum

Relating and Clustering Free/Libre Open Source Software Projects and Developers: A Social Network Perspective
Kuang-Yuan Huang and Namjoo Choi

 **Best Paper Nomination**

Social Networking and Communities
Co-Chairs: Caroline Haythornthwaite and Karine Nahon

IN 8 Thursday / Garden Isle 1-2 / 8:00 – 9:30

Making an Entrance 2.0: The Linguistics of Introductory Success in Virtual Communities
James Dove, Dawn Eubanks, Niki Panteli, Leon Watts, and Adam Joinson

Establishing New Friendships — From Face-to-face to Facebook: A Case Study of College Students
Bau-Min Tu, Hsiao-Chi Wu, Chingcha Hsieh, and Pin-Hung Chen

Online Identity Construction and Expectation of Future Interaction
Caitlin McLaughlin, Jessica Vitak, and Julia Crouse

IN 9 Thursday / Garden Isle 1-2 / 10:00-11:30

Social Networking Information Disclosure and Continuance Intention: A Disconnect
D. Harrison McKnight, Nancy Lankton, and John Tripp

Predicting Intentions to Apply for Jobs Using Social Networking Sites: An Exploratory Study
Maria Plummer, Starr Hiltz, and Linda Plotnick

Travel Information Search – The Presence of Social Media
Pirkko Walden, Christer Carlsson, and Alexandros Papageorgiou

IN 10 Thursday / Garden Isle 1-2 / 2:00-3:30

The "S" in Social Network Games: Initiating, Maintaining, and Enhancing Relationships
Donghee Wohn, Cliff Lampe, Rick Wash, Nicole Ellison, and Jessica Vitak

Ethics in Social Networking: A Framework for Evaluating Online Information Disclosure
Ludwig Schaupp, Lemuria Carter, and Dietrich Schaupp

Developing an Online Community for Women in Computer and Information Sciences: A Design Rationale Analysis
Mary Beth Rosson, Elizabeth Thiry, Dejin Zhao, and John Carroll


IN 11 Thursday / Garden Isle 1-2 / 4:00-5:30

Online Health Social Networks and Patient Health Decision Behavior: A Research Agenda
Cory Heidelberg, Omar El-Gayar, and Surendra Samikar

Online Social Network Dependency: Theoretical Development and Testing of Competing Models
Dimple Thadani and Christy Cheung

Is Happiness Contagious Online? A Case of Twitter and the 2010 Winter Olympics
Anatoliy Gruzd, Sophie Doiron, and Philip Mai

IN 12 Friday / Garden Isle 1-2 / 8:00 – 9:30


 A Social Capital Perspective of Participant Contribution in Open Source Communities: The Case of Linux
*Ray Chang, Sung-Byung Yang, Jae Yun Moon, **Wonseok Oh**, and Alain Pinsonneault*

EventGraphs: Charting Collections of Conference Connections
***Derek Hansen**, Marc Smith, and Ben Shneiderman*

Bridging the Knowledge Gap: Using Social Network Methodology for Detecting, Connecting and Facilitating Informal Networked Learning in Organizations
Maarten de Laat

IN 13 Friday / Garden Isle 1-2 / 10:00 – 11:30

The Ties That Bond: Re-examining the Relationship Between Facebook Use and Bonding Social Capital
Jessica Vitak, Nicole Ellison, and Charles Steinfield

 Unfriending on Facebook: Friend Request and Online/Offline Behavior Analysis
***Christopher Sibona** and Steven Walczak*

The Diffusion, Impacts, Adoption and Usage of ICTs upon Society
Co-Chairs: Jyoti Choudrie, Bendik Bygstad, and Sherah Kurnia

IN 14 Friday / Garden Isle 1-2 / 1:00 – 2:30

Applying the Perspective of Technology Sensemaking to Plurk User Behaviors: An Exploratory Study
Bau-Min Tu, Hsiao-Chi Wu, Chingcha Hsieh, and Jui-Yi Lin

Demystifying the Possibilities of ICT4D in the Mountain Regions of Nepal
Devinder Thapa** and **Øystein Sæbø

One Laptop Per Child (OLPC): A Novel Computerization Movement?
Kenneth Kraemer, Jason Dedrick, and Prakul Sharma

IN 15 Friday / Garden Isle 1-2 / 3:00 – 4:30

Understanding the Adoption of Convergent Services: The Case of IPTV
Dongwon Lee, Insoo Son, Myunghwan Yoo, and Jong-Ho Lee

Partial Adoption of E-invoice: an Unexpected Phenomenon within IS Adoption
Miira Juntumaa** and **Anssi Öörni

 Re-invention of Applicable Innovations: The Case of Virtual Worlds
Saggi Nevo** and **Dorit Nevo

The Impact of Mobile Phone Use on Individual Social Capital
*Song Yang, **Sherah Kurnia**, and **Stephen Smith***

 **Best Paper Nomination**

KNOWLEDGE SYSTEMS TRACK
Co-Chairs: Murray Jennex and Dave Croasdell

KM in a Changing Society: Using Knowledge to Impact Societies
Co-Chairs: Murray Jennex and Dianne Ford

KS 1 Wednesday / Kauai Ballroom 1 / 8:00 – 9:30

Knowledge Transfer: Examining a Public Vaccination Initiative in a Digital Age
Suzanne Zyngier, Clare D'Souza, Priscilla Robinson, and Morgan Schlotterline

Developing a Process-oriented Notation for Modeling Operational Risks – A Conceptual Metamodel Approach to Operational Risk Management in Knowledge Intensive Business Processes within the Financial Industry
Burkhard Weiss** and **Axel Winkelmann

Knowledge Management in R&D Organizations: A Management Control System Approach
Ian McCarthy, Michael Johnson, and Brian Gordon

KS 2 Wednesday / Kauai Ballroom 1 / 10:00 – 11:30


DSS & Knowledge Management in Inquiring Organizations: An Update
James Courtney, Kristen Brewer, Julia Graham, and James Parrish

The Lack of Knowledge? Change the Way You Work
Matjaz Roblek, Maja Zajec, and Tomaz Kern

Case Study: Replacement Cost Based Approach to Risk Management of Knowledge Assets
Vladimir Riecicky

Knowledge and Innovation Systems
Co-Chairs: Lynne Cooper, Hind Benbya, and Mike Gallivan

KS3 Wednesday / Kauai Ballroom 1 / 2:00 – 3:30

 The Knowledge Demands Of Expertise Seekers In Two Different Contexts: Knowledge Allocation Versus Knowledge Retrieval
Dorit Nevo, Izak Benbasat, and Yair Wand

Designing a Multi-layered Ontology for the Science and Technology Innovation Concept Knowledge-base
Pengyi Zhang, Yan Qu, and Chen Huang

The Role of Innovation Governance and Knowledge Management for Innovation Success
Bernhard Moos, Heinz-Theo Wagner, Daniel Beimborn, and Tim Weitzel

KS 4 Wednesday / Kauai Ballroom 1 / 4:00 – 5:30

Evaluating a Disruptive Innovation: Function Extraction Technology in Software Development
Rosann Collins, Alan Hevner, and Richard Linger

Capturing Knowledge via an “Intrapedia”: A Case Study
Mark Rober and Lynne Cooper

Knowledge Flows, Transfer, Sharing and Exchange In Organizations

Co-Chairs: K. D. Joshi, **Mark E. Nissen**, and Saonee Sarker

KS 5 Thursday / Kauai Ballroom 1 / 8:00 – 9:30

Accessing External Knowledge: Intention of Knowledge Exchange in Virtual Community of Practice
KwangWook Gang and T. Ravichandran

A Review of Community of Practice in Organizations: Key Findings and Emerging Themes
Anukrati Agrawal and K. D. Joshi

Knowledge Flow as Facilitator for Getting into Collaboration in Distributed Software Development
Ramón Palacio, Alberto Morán, Aurora Vizcaíno, and Víctor González


KS 6 Thursday / Kauai Ballroom 1 / 10:00 – 11:30

Knowledge Flows in Service Design - A Framework
Eva-Maria Hempte

Knowledge Orchestration for Sustained Competitive Advantage
Max Erik Rohde and David Sundaram

Management Teams: The Case for Balancing or Unbalancing
Ronald Freeze, Peggy Lane, and Sharath Sasidharan

KS 7 Thursday / Kauai Ballroom 1 / 2:00 – 3:30

 Separating the Effects of Professional Association from Organizational Culture in Knowledge Transfer: A Hierarchical Investigation
Darin Ladd

The Effect of Knowledge Management Systems on Absorptive Capacity: The Case of a German Law Firm
Heinz-Theo Wagner, Thorsten Dum, André Schäfferling, and Martin Schulz


The Role of Social Capital in Knowledge Sharing: A Meta-Analytic Review
Yi-Wen Fan and Cheng-Chieh Wu

Knowledge Management Value Success and Performance Measurements
Co-Chairs: **Murray Jennex, Stefan Smolnik, and David Croasdell**

KS 8 Thursday / Kauai Ballroom 1 / 4:00 – 5:30

Adoption of an Electronic Knowledge Repository: A Feature-Based Approach

Nicole Velasquez, Rajiv Sabherwal, and Alexandra Durcikova

 Antecedents and Outcomes of Boundary Objects in Knowledge Interaction in the Context of Software Systems Analysis

Eugenia Huang and Travis Huang

Internal, Collaborative and Competitive Knowledge Capability
Rodger Casselman and Daniel Samson

KS 9 Friday / Kauai Ballroom 1 / 8:00 – 9:30

Measuring Knowledge Management Maturity Levels in Organisation’s Production Area using Fuzzy Linguistic Variables
Tharanga Goonesekera and Suzanne Zyngier

Measuring Value of Knowledge-Based Initiatives - Evaluation of Existing Models and Development of a New Measurement Framework

Nikolaus Fischer, Michael Hertlein, Stefan Smolnik, and Murray Jennex

Organizational Social Computing and Employee Job Performance: The Knowledge Access Route
Hossam Ali-Hassan, Dorit Nevo, Henry Kim, and Stephen Perelgut

Knowledge-Intensive Business Processes
Co-Chairs: **Ron Freeze and Olivera Marjanovic**

KS 10 Friday / Kauai Ballroom 1 / 10:00 – 11:30

A Concept for Model Driven Design and Evaluation of Knowledge Transfer

Julian Bahrs, Carsten Brockmann, and Norbert Gronau

Knowledge Intensive Business Processes: Theoretical Foundations and Research Challenges

Olivera Marjanovic and Ronald Freeze

 **Best Paper Nomination**

**Web 2.0/3.0 Technologies, Mashups, KM Tools,
& Design Approaches**

**Co-Chairs: Stefan Smolnik, Nassim Belbaly,
and Richard Orwig**

KS 11 Friday / Kauai Ballroom 1 / 1:00 – 2:30

An Information Systems Design Theory for Collaborative
ePortfolio Systems

Xuesong (Sonya) Zhang, Lorne Olfman, and Daniel Firpo

Applying Optimal Stopping Theory to Improve the Performance of
Ontology Refinement Methods

Albert Weichselbraun, Gerhard Wohlgenannt, and Arno Scharl

A Risk Management Framework for Design Science Research

Richard Baskerville, Jan Pries-Heje, and John Venable

KS 12 Friday / Kauai Ballroom 1 / 3:00 – 4:30

Defining Groups: Identifying Characteristics of the Mars
Scientific Community

Pamela Dowling, Charles Budney, and Deborah Bass

Towards a Network-based Design Framework for Knowledge
Systems

Max Erik Rohde and David Sundaram

 What are the Business Benefits of Enterprise Mashups?

*Katarina Stanoevska-Slabeva, Volker Hoyer, Simone Kramer,
and Andrea Giessmann*

**ORGANIZATIONAL SYSTEMS
AND TECHNOLOGY TRACK**

Chair: Hugh Watson

BI, Data Warehousing, and Process Analytics

**Co-Chairs: Robert Winter, Olivera Marjanovic,
and Barbara Wixom**

OS 1 Wednesday / Grand Ballroom 1 / 8:00 – 9:30

Competing With BI and Analytics at Monster Worldwide

Mark Frolick, Thilini Ariyachandra, and Alex Schick

Business Intelligence Maturity: Development and Evaluation
of a Theoretical Model

*Gerrit Lahrmann, Frederik Marx, Robert Winter, and Felix
Wortmann*

Exceptions and Other Rare and Irregular Events: Two Modes of
Learning in Business Intelligence (Research in Progress)

Joseph Clark

OS 2 Wednesday / Grand Ballroom 1 / 10:00 – 11:30

Combining BI Technologies with Microgeomatics at a Clothing
Retailer

*Thomas Foulquier, Louis Perreault, Claude Caron, and
Jessica Lévesque*

High-Utility Rule Mining for Cross-Selling

Dongwon Lee, Sung-Hyuk Park, and Songchun Moon


When Competitive Intelligence Meets Geospatial Intelligence

*Christophe Othenin-Girard, Claude Caron, and
Manon Guillemette*

OS 3 Wednesday / Grand Ballroom 1 / 2:00 – 3:30

Optimizing Access Across Multiple Hierarchies in Data
Warehouses

Lipyew Lim and Bishwaranjan Bhattacharjee

 Diffusion of Business Intelligence and Data Warehousing: An
Exploratory Investigation of Research and Practice

Michael Gonzales, Kallol Bagchi, Godwin Udo, and Peeter Kirs

Educating the Next Generation BI/Analytics Workforce

Barbara Wixom and Mike Goul (Presentation Only)

Business Process Management (BPM)

Co-Chairs: Olivera Marjanovic, and Richard Welke

OS 4 Thursday / Grand Ballroom 1 / 8:00 – 9:30

Business Process Improvement: The Retailers' Perception

Feras Abou Moghdeb, Peter Green, and Marta Indulska

BI-enabled, Human-centric Business Process Improvement
in a Large Retail Company

Olivera Marjanovic and Richard Roose

Applying Structuration Theory to Investigate Business Process
Change

Daniel Grgecic

 **Best Paper Nomination**

OS 5 Thursday / Grand Ballroom 1 / 10:00 – 11:30

How BPM Impacts Jobs: an Exploratory Field Study
Willem Mertens, Joachim Van den Bergh, Stijn Viaene, and Friederike Schröder-Pander

Business Process Management under the Microscope: The Potential of Social Network Analysis
Peter Busch and Peter Fettke

Business Process Management beyond Boundaries? – A Multiple Case Study Exploration of Obstacles to Collaborative BPM
Bjoern Niehaves and Joern Henser

Communication Networks
Co-Chairs: Devan Rosen and George Barnett

OS 6 Wednesday / Grand Ballroom 1 / 4:00 – 5:30

 Negotiating Social Belonging: Online, Offline, and In-Between
Michael Steafnone, Yu Chao Huang, and Derek Lackaff

Interaction, Mediation, and Ties: An Analytic Hierarchy for Socio-Technical Systems
Daniel Suthers


The Emotional Strength of Weak Ties: Reevaluating Social Support Online
Jarrid Wong and Mirit Shoham

The Utility of Communication Network Ties: Reconceptualizing the Social Network Tie Measure
Devan Rosen and Kar-Hai Chu

Competitive Strategy, Economics, and IS
Co-Chairs: Eric Clemons, Rob Kauffman, and Thomas Weber

OS 7 Thursday / Grand Ballroom 1 / 2:00 – 3:30

Electronic Markets
Session Chair: **Eric Clemons**

 Internet-Facilitated Feedback Trading
Xiaoquan (Michael) Zhang and Lihong Zhang

The Quality of Electronic Markets
S. Sarah Zhang, Martin Wagener, Andreas Storkenmaier, and Christof Weinhardt

A Prediction Market for Macro-Economic Variables
Florian Teschner, Stephan Stathel, and Christof Weinhardt

OS8 Thursday / Grand Ballroom 1 / 4:00 – 5:30

Individuals, Consumers and Technologies
Session Chair: **Eric Clemons**

The Impacts of Shopbots on Online Consumer Search
Jie Zhang and Bing Jing

 **Best Paper Nomination**

Individual Privacy and Online Services
Eric Clemons and Minh Chau

Discovery of Music through Peers in an Online Community
Rajiv Garg, Michael Smith, and Rahul Telang

OS 9 Friday / Grand Ballroom 1 / 8:00 – 9:30

Platforms, Vendors and Competition
Session Chair: Nick Economides

Dynamic Innovation in a Two-Sided Platform
Mei Lin, Shaojin Li, and Andrew Whinston

 From Primordial Soup to Platform-Based Competition: Exploring the Emergence of Products, Systems, and Platforms
Eric Clemons and Jason C. Woodard

Determinants of Firm Survival in E-Markets: An Analysis with Software Service Providers
Rajiv Banker, Sunil Wattal, and Iny Hwang

OS 10 Friday / Grand Ballroom 1 / 10:00 – 11:30

Air Travel Pricing and Distribution Channel Competition
Session Chair: **Rob Kauffman**

The Value To Consumers Of It-Supported À La Carte Pricing: An Empirical Test Of The Strategic Decommoditization Hypothesis
Nelson Granados, Robert Kauffman, Hsiangchu Lai, and Huangchi Lin

Panel Contested Distribution Channels and IT-Based Competition in Air Travel and Hospitality Services
– **Bill Brunger**, past SVP of Pricing/Planning, Continental Airlines
– **Eric K. Clemons**, University of Pennsylvania
– **Jim Young**, Executive Director, Open AXIS

OS 11 Friday / Grand Ballroom 1 / 1:00 – 2:30

Innovations, Standards and Business Models Competition
Session Chair: **Rob Kauffman**

Marketplaces or Web Services? Alternate Business Models for Electronic B2B Transactions
Byungjoon Yoo, Vidyanand Choudhary, and Tridas Mukhopadhyay

Cooperative Advantage and Vertical Information System Standards: An Automotive Supply Chain Case Study
Charles Steinfield, M. Markus, and Rolf Wigand

Standards in Cloud Computing (**Presentation Only**)
Yuanyuan Chen

OS 12 Friday / Grand Ballroom 1 / 3:00 – 4:30

Network Effects, Innovations and IT Services
Session Chair: Nick Economides

Determinants of Mode of Innovation in IT Firms
Rajiv Banker, Sunil Wattal, Jose Plehn-Dujowich

IT Outsourcing: Assessing the Antecedents and Impacts of Knowledge Integration
Matt Thatcher, Hoon Cha, Manju Ahuja, and David Pingry

Network Effects in IT Services and Outsourcing
Nicholas Economides (Presentation Only)

Enterprise Architecture: Processes, Approaches and Products

Co-Chairs: Frank Armour, Steve Kaisler, and Edwin Huizinga

OS 13 Friday / Grand Ballroom 4 / 1:00 – 2:30

Enterprise Architecture Management's Impact on Information Technology Success
Robert Lagerström, Teodor Sommestad, Markus Buschle, and Mathias Ekstedt

Service Migration in a Cloud Architecture
Stephen Kaisler and William Money

Service Oriented Architecture and Business Innovation
Bendik Bygstad and Tor-Morten Grønli

OS 14 Friday / Grand Ballroom 4 / 3:00 – 4:30

The Organizational Impact of Enterprise Architecture: A Research Framework
Alberto Espinosa, WaiFong Boh, and William DeLone

An Approach to Building Effective Enterprise Architectures
Susanne Glissmann and Jorge Sanz

Complementing The Open Group Architecture Framework with Best Practice Solution Building Blocks
Sabine Buckl, Thomas Dierl, Florian Matthes, and Christian Schweda

Enterprise System Integration: Issues and Answers

Co-Chairs: Gail Corbitt, Marinos Themistocleous, and Paulo Rupino Cunha

OS 15 Wednesday / Grand Ballroom 5 / 2:00 – 3:30

Acquiring ERP Business Process Knowledge: A Network Structure Analysis
Pamela Schmidt, Fred Davis, Christine Davis, and Timothy Paul Cronan

ERP Configuration: Does Situation Awareness Impact Team Performance?
Lionel Robert, Alexander McLeod, and Ashley Davis

ERP Project Management in Public Sector – Key Issues and Strategies
Saqib Anwar and Rubana Mohsin

OS 16 Wednesday / Grand Ballroom 5 / 4:00 – 5:30

ERP System Implementation in Make-to-order SMEs: An Exploratory Case Study
Ondrej Zach and Dag Olsen

ERP Systems in SMEs: A Literature Review
Moutaz Haddara and Ondrej Zach

Playing Catch up: How Different is Large Scale Enterprise Systems Implementation in Transition Countries and Organizations?
Piotr Soja, Marinos Themistocleous, and Paulo Rupino Cunha

Implementation and Usage of Radio Frequency Identification (RFID)

Co-Chairs: Frederick J. Riggins and Bill C. Hardgrave

OS 17 Thursday / Grand Ballroom 5 / 8:00 – 9:30

A Formal Model for Enabling RFID in Pharmaceutical Supply Chains
Mathieu-P. Schapranow, Alexander Zeier, and Hasso Plattner

RFID-embedded Decision Support for Tracking Surgical Equipment
Yannick Meiller, Sylvain Bureau, Wei Zhou, Selwyn Piramuthu

Unveiling the Potential of RFID-enabled Intelligent Patient Management: Results of a Delphi Study
Samuel Fosso Wamba and Eric Ngai

Information Issues in Supply Chain and in Service System Design

Co-Chairs: Abraham Seidmann, Jie Zhang, and Yabing Jiang

OS 18 Thursday / Grand Ballroom 5 / 10:00 – 11:30

Pricing for Shipping Services of Online Retailers: Analytical and Empirical Approaches
Jie (Jennifer) Zhang and Yuliang Yao


Unexpected Motivations Behind Joining Group Purchasing Organization (GPO)
Rajib Saha, Abraham Seidmann, and Vera Tilson

A Stochastic Model for Implementing Postponement Strategies in Distribution Networks
Stefan Guericke, Achim Koberstein, Frank Schwartz, and Stefan Voss

OS 19 Thursday / Grand Ballroom 5 / 2:00 – 3:30

Finance Sourcing in a Supply Chain
Bing Jing, Rajiv Dewan, and Abraham Seidmann

Literature Survey: Mathematical Models in the Analysis of Durable Goods with Applications to IS Research
Xiaobo Zheng, Vera Tilson, and Ravi Mantena

 Revisiting the Incentive to Tolerate Illegal Distribution of Software Products
Atanu Lahiri

IS/IT Backsourcing – A Case of Outsourcing in Reverse?
Nick Butler, Frances Slack, and John Walton

 **Best Paper Nomination**

OS 20 Thursday / Grand Ballroom 5 / 4:00 – 5:30

The Evolution of Motorola's Global Financial Supply Chain Strategy

Ian Blackman, Christopher Holland, and Tim Westcott

A Study to Compare Relative Importance of Criteria for Supplier Evaluation in e-Procurement

Arpan Kar and Ashis Pani

Co-alignment of Supply Chain Strategies and the Knowledge Outcomes for Buyer-Supplier Network Relationships

Emanuela Todeva and James Aitken

Towards a Reference Model for the Identification of Strategic Supply Chains for Value Bundles

Holger Schroedl, Patrick Gugel, and Klaus Turowski

Intelligent Decision Support for Logistics and Supply Chain Management

(see paper listing in Decision Technology Track)

Co-Chairs: Hans-Juergen Sebastian, **Stefan Voss,** and Andreas Fink

DT 11 Friday / Grand Ballroom 4 / 8:00 – 9:30

Session Chair: Hans-Juergen Sebastian

DT 12 Friday / Grand Ballroom 4 / 10:00 – 11:30

Session Chair: Stefan Voss

DT 13 Friday / Grand Ballroom 4 / 3:00 – 4:30

Session Chair: Alex Bordetsky

IT and Project Management
Co-Chairs: Sue Newell, Jacky Swan,
and Joseph Weiss

OS 21 Friday / Grand Ballroom 5 / 8:00 – 9:30

Emotions in Leadership in an IOIS project

Riitta Hekkala, Michael Newman, Cathy Urquhart, and Ari Heiskanen

Leadership Behaviors in Information Technology Project Management: An Exploratory Study

Hazel Taylor and Jill Woelfer

Aligning Organizational Values in Systems Development Projects: An Empirical Study

W. Alec Cram

OS 22 Friday / Grand Ballroom 5 / 10:00 – 11:30

Managing Interactive Innovation: From Project Management to Process Mobilization

Maxine Robertson, Robert Galliers, Cliff Oswick, and Harry Scarbrough

Managing the Black Swans within IT Projects

Wilfred Wu, Gregory Rose, and Kalle Lyytinen

Stakeholders, Decisions and Narrations

Anne Live Vaagaasar

OS 23 Friday / Grand Ballroom 5 / 1:00 – 2:30

 Designing Project Management Systems

Gamze Karayaz, Charles Keating, and Morgan Henrie

Addressing Complexity in ISD: An Empirical Case Study

Jill Owen and Henry Linger

Developing an IT Portfolio Approach to Justify IT Investments

Hsin-Lu Chang, Jeff Chang, Kai Wang

IT Governance and its Mechanisms

Chair: Wm van Grembergen

OS 24 Wednesday / Grand Ballroom 4 / 8:00 – 9:30

Organizational Culture Impact on Business-IT Alignment: A Case Study of a Multinational Organization

Mohamed El-Mekawy and Lazar Rusu

Planning and Implementing IT Governance in Brazilian Public Organizations

Paulo Henrique de Souza Bermejo and Adriano Tonelli

Uncovering Modes of Interorganizational Governance of IT

Anne-Marie Croteau and Jason Dubsy

OS 25 Wednesday / Grand Ballroom 4 / 10:00 – 11:30

Maturing Business and IT Alignment Capability; The Practitioner's View

A.J. Gilbert Silvius and Jakobus Smit

Why Benefits Realization from ERP in SMEs Doesn't Seem to Matter?

Moutaz Haddara and Tero Päiväranta

How IT Enabled Investments Bring Value to the Business: A Literature Review

Kim Maes, Steven De Haes, and Wim Van Grembergen

OS 26 Wednesday / Grand Ballroom 4 / 2:00 – 3:30

The Social Network Structure of Alignment – A Literature Review

Katja Walentowitz, Daniel Beimborn, Anna Schroiff, and Tim Weitzel

Exploring the Relationships Among Corporate Entrepreneurship, IT Governance, and Risk Management

Randy Bradley and Renee Pratt

Strategic ICT Alignment in Uncertain Environments: An Empirical Study in Emergency Management Organizations

Marcus Vogt, Dieter Hertweck, and Kieth Hales

 **Best Paper Nomination**

OS 27 Wednesday / Grand Ballroom 4 / 4:00 – 5:30

What Are Important Governance and Management Mechanisms to Achieve IT Flexibility in Service-Oriented Architectures (SOA)?: An Empirical Exploration

Nils Joachim, Daniel Beimborn, and Tim Weitzel

Towards a Multisourcing Maturity Model as an Instrument of IT Governance at a Multinational Enterprise

Thomas Herz, Florian Hamel, Falk Uebernickel, and Walter Brenner

Bridging Boundaries in Offshore Outsourcing Organizations: a Case Study of Promoting KM System Initiatives in Wipro Technologies

Zheng Wang, Eliane Jing Chen, Shan-Ling Pan, and Yi Wu

IT Personnel: The IT Artifact the Field Cannot Do Without
Co-Chairs: Kay M. Nelson and H. James Nelson

OS 28 Friday / Grand Ballroom 5 / 3:00 – 4:30

A Typology of Requisite Skills for Information Technology Professionals

Kevin Gallagher, Tim Goles, Stephen Hawk, Judith Simon,

Kate Kaiser, Cynthia Beath, and Wm. Martz Jr.

Best Practices for Retaining Global IT Talent

Dawn Owens and Deepak Khazanchi

Illuminating the Other Road: The Role of Voice in IT Turnover

Jo Ellen Moore


What Makes IT Personnel Adopt Scrum? A Framework of Drivers and Inhibitors to Developer Acceptance

Sven Overhage, Sebastian Schlauderer, Dominik Birkmeier, and Jonas Miller

Organizational Design and Engineering

Co-Chairs: Robert Winter, José Tribolet,
and Artur Caetano

OS 29 Thursday / Grand Ballroom 4 / 2:00 – 3:30

 An Organizational Model for Managing IT Innovations in Non-IT Companies

Matthias Kiessling, Hannes Wilke, and Lutz Kolbe

Towards a Maturity Model for E-Collaboration – A Design Science Research Approach

Stefanie Hain and Andrea Back

An Investigation on Capacity Planning and Lead Times for Remanufacturing Systems Using System Dynamics

Roberto Poles and France Cheong

 **Best Paper Nomination**

OS 30 Thursday / Grand Ballroom 4 / 4:00 – 5:30

Analysis of IT/Business Alignment Situations as a Precondition for the Design and Engineering of Situated IT/Business Alignment Solutions

Jan Saat, Robert Winter, Ulrik Franke, Robert Lagerström, and Mathias Ekstedt

A Metamodel Based Perspective on the Adaptation of a Semantic Business Process Modeling Language to the Financial Sector

Burkhard Weiss and Axel Winkelmann

Social Issues for Information Systems

Chair: Michael B. Knight

OS 31 Thursday / Grand Ballroom 4 / 8:00 – 9:30

Computational Modeling and Human Values: A Comparative Study of Corporate, Academic, and Government Research Labs

Kenneth Fleischmann, William Wallace, and Justin Grimes

Investigating the Coping Mechanism towards Technochanges: A Perspective of Social Network Theory

Kee-Young Kwahk

Robotics as Moral Philosophy

Alan Singer

OS 32 Thursday / Grand Ballroom 4 / 10:00 – 11:30

Managing Organizational Change and Commitment in a Global IT Company

Jukka-Pekka Kauppinen, Hannu Kivijärvi, and Jari Talvinen

Towards a Measurement Model of Corporate Social Software Success – Evidences from an Exploratory Multiple Case Study

Melanie Steinhueser, Stefan Smolnik, and Uwe Hoppe

Unfolding the Organizing Vision for Straight-Through-Processing in Taiwan Financial Industry

Yu-Tzu Lin and Carol Hsu

Theoretical Approaches to IS Research

Co-Chairs: Michael Wade and Scott L. Schneberger

OS 33 Friday / Grand Ballroom 4 / 8:00 – 9:30

Construct Transportability: A Choice that Matters

Ronald Freeze and Robyn Raschke

Thinking about Measures and Measurement

Allen Lee and Andrew Burton-Jones


The Use of Theory in Social Studies of Web 2.0

EunRyung Chong and Bo Xie

Beyond Resistance to Technology Appropriation

Jennie Carroll and Justin Fidock

OS 34 Friday / Grand Ballroom 4 / 10:00 – 11:30

 Have IS Researchers Lost Bandura's Self-Efficacy Concept? A Discussion of the Definition and Measurement of Computer Self-Efficacy

Jennifer Claggett and Dale Goodhue

Software Project Risk Drivers as Project Manager Stressors and Coping Resources

Suzanne Rivard, Yannik St-James, and Ann-Frances Cameron

Towards an Evolutionary Theory of Interorganizational Information Systems (IOIS)

Stefan Schellhammer

Topics in Organizational Systems and Technology

Co-Chairs: Kelly Rainer and Mark Frolick

OS 35 Wednesday / Grand Ballroom 5 / 8:00 – 9:30

An Approach to Designing IT Interventions in Micro-enterprises to Facilitate Development

Mehrroz Kamal

Governance, Risk & Compliance (GRC) Software – An Exploratory Study of Software Vendor and Market Research Perspectives

Nicolas Racz, Edgar Weippl, and Andreas Seufert

How Does A Union Environment Affect Information System (IS) Implementation? A Longitudinal Case Study from the Institutional Framework Perspective

Linying Dong and Eric Mei

OS 36 Wednesday / Grand Ballroom 5 / 10:00 – 11:30

Increasing Research Relevance in DSS: Looking Forward by Reflecting on 40 years of Progress

Karen Vizecky and Omar El-Gayar

Knowledge, Intellectual Capital, and Protection: A Literature Review

Todd Little

The RHeterotics of System Adoption and Diffusion in the Taiwan Mutual Fund Industry

Robert Galliers, Jimmy Huang, Carol Hsu, Yu-Tzu Lin, and Sue Newell

SOFTWARE TECHNOLOGY TRACK

Co-Chairs: Rick Kazman and Gul Agha

Agile Software Development: Lean, Distributed, and Scalable

Co-Chairs: Jeff Sutherland and Gabrielle Benefield

ST 1 Wednesday / Kauai Ballroom 6 / 8:00 – 9:30

Hitting the Wall: What to Do When High Performing Scrum Teams Overwhelm Operations and Infrastructure

Jeff Sutherland and Robert Frohman

An Educational Testbed for the Computational Analysis of Collaboration in Early Stages of Software Development Processes

Thomas Kowark, Jürgen Müller, Stephan Müller, and Alexander Zeier

Embracing or Constraining Change: An Exploration of Methodologies for Maintaining Software

Dana Edberg and Polina Ivanova

ST 2 Wednesday / Kauai Ballroom 6 / 10:00 – 11:30

Measuring the Impact of Scrum on Product Development at Adobe Systems

Peter Green

Supporting Scaling Agile with Portfolio Management: Case Paf.com

Kristian Rautiainen, Joachim von Schantz, and Jarno Vähäniitty

The Role of the Story Master: A Case Study of the Cognitive Load of Story Management Tasks

Aaron Read, Nicholas Arreola, and Robert Briggs

Virtual Reality Meets Scrum: How a Senior Team Moved from Management to Leadership

Dina Friis, Jens Ostergaard, and Jeff Sutherland

Assurance Research for Dependable Software Systems (ARDSS)

Co-Chairs: Rick Linger, Jim Alves-Foss, and Carol Woody

ST 3 Wednesday / Kauai Ballroom 6 / 2:00 – 3:30

Applying Formal Methods Informally

Matt Bishop, Brian Hay, and Kara Nance

A Systemic Approach for Assessing Software Supply-Chain Risk

Christopher Alberts, Audrey Dorofee, Rita Creel, Robert Ellison, and Carol Woody

Developing a Security Meta-Language Framework

Robert Baird and Rose Gamble

 **Best Paper Nomination**

ST 4 Wednesday / Kauai Ballroom 6 / 4:00 – 5:30

KAFÉ: Kernel Analysis Front-End for Software Assurance
Luanne Burns, James Pendergrass, and Julian Grizzard

Model-driven Development Meets Security: An Evaluation of Current Approaches
Kresimir Kasal, Johannes Heurix, and Thomas Neubauer

Text Mining Support for Software Requirements: Traceability Assurance
Daniel Port, Jane Hayes, LiGuo Huang, and Allen Nikora


Cloud Computing

Co-Chairs: William J. Yeager, Ali Ghodsi,
and Jean-Henry Morin

ST 5 Thursday / Kauai Ballroom 6 / 8:00 – 9:30

Using Multi Shares for Ensuring Privacy in Database-as-a-Service
Mohammed ALzain and Eric Pardede

Storm Clouds Rising: Security Challenges for IaaS Cloud Computing
Kara Nance, Brian Hay, and Matt Bishop


 Cloud Hooks: Security and Privacy Issues in Cloud Computing
Wayne Jansen

Digital Forensics – Education and Research

Co-Chairs: Kara Nance and Clay Shields

ST 6 Thursday / Kauai Ballroom 6 / 2:00 – 3:30

Bridging Differences in Digital Forensics for Law Enforcement and National Security
Stephen Burd, Darrin Jones, and Alessandro Seazzu

 E-Evidence and International Jurisdictions: Creating Laws for the 21st Century
Amelia Phillips

MemCorp: An Open Data Corpus for Memory Analysis
Timothy Vidas

ST 7 Thursday / Kauai Ballroom 6 / 4:00 – 5:30

Legal Aspects of Digital Forensics: A Research Agenda
Kara Nance and Daniel Ryan

Leveraging Advances in Remote Virtualization to Improve Online Instruction of Information Assurance
Vincent Nestler and Devshikha Bose

Third Party Application Forensics on Apple Mobile Devices
Alex Levinson, Bill Stackpole, and Daryl Johnson

Open Movements: FLOSS, Open Contents, Open Access and Open Communities


(cross-listed in Internet Track)

Co-Chairs: Wolfgang Bein, Kevin Crowston, Clinton Jeffery, and Felipe Ortega

ST 8 Friday / Kauai Ballroom 6 / 1:00 – 2:30

Appropriation and Creativity: User-initiated Contests in Scratch
Jeffrey Nickerson and Andrés Monroy-Hernández

From Conservation to Crowdsourcing: A Typology of Citizen Science
Andrea Wiggins and Kevin Crowston

 A Rule-Based Natural Language Technique for Requirements Discovery and Classification in Open-Source Software Development Projects
William Robinson and Radu Vlas

ST 9 Friday / Kauai Ballroom 6 / 3:00 – 4:30

Joining Free/Open Source Software Communities: An Analysis of Newbies' First Interactions on Project Mailing Lists
Carlos Jensen, Scott King, and Victor Kuechler

Measuring the Effectiveness of the Defect-Fixing Process in Open Source Software Projects
Amir Hossein Ghapanchi and Aybuke Aurum

Relating and Clustering Free/Libre Open Source Software Projects and Developers: A Social Network Perspective
Kuang-Yuan Huang and Namjoo Choi

Parallel and Distributed Computational Intelligence

Co-Chairs: Robert Patton, Xiaohui Cui, and Thomas E. Potok

ST 10 Friday / Kauai Ballroom 6 / 8:00 – 9:30

A Goal-oriented Execution Module based on Agents
Javier Palanca Camara, Vicente Julian, and Ana Garcia-Fornes

Classification of Distributed Data Using Topic Modeling and Maximum Variation Sampling
Robert Patton, Justin Beaver, and Thomas Potok

Visual Mining Intrusion Behaviors By Using Swarm Technology
Xiaohui Cui, Thomas Potok, Justin Beaver, and Li Yang

 **Best Paper Nomination**

Software Product and Process Assurance
Co-Chairs: Dan Port, Jairus Hihn, and Joel Wilf

ST 11 Friday / Kauai Ballroom 6 / 10:00 – 11:30

A Study on the Perceived Value of Software Quality Assurance
at JPL

Daniel Port and Joel Wilf

Bootstrapping Process Improvement Metrics: CMMI Level 4
Process Improvement Metrics in a Level 3 World

Jairus Hihn, Scott Lewicki, and Scott Morgan

Quality Market: Design and Field Study of Prediction Market for
Software Quality Control

Janaki Krishnamurthy and Easwar Nyshadham

Reducing Uncertainty in Architectural Decisions with AADL

Kenneth Evensen

**Software Product Lines: Engineering, Services,
and Management**
Chair: Timo Käkölä

ST 12 Thursday / Kauai Ballroom 5 / 4:00 – 5:30

Evaluation of SPL Approaches for WebGIS Development: SIGTel,
A Case Study

Juan Manuel Moreno-Rivera and Elena Navarro

Which Test Artifacts Testing Service Providers Should Reuse
and How? Experiences from a Case Study in the Chinese ICT
Sourcing Market

Yikun Lu and Timo Käkölä

Model Transformation for a System of Systems Dependability
Safety Case (**Presentation Only**)

Judy Murphy and Stephen B. Driskell

Wireless Ad-Hoc and Sensor Networks
**Co-Chairs: Edoardo Biagioni, John McEachen,
and Murali Tummala**

ST 13 Thursday / Kauai Ballroom 6 / 10:00 – 11:30

An Evaluation of Different Functional Solutions for Satellite-Based
Tolling in Europe

Marjan Hericko, Marjana Hericko, and Ales Zivokovic

MPR+SP: Towards a United MPR-based MANET Extension for
OSPF

*Juan Antonio Cordero Fuertes, Thomas Clausen, and
Emmanuel Baccelli*

Service-Oriented Middleware Approaches for Wireless Sensor
Networks

Nader Mohamed and Jameela Al-Jaroodi

 **Best Paper Nomination**