COLLABORATION SYSTEMS
AND TECHNOLOGY TRACK
Co-Chairs: Robert Briggs and Jay Nunamaker

Advances in Teaching and Learning Technologies
Co-Chairs: David Spencer, Tim Ellis, and Eric Santanen

CL 1 - Advances KONA 5 TUESDAY 8 - 9:30am
Feature-Driven Adoption Patterns of Online Learning Environments - The Instructors' Perspective
Margit Kastner, Bernd Simon, Michael Schraml

Networks of Change: Learning from Peers about Science Teaching
Caroline Haythornthwaite, Wei Gao, Fouad Abd-el-Khalick

Evaluating the Role of Face-to-Face Residencies in Cross-National, Accessible Cyberlearning
Jennifer Ellis, Marilyn Amone, Nanette Levinson, Derrick Cogburn

CL 2 - Advances KONA 5 TUESDAY 10 - 11:30am
Designing a Peer Support System for Computer Programming Courses using Online Social Networking Software
Brian Thoms, Evren Eryilmaz, Steve Gerbino

Supporting Problem-solving in Mathematics with a Conversational Agent Capable of Representing Gifted Students' Knowledge
Eliane Vignon Barreto Aguilar, Liane M. Rockenbach Tarouco, Eliseo Reategui

Hand-held Mobile Augmented Reality for Collaborative Problem-Solving: A Case Study with Sorting
Adrian Shatte, Jason Holdsworth, Ickjai Lee

Sign Language Writing Acquisition - Technology for a Writing System
Cayley Guimaraes, Jeferson Guardezi, Sueli Fernandes

CL 3 - Advances KONA 5 TUESDAY 2 - 3:30pm
Effective Teacher Training for Tablet Integration in K-12 Classrooms
Pimpaka Prasertsilp, Lorne Olfman

Generation Alpha at the Intersection of Technology, Play and Motivation
Holly Tootell, Mark Freeman, Alison Freeman

Acquiring IS Skill through Habitual Use
David Eargle, Russ Taylor, Lane Sawyer, James Gaskin

CL 4 - Advances KONA 5 TUESDAY 4 - 5:30pm
Crowd-Sourced Peer Feedback (CPF) for Learning Community Engagement: Results and Reflections from a Pilot Study
Nigel Melville

Anchoring for Self-Efficacy and Success
Nimer Alrushiedat, Lorne Olfman

Attention Guidance in Online Learning Conversations
Evren Eryilmaz, Brian Thoms, Justin Mary, Rosemary Kim, Jakko Van der Pol

Perceptions of Effectiveness of Instructional Uses of Technology in Higher Education in an Era of Web 2.0
Vivek Venkatesh, Anne-Marie Croteau, Jihan Rabah

Communication and Information Systems Technology for Emergency Management
Co-Chairs: Jose J. Gonzalez, Murray Turoff, and Akemi Takeoka Chatfield

CL 5 - CISTEM KONA 5 WEDNESDAY 8 - 9:30am
Increasing Efficiency of Humanitarian Organizations with Volunteer Driven Information Products
Kenny Meesters, Bartel Van de Walle

Implementation Methodology of the Resilience Framework
Leire Labaka, Tina Comes, Josune Hernantes, Jose Maria Samnegi, Jose J. Gonzalez

Special Discussion: Reviewing the Burning Issues in CISTEM Creativity
Co-Chairs: Triparna de Vreede, Roni Reiter-Palmon, and Ginamarie Ligon

CL 6 - Creativity QUEEN'S 6 TUESDAY 8 - 9:30am
The Role of Shared Team Passion, Expertise, and Shared Norms and Expertise on ICT Use on Knowledge Team Creativity
Kyung Young Lee, Genevieve Bassellier, Samer Faraj

When Process Is Getting in the Way of Creativity and Innovation
Sune Dueholm Muller, Frank Ulrich, Peter Axel Nielsen

Creativity at the Margins: Exploring Social and Technical Marginality in Novel Idea Generation
Shannon Provost, Sirkka Jarvenpaa

Developing Entrepreneurial Skills in IT Courses: The Role of Agile Software Development Practices in Producing Successful Student Initiated Products
Aaron Read, Doug Derrrick, Gina Ligon
Cross-Organizational and Cross-Border IS/IT Collaboration
Co-Chairs: James Pick and Nicholas Romano

CL 7 - COCB  KONA 5  THURSDAY 3 - 4:30pm

Which Boundary Objects are Applicable to Service Innovation? A Dynamic Capability Perspective
Andrea Malsbender, Ralf Plattfaut, Bjorn Niehaves, Joerg Becker

Investigating Information Sharing Behavior in Supply Chains: Evidences from an Embedded Single Case Study
Tobias Engel, Andreas Englschalk, Nurettin Guner, Suparna Goswami, Helmut Krcmar

Collaborative Technologies in an Inter-Organizational Context: Examining the Role of Perceived Information Security and Trust on Post-Adoption
Simon T.-N. Trang, Thierry J. Ruch, Lutz M. Kolbe

Decision, Negotiation, Leadership, Social Communities and Technology
Co-Chairs: Tung Bui and Mel Shakun

CL 8 - Negotiation  KONA 4  TUESDAY 4 - 5:30pm

Perception Formation in Global Negotiations: The Role of Culture and Sacred Value
Zhaleh Semnani-Azad, Alin Coman, Katia Sycara, Michael Lewis

Validation and Analysis of a Distributed, Agent-Based Metaheuristic for Negotiation of Consensus Inspired by Honeybee Nest Site Selection Behavior
Alexander Mentis, Levent Yilmaz

Multi-Strategy Selection Model for Automated Negotiation
Mukun Cao, Xiaopei Dai

CL 9 - Negotiation  KONA 4  WEDNESDAY 8 - 9:30am

Bilateral and Multi-bilateral Agent-Human Negotiations: Two Experiments
Rustam Vahidov, Gregory Kersten, Dmitry Gimon

Accelerating Combinatorial Clock Auctions using Bid Ranges
Xiaojiu Qiu, Dirk Neumann

Emerging Issues in Distributed Group Decision-Making: Opportunities and Challenges
Co-Chairs: Anil Aggarwal, Doug Vogel, and Yuko Murayama

CL 10 - Distributed  KONA 5  WEDNESDAY 4 - 5:30pm

Structural Changes Associated with the Temporal Dispersion of Teams: Evidence from Open Source Software Projects
Jorge Colazo

Empirical Investigation of the Cognitive Factors that Influence the Continued Use of Smartphones by College Students Who Will be using Smartphones to Participate in the Future Global Distributed Teams
Efosa Iedemudia, Mahesh (Michael) Raisinghani, Alice Batch

Decision Making in Diverse Swift Teams: An Exploratory Study
Anil Aggarwal

The Influence of Knowledge Level in Information Security onto the Factors of Anshin for Online Shopping Users
Dai Nishioka, Yoshia Saito, Yuko Murayama

Global Virtual Teams
Co-Chairs: Mike Hine, Frederick Zamrdt, and Derrick L. Cogburn

CL 11 - Global  KONA 5  WEDNESDAY 10 - 11:30am

Identifying Potential Leaders for Virtual Teams
Josh Iorio, John Taylor

The Influence of Personal Traits on Innovative Processes in Virtual Teams
Bettina Cassandra Riedl, Tucker J. Marion, Arnold Picot

Global Team Boundary Complexity: A Social Network Perspective
J. Alberto Espinosa, Gwanhoo Lee, William DeLone

CL 12 - Global  KONA 5  WEDNESDAY 2 - 3:30pm

Session papers combined with CL-11 Global.

Human-Computer Interaction: Informing Design Choices Utilizing Behavioral, Neurophysiological, and Design Science Methods
Co-Chairs: Christopher Schneider, Angelika Dimoka, and Joe Valacich

CL 13 - HCI  KONA 4  TUESDAY 8 - 9:30am

Taylor Wells, Alan Dennis

The Applicability of Neurally-Controlled Devices in Business: A Student Perspective
Adriane Randolph

Dissecting the Process of Knowledge Filtering in Electronic Networks of Practice
Kelly Fadel, Thomas Meservy, Matthew Jensen

Can Fixation on Main Images Predict Visual Appeal of Homepages?
Soussan Djamasbi, Marisa Siegel, Thomas Tullis

Best Paper Nomination

47th Hawaii International Conference on System Sciences
Best Paper Nomination

47th Hawaii International Conference on System Sciences
CL 21 - Social KONA 4   WEDNESDAY 4 - 5:30pm

The Impact of Posting URLs in a Disaster-Related Tweet on Rumor Spreading Behavior
Yuko Tanaka, Yasuaki Sakamoto, Hidehito Honda

Task Characteristics, Team Processes and Individual Use of Collaboration Technology: Test of a Cross-level Mediation Model
Likoebe Maruping, Massimo Magni

The Antecedents of Commitment towards Collaborative Work Practice Outcomes
David Kocsis, Abdurrahman Alothaim, Trijama de Vreede, Lotfollah Najjar, Gert-Jan de Vreede

Technology Mediated Collaborations in Healthcare
Co-Chairs: Souren Paul, Arkalgud Ramaprasad, and Nilmini Wickramasinghe

CL 22 - Technology KONA 4   THURSDAY 8 - 9:30am

Co-creation of Knowledge in Healthcare: A Study of Social Media Usage
Fatou Bagayogo, Liette Lapointe, Jui Ramaprasad, Isabelle Vedel

Communicating Personal Health Information in Virtual Health Communities: A Theoretical Framework
Nima Kordzadeh, John Warren

Improving Knowledge Provision for Shared Decision Making in Patient-Physician Relationships - A Multiagent Organizational Approach
Tobias Widmer, Marc Premm, Manfred Criegee-Rieck, Nilmini Wickramasinghe

► Meaningful Use of Electronic Health Records for Physician Collaboration: A Patient Centered Health Care Perspective
Cherie Noteboom, Sergey Motorny, Sajda Qureshi, Surendra Sarnikar

Working and Gaming in 3D Virtual Environments
Co-Chairs: Gert-Jan de Vreede, Moez Limayem, and Imed Boughzala

CL 23 - Working KOHALA 1   WEDNESDAY 2-3:30pm

Repositories of Community Memory as Visualized Activities in 3D Virtual Worlds
Mikhail Fominykh, Ekaterina Prasolova-Forland, Leif Martin Hokstad, Mikhail Morozov

Explaining the Development of the Excessive Use of Massively Multiplayer Online Games: A Positive-Negative Reinforcement Perspective

You: What Generation Y Thinks about Corporate Social Networking Applications?
Imed Boughzala

► Best Paper Nomination

DECISION ANALYTICS, MOBILE SERVICES AND SERVICE SCIENCE TRACK
Co-Chairs: Christer Carlsson and Haluk Demirkan

Analytics and Design-led Innovations & Management
Chair: Haluk Demirkan

DA 1 - Analytics KONA 4   THURSDAY 1 - 2:30pm

Representing Service Business Models with the Service Business Model Canvas - The Case of a Mobile Payment Service in the Retail Industry
Andreas Zolnowski, Christian Weiß, Tilo Boehmann

► Internet Interconnection Techno-economics: A Proposal for Assured Quality Services and Business Models
Antonio Ghezzi, Eleni Agiatzidou, Manos Dramitinos, Finn Tore Johansen, Håkon Losethagen, Andrea Rangone, Raffaello Balocco

A Pricing Model for Cloud Computing Service
Tayfun Keskin, Nazim Taskin

Big Data: Challenges, Opportunities and Realities
Co-Chairs: Steve Kaisler, Frank Armour, and Albert Espinosa

DA 2 - BigData KONA 4   THURSDAY 3 - 4:30pm

Opportunities for Business Intelligence and Big Data Analytics in Evidence Based Medicine
Omar El-Gayar, Prem Timsina

► Towards Model-Driven Engineering for Big Data Analytics - An Exploratory Analysis of Domain-Specific Languages for Machine Learning
Dominic Breuker

Advanced Analytics - Issues and Challenges in a Global Environment
Stephen Kaiser, J. Albert Espinosa, Frank Armour, William H. Money

Industrial Open Data: Case Studies of the Early Open Data Entrepreneurs
Juho Lindman, Tomi Kinnari, Matti Rossi

Data, Text and Web Mining for Managerial Decision Support
Co-Chairs: Dursun Delen and Asil Oztekin

DA 3 - Data Text QUEEN’S 6   TUESDAY 10 - 11:30am

► Trading on Twitter: The Financial Information Content of Emotion in Social Media
HongKee Sul, Alan Dennis, Lingyao Yuan

Star Ratings versus Sentiment Analysis - A Comparison of Explicit and Implicit Measures of Opinions
Parisa Lak, Ozgur Turetken
An Ontology-based Information Extraction (OBIE) Framework for Analyzing Initial Public Offering (IPO) Prospectus
Jie Tao, Amit Deokar, Omar El-Gayar

DA 4 - Data Text  QUEEN’S 6  TUESDAY 2 - 3:30pm

Data Mining to Improve Safety of Blood Donation Process
Madhav Erraguntla, Peter Tomasulo, Kevin Land, Hany Kamel, Marjorie Bravo, Barbee Whitaker, Richard Mayer, Sarita Khaire

Analyzing the Predictability of Exchange Traded Funds Characteristics in the Mutual Fund Market on the Flow of Shares using a Data Mining Approach
Asil Oztekin, Kyle Best, Dursun Delen

Investigating Features in Support of Web Tools for Information Gathering
Anwar Alhenshiri, Carolyn Watters, Michael Shepherd, Jack Duffy

Decision Making in Production Processes
Co-Chairs: Norbert Gronau and Helen Zong

DA 5 - Production  QUEEN’S 6  THURSDAY 1 - 2:30pm

► An Evolutionary Approach on Multi-objective Scheduling for Evolving Manufacturing Systems
Benjamin Klopper, Jan-Patrick Pater, Wilhelm Dangelmaier

Decision-Making Process in Manufacturing Technology Planning for Small Scale Productions
Fritz Klocke, Arntz Kristian, Dominik Heeschen

A Web-based Smart Inference System to Support Automated Generation of LCA Simulation Models
Sarfraz Ul Hauqe Minhas, Ulrich Berger

Decision Support for Sustainability
Co-Chairs: Omar El-Gayar, PingSun Leung, and Arno Scharl

DA 6 - Sustainability  QUEEN’S 5  WEDNESDAY 2 - 3:30pm

► A Model and Simulation Framework for Exploring Potential Impacts of Land Use Policies: The Brazilian Cerrado Case
Carolina Abreu, G C. Coelho, Célia Ralha, Bruno Macchiavello

Towards Proactive and Flexible Agent-Based Generation of Policy Packages for Active Transportation
Araz Taeihagh, Rene Banares-Alcantara

Early Assessment of an Approach to Determining the Predictive Coverage of Case-Based Reasoning with Adaptation through CARMA
John Hastings, Alexandre Latchininsky, Tyler Adelung, Scott Schell

DA 7 - Sustainability  QUEEN’S 5  WEDNESDAY 4 - 5:30pm

Towards Green Business Process Management: Concept and Implementation of an Artifact to Reduce the Energy Consumption of Business Processes
Markus Reiter, Peter Fettke, Peter Loos

► Best Paper Nomination

Offshore Wind Energy in Emerging Countries: A Decision Support System for the Assessment of Projects
André Koukal, Michael H. Breitner

Product Carbon Footprint and Life Cycle Assessment of ICT - Literature Review and State of the Art
Daniel Grimm, Daniel Weiss, Koray Erek, Ruediger Zamekow

Information Filtering and Retrieval: Soft Computing Based Approaches
Co-Chairs: Gabriella Pasi and Witold Pedrycz

DA 8 - Retrieval  QUEEN’S 6  THURSDAY 3 - 4:30pm

A Combined Method for Mitigating Sparsity Problem in Tag Recommendation
Endang Djuana, Yue Xu, Yuefeng Li, Audun Jæsang

Modeling Technology Assessment via Knowledge Maps
Elan Sasson, Gilad Ravid, Nava Fliskin

Soft Retrieval and Uncertain Databases
Ronald Yager, Rachel Yager

Innovation, Design, and Development of ICT Enabled Services
Co-Chairs: Tuure Tuunanen, Tilo Böhmann, and David Tilson

DA 9 - Innovation  QUEEN’S 6  TUESDAY 4 - 5:30pm

Special Session – ICT-enabled Value Co-creation in Manufacturing: The Promise and Pitfalls of Cyber-physical Systems and Services (CPSS)
Co-chairs: Tuure Tuunanen, Tilo Böhmann
Participants: Helmut Krcmar and Lars Mathiassen

We start with short presentations of respective views on the intersection of IS research and cyber-physical systems and services. Followed by a discussion structured around certain specific questions (see hand-out), e.g. which viewpoints are most promising for researching PSS from an IS perspective; given the current state of development of CPSS, is design research the most promising method; how will CPSS challenge key research streams in the IS discipline; and to what extent will CPSS research drive collaboration between academia and industry, as well as interdisciplinary collaboration? Closed by a summary of challenges for IS research.

DA 10 - Innovation  QUEEN’S 6  WEDNESDAY 8 - 9:30am

► Value Creation and Evolution of a Value Network: A Longitudinal Case Study on a Platform-as-a-Service Provider
Arto Ojala, Nina Helander

Towards a Better Understanding of the Dynamics of Platform as a Service Business Models
Andrea Giessmann, Philipp Kyas, Pasi Tyrväänen, Katarina Stanoevska-Slabeva

Domain Specific Case Tool for ICT-Enabled Service Design
Tuure Tuunanen, Michael Przybilski

Context-Based Energy Saving Strategies for Continuous Determination of Position on iOS Devices
Wolfgang Narzt

Best Paper Nomination
Intelligent Decision Support for Logistics and Supply Chain Management  
Co-Chairs: Hans-Jürgen Sebastian and Stefan Voss

DA 11 - Intelligent QUEEN’S 5  TUESDAY 8 - 9:30am

Dynamic Hub Location Problems with Single Allocation and Multiple Capacity Levels  
Astrid Hörrhammer

Decision Support for Capacitated Arc Routing for Providing Municipal Waste and Recycling Services  
Aman Preet Singh, Guenther Ruhe, Seyed Abbas Hosseini Amereei, Scott Banack

Intelligent Decision Support for Aircraft Logistics at Commercial Airports  
L. Douglas Smith

Mobile Value Services  
Co-Chairs: Harry Bouwmann and Pirkko Walden

DA 12 - Value KONA 1  WEDNESDAY 8 - 9:30am

The Relationship between Open Innovation and Strategy: Data-driven Analysis of the Mobile Value Services Industry  
Antonio Ghezzi, Raffaello Balocco, Andrea Rangone

An Institutional Perspective of Mobile Payment Adoption: The Case of Japan  
Remy Magnier-Watanabe

Privacy as a Tradeoff: Introducing the Notion of Privacy Calculus for Context-Aware Mobile Applications  
Zhan Liu, Jialu Shan, Riccardo Bonazzi, Yves Pigneur

DA 13 - Value KINGS 1  WEDNESDAY 10 - 11:30am

An Exploratory Smartphone Measurement: Perception vs. Actual Use  
Shahrokh Nikou

A Context-Sensitive Tool to Support Mobile Technology Acceptance Research  
Elisabeth Pergler, Richard Hable, Ernesto Rico-Schmidt, Christian Kittl, Rainer Schamberger

An Exploratory Study of the Motives Engaged in the Dissemination of Social Word-of-Mouth via Mobile Device  
Pin Luarn, Yu-Ping Chiu, Jhen-Chieh Yang

MOSDEN: An Internet of Things Middleware for Resource Constrained Mobile Devices  
Charith Perera, Prem Prakash Jayaraman, Arkady Zaslavsky, Peter Christen, Dimitrios Georgakopoulos

Multi-criteria Decision Support  
Co-Chairs: Heinz Roland Weistroffer and Jyrki Wallenius

DA 14 - Multi-criteria QUEEN’S 6  WEDNESDAY 10 - 11:30am

Special Session – The Process of Multicriteria Decision Support Practical Approaches, New Perspectives and Behavioral Issues

Best Paper Nomination

DA 15 - Multi-criteria QUEEN’S 6  WEDNESDAY 2 - 3:30pm

Market Potential Analysis and Branch Network Planning: Application in a German Retail Bank  
Stephan Schneider, Florian Seifert, Ali Sunyaev

Customer Order-Driven BOCR-Based Supplier Selection  
Chang Joo Yun, Chung-Hsing Yeh, Susan Bedingfield

Supplier Selection by Multi-Attribute Combinatorial Bidding  
Joice Cavalheiro Ribeiro Giacon, Hugo T. Yoshida Yoshizaki, Gilberto Montibeller

DA 16 - Multi-criteria QUEEN’S 6  WEDNESDAY 4 - 5:30pm

GCAR: A Group Composite Alternatives Recommender Based on Multi- Criterion Optimization and Voting  
Hanan Mengash, Alexander Brodsky

Dissemination and Impact of Multi-criteria Decision Support Methods for IT Project Evaluation  
E.W.N. Bernroider, Nikolaus Obwegeser, Volker Stix

A Multiple Criteria Decision Analysis (MCDA) Software Selection Framework  
Yan Li, Manoj Thomas

Network DSS: Decision Support in Mobile Social and Sensor Networks  
Co-Chairs: Alex Bordetsky, Dan Dolk, and Stefan Pickl

DA 17 - NetworkDSS QUEEN’S 6  THURSDAY 8 - 9:30am

Employing Smartphones as a Low-Cost Multi Sensor Platform in a Field Operational Test with Electric Vehicles  
Matthias Pfriem, Frank Gauterin

Slime Mold Inspired Evolving Networks under Uncertainty (SLIMO)  
Erik Kropat, Silja Meyer-Nieberg

Tracking Targets under Uncertainty: Natural Computing Approaches  
Silja Meyer-Nieberg, Erik Kropat

Chair: Raimo P. Hämäläinen
Participants: Christer Carlsson, Detlof von Winterfeldt, Rakesh Sarin, and Hannele Walleniu

This session raises issues that are important in the practice of decision support ranging from the structuring and problem understanding phase to new findings in behavioral issues. We must take problem owners and participants into account and not only think about technical characteristics of the MCDA tools. One must be sensitive to both behavioral issues: how people actually make decisions as well as prescriptive issue: rational method for decision-making. The themes to be discussed will include path dependence and the Guided Decision Making approach with applications to investment, insurance and project selection.
New Economic Models of the Digital Economy  
Co-Chairs: Roger Maull and Cathy Mulligan

DA 18 - New Economic  QUEEN’S 6  THURSDAY 10 -11:30am

The Impact of Datafication on Services Systems  
Roger Maull, Phil Godsiff, Cathy Mulligan

Investigating Location-Based Services From a Business Model Perspective  
Stephanie Ryschka, Josefine Tonn, Kyung-Hun Ha, Markus Bick

Modularity and Network Integration: Emergent Business Models in Banking  
J. M. Liebenau, S. M. Elahf-Calderwood, C. M. Bonina

► When Common Knowledge Becomes Common Doubt - Modeling IT-Induced Ambiguities about the Strategic Situation as Reasons for Flash Crashes  
Tobias Brandt, Dirk Neumann

Service Analytics  
Co-Chairs: Hansjorg Fromm and Thomas Setzer

DA 19 - Service  KING’S 2  WEDNESDAY 2 - 3:30pm

Cultural Differences in Playing Repeated Ultimatum Game Online with Virtual Human  
Elnaz Nouri, David Traum

On the Robustness of ARIMA-based Benchmarks for Corporate Financial Planning Quality  
Jochen Martin, Thomas Setzer

User Heterogeneity in Trading Systems: Assessing Trader’s Market Predisposition via Personality Questionnaires  
Tobias Thodor Kranz, Florian Teschner, Christof Weinhardt

Service Science, Management, and Engineering (SSME)  
Co-Chairs: Fu-ren Lin, Paul Maglio, and Mike Shaw

DA 20 - SSME  QUEEN’S 5  TUESDAY 2 - 3:30pm

Special Session – University-industry Collaborations for Research and Education in Service  
Chair: Mike Shaw  
Participants: Christer Carlsson, Fu-ren Lin, and Paul Maglio

Increasingly, there is broad recognition that problems in service require special attention, and that skills relevant for service have been under-appreciated. In many cases, service research and education occurs in the context of university industry collaborations, whether at the level of projects or programs. We will explore 3 university-industry collaborations for servicer search and education drawn from Europe, Asia, and the US.

DA 21 - SSME  QUEEN’S 5  TUESDAY 4 - 5:30pm

Reconciling Resource Integration and Value Propositions - The Dynamics of Value Co-creation  
Jaakko Siltaloppi, Stephen Vargo

► Best Paper Nomination

Towards a “BI Value Coin”: Applying Service Research to Address Business Intelligence Challenges  
Johan van Loggerenberg, Hugo Lotriet, Pamela Clavier

A Situated and Embodied Approach to Service-Design  
Anshuman Saxena, Alain Wegmann

DA 22 - SSME  QUEEN’S 5  WEDNESDAY 8 - 9:30am

Measuring Service Productivity: The Case of a German Mobile Service Provider  
Hans Peter Rauer

The Service Recovery Paradox in a Call-Center Context: Compensation and Timeliness in Recovering Mobile Customers  
Raquel Reis Soares, João F. Proença, P. K. Kannan

Service Value Network Formation for Organic Agricultural Produce: An Actor Network Theory Perspective  
Fu-ren Lin, Szu-yun Wang

DA 23 - SSME  QUEEN’S 5  WEDNESDAY 10 - 11:30am

Challenges for Cloud-Based Simulation Games  
Bastian Kurbjuhn, Frederik Kramer, Klaus Turowski

► Outsourcing of Disaggregated Services in Cloud-Based Enterprise Information Systems  
Aleksandre Asatiani, Uday Apte, Esko Penttinen, Mikko Rönnkö, Timo Saarinen

Service Identification - An Explorative Evaluation of Recent Methods  
Frederik Kramer, Carsten Görling, Stefan Wind

Soft Computing and Intelligent Data Analysis  
Chair: Rudolf Kruse

DA 24 - Soft Computing  QUEEN’S 5  TUESDAY 10 - 11:30am

A Neural Network-based Ensemble Prediction using PMRS and ECM  
DongKuan Xu, Yi Zhang, Cheng Cheng, Wei Xu, Likuan Zhang

Identification of Linear Switching System with Unknown Dimensions  
Amir Shirdel, Kaj-Mikael Bjork, Hannu Toivonen

Visualization and Analytics for Decision Support, Operational Management, and Scientific Discovery  
Co-Chairs: David S. Ebert, Thomas Ertl, and Kelly Gaither

DA 25 - Visualization  QUEEN’S 5  THURSDAY 3 - 4:30pm

► Towards a Visual Analytics Framework for Handling Complex Business Processes  
William Ribarsky, Xiaoyu Wang, Wenwen Dou, William Tolone

Studying Animation for Real-Time Visual Analytics: A Design Study of Social Media Analytics in Emergency Management  
Nadya A. Calderon, Richard Arias-Hernandez, Brian Fisher

47th Hawaii International Conference on System Sciences
Retaining Interactivity in a Visual Analytics System for Massive Public Transportation Data Sets
*Michael Wörner, Thomas Ertl*

**DIGITAL AND SOCIAL MEDIA TRACK**
*Co-Chairs: Kevin Crowston and Karine Nahon*

Crowdsourcing Content Production and Online Knowledge Repositories
*Co-Chairs: Pnina Fichman, Noriko Hara, and Howard Rosenbaum*

**DSM 1 - Crowdsourcing** ^KONA 1^ **THURSDAY 10 - 11:30am**

Questioning the Question - Addressing the Answerability of Questions in Community Question-Answering
*Chirag Shah, Vanessa Kitzie, Erik Choi*

► Value-Adding Intermediaries in Software Crowdsourcing
*Hamed Tajedin, Dorit Nevo*

User Involvement in Self-Governing Contents in Professional Online Communities
*Tingting Zhang, William Wang, Angsana Techatassanasoontorn*

**Data Analytics and Data Mining for Social Media**
*Co-Chairs: David Yates, Jennifer Xu, and Dominique Haughton*

**DSM 2 - Data** ^QUEEN’S 4^ **WEDNESDAY 8 - 9:30am**

Cues to Deception in Social Media Communications
*Erica Briscoe, Darren Appling, Heather Hayes*

Effect of Social Networks on Online Reviews
*Parastoo Samiei, Arvind K. Tripathi*

► Using Large Scale Aggregated Knowledge for Social Media Location Discovery
*Dennis Thom, Harald Bosch, Robert Krüger, Thomas Ertl*

**DSM 3 - Data** ^QUEEN’S 4^ **WEDNESDAY 10 - 11:30am**

Visual Network Analysis of Twitter Data for Co-organizing Conferences: Case CMAD 2013
*Jari Jussila, Jukka Huhtamäki, Kaisa Henttonen, Hannu Kärkkäinen, Kaisa Still*

A Bit of Code: How the Stack Overflow Community Creates Quality Postings
*Megan Squire, Christian Funkhouser*

A Framework for Recommender Systems in Online Social Network Recruiting: An Interdisciplinary Call to Arms
*Ricardo Buettner*

Mining Frequent Trajectory Patterns and Regions-of-Interest from Flickr Photos
*Guochen Cai, Chihiro Hio, Luke Beringham, Kyungmi Lee, Ickjai Lee*

► Best Paper Nomination

**Materiality of Information: Documents and Work**
*Co-Chairs: Carsten Østerlund, David Ribes, and Daniela K. Rosner*

**DSM 4 - Materiality** ^KONA 1^ **TUESDAY 8 - 9:30am**

► Seeing with Paper: Government Documents and Material Participation
*Megan Finn, Janaki Srinivasan, Rajesh Veeraraghavan*

Business Processes as Sociomaterial Networks: Exploring the Multiple Dimensions of Flexibility in Process Modeling
*Joao Porto de Albuquerque, Marcel Christ*

**DSM 5 - Materiality** ^KONA 1^ **TUESDAY 10 - 11:30am**

Institutional Ethnography (IE), Texts and the Materiality of the Social
*Marie Campbell*

Technology-related Interruptions and Paper-based Documents at Back-office Knowledge Work
*Sari Yli-Kauhaluoma, Mika Pantzar*

**Network Analysis of Social and Digital Media**
*Co-Chairs: George A. Barnett and Devan Rosen*

**DSM 6 - Network** ^KONA 1^ **TUESDAY 2 - 3:30pm**

► I’m Not Just Wasting Time Online! Test of Situational Awareness: An Exploratory Study
*Rebecca Badawy, Michael Stefanone, Robyn Brouer*

Characterizing Communication Networks Associated with Political Hashtags
*Misa Maruyama, Daniel Suthers, Scott Robertson*

Twitter Connections among Local Health Departments as Potential Pathways for Dissemination
*Jenine Harris, Ross Brownson, Ryan Bell, Ryan Maier, Elisia Cohen, Nancy Mueller*

**DSM 7 - Network** ^KONA 1^ **TUESDAY 4 - 5:30pm**

Detection of Domestic Human Trafficking Indicators and Movement Trends Using Content Available on Open Internet Sources
*Michele Ibanez, Daniel Suthers*

Search in Social Networks: Designing Models and Algorithms that Maximize Human Influence
*Ericsson Marin, Cedric de Carvalho*
Impact Factor 2.0: Applying Social Network Analysis to Scientific Impact Assessment
Christian Hoffmann, Christoph Lutz, Miriam Meckel

Social Media and Learning
Co-Chairs: Maarten de Laat, Caroline Haythornthwaite, Shane Dawson, and Dan Suthers

DSM 8 - Learning KONA 1 WEDNESDAY 2 - 3:30pm
Hei Mookie! Where Do I Start? The Role of Artifacts in an Unmanned MOOC
Marisa Ponti

Collaborative Learning in Facebook: Adverse Effects of Individual Preparation
Raluca Judele, Dimitra Tsovaltzi, Thomas Puhl, Armin Weinberger

Badges of Friendship: Social Influence and Badge Acquisition on Stack Overflow
Alexander Halavais, Kwon Kyounghee, Shannon Havener, Jason Striker

DSM 9 - Learning KONA 1 WEDNESDAY 4 - 5:30pm
Novice Programmers Talking about Projects: What Automated Text Analysis Reveals about Online Scratch Users’ Comments
Nicole Forsgren Velaseuz, Deborah A. Fields, Taylor Martin, David H. Olsen, Mark C. Shepherd, Anna Strommer, Yasmin B. Kafai

Social Network Enhancement for Non-formal Learning
Christopher Whitty, Rachid Anane

Social Media and Workplace: Job and Work Design Issues in a Social Enterprise
Co-Chairs: Xuefei (Nancy) Deng, K. D. Joshi, and Yibai Li

DSM 10 - Workplace KONA 1 THURSDAY 8 - 9:30pm
Learning by Blogging: Understanding Salespeople’s Learning Experiences on Social Media
Minna Rollins, Jack Wei, David Nickell

Re-tweeting and the Theory of Middle-Status Conformity in the Post-Adoption Use of Twitter
Tom Mattson, Salvatore Aurigemma

Unfriending on Facebook: Context Collapse and Unfriending Behaviors
Christopher Sibona

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

DSM 11 - Communities QUEEN’S 4 TUESDAY 8 - 9:30am
Understanding Social Commerce Intention: A Relational View
Jun Chen, Xiao-Liang Shen, Zhen-Jiao Chen

Investigating Effects of Monetary Reward on Information Disclosure by Online Social Network Users
Joshana Shibchum, Xiang Bin Yan

The Role of Marketer- and User-generated Content in Sustaining the Growth of a Social Media Brand Community
Yi Ding, Chee Wei Phang, Xianghua Lu, Chuan-Hoo Tan, Juliana Sutanto

DSM 12 - Communities QUEEN’S 4 TUESDAY 10 - 11:30am
Cheating, Social Network Games and the Role of Platforms
Mia Consalvo, Irene Serrano Vazquez

Facebook Fallout: The Emotional Response to Being Unfriended on Facebook
Christopher Sibona

DSM 13- Communities QUEEN’S 4 TUESDAY 2 - 3:30pm
Is Web 2.0 Culture-free or Culture-bound? Differences between American and Korean Blogs
Haiyan Jia, S. Shyam Sundar, Ji Young Lee, Seoyeon Lee

Social Media Gerontology: Understanding Social Media Usage among a Unique and Expanding Community of Users
Clayton Hutto, Caroline J. Bell

Government and Social Media: Case Study of 31 Informational World Cities
Agnes Mainka, Sarah Hartmann, Wolfgang G. Stock, Isabella Peters

DSM 14- Communities QUEEN’S 4 TUESDAY 4 - 5:30pm
Collaboration via Cooperation and Competition: Small Community Clustering in an MMO
Nathaniel Poor

Link Sharing on Twitter during Popular Events: Implications for Social Navigation on Websites
Naureen Nizam, Carolyn Watters, Anatoliy Gruzd

The Effect of Community Type on Knowledge Sharing Incentives in Online Communities: A Meta-Analysis
Mohamed Abouzahra, Joseph Tan

Best Paper Nomination

47th Hawaii International Conference on System Sciences
Text Analytics  
Co-Chairs: Carolyn Watters and Evangelos Milios

Large-Scale Web Page Classification
Sathi Marath, Michael Shepherd, Evangelos Milios, Jack Duffy

Mapping the Territories of Privacy: Textual Analysis of Privacy Frames in American Mainstream News
Federica Fornaciari

Word Cloud Explorer: Text Analytics based on Word Clouds
Florian Heimerl, Steffen Lohmann, Simon Lange, Thomas Ertl

The Humanized Web: Networks, Crowds, and their Output  
Co-Chairs: Jeffrey Nickerson, Donald Steiny, and Harri Oinas-Kukkonen

E-GOVERNMENT TRACK
Chair: Hans (Jochen) Scholl

E-Government Education
Co-Chairs: Elsa Estevez, Wojciech Cellary, and Jim Davies

User-Rank: Generic Query Optimization for Participatory Social Applications
Danny Hughes, Caren Crowley, Wilfried Daniels, Rafael Bachiller, Wouter Joosen

Who Wants to “share weather”? The Impacts of Off-line Interactions on Online Behavior
Katarina Elevant

Examining the Role of “Place” in Twitter Networks through the Lens of Contentious Politics
Jeff Hemsley, Josef Eckert

The Value of a Recommendation: The Role of Social Ties in Social Recommender Systems
Oliver Oechslein, Thomas Hess

The Influence of Negative Emotions in an Online Brand Community on Customer Innovation Activities
Hanjun Lee, Suyeon Jung, YongMoo Suh

Discussion on the Future of the Humanized Web at HICSS

E-Government at Work Level: Skilling or De-skilling?
Tino Schuppan

The Project TEDS@wildau: TEDS Framework Integration into the MOODLE Platform for User-Specific Quality Assurance of Learning Scenarios
Margit Scholl, Peter Ehrlich, Andreas Wiesner-Steiner, Denis Edich

Discussion on the Future of E-Government Education

Emerging Topics
Co-Chairs: Theresa Pardo, Tino Schuppan, and Samuel Fosso Wamba

A Framework for Benchmarking Open Government Data Efforts
Djoko Sigit Sayogo, Theresa Pardo, Meghan Cook

Finding Needle in the Case-stack: Effective Remote “monitoring” of Courts
Amn Rehman, Hassan Nawaz, Omar Naeem, Fareed Zaffar, Farooq Naseer, Adeel Zaffar

The Orientation-Maturity Framework for Understanding the E-Government Key Issues in China
Nan Zhang, Cong Yin, Qingguo Meng

ICT-enabled Crisis, Disaster, and Catastrophe Management
Co-Chairs: Akemi Takeoka Chatfield, Jose J. Gonzalez, and Tina Comes

#Sandy Tweets: Citizens’ Co-Production of Time-Critical Information during an Unfolding Catastrophe
Akemi Takeoka Chatfield, Hans (Jochen) Scholl, Uuf Brajawidagda

Feelings and Perspective Matter: Sharing of Crisis Information in Social Media
Rongjuan Chen, Yasuaki Sakamoto

Social Media and Emergency Management: Exploring State and Local Tweets
Lemuria Carter, Jason Thatcher, Ryan Wright

Discussion on the Future of the Humanized Web at HICSS
Table-top Exercises for Emergency Management: Tame Solutions for Wicked Problems
Svante Edzen

Infrastructure Security
Co-Chairs: Wm. Arthur Conklin, Ray Vaughn, and Gregory White

EG 5 - Infrastructure KING’S 1 TUESDAY 8 - 9:30am
Designing a Formal Model Facilitating Collaborative Information Sharing for Community Cyber Security
Wanying Zhao, Gregory White

Municipal E-Government Security: Insights from a Study of Orange County, California
Timothy Perez

EG 6 - Infrastructure KING’S 1 TUESDAY 10 - 11:30am
Re-engineering Cybersecurity Education in the US: An Analysis of the Critical Factors
Wm. Arthur Conklin, Raymond Cline, Tiffany Roosa

Security Analysis of Selected AMI Failure Scenarios Using Agent Based Game Theoretic Simulation
Robert Abercrombie, Bob Schlicher, Frederick Sheldon

Unintentional Insider Threat: Contributing Factors, Observables, and Mitigation Strategies
Frank L. Greitzer, Jeremy Strozer, Sholom Cohen, John Bergey, Jennifer Cowley, Andrew Moore, and David Mundie

Open Data and Cloud Services
Co-Chairs: Marijn Janssen, Yannis Charalabidis, and Helmut Krcmar

EG 7 - Cloud KONA 1 THURSDAY 1 - 2:30pm
Applying Design Patterns in URI Strategies - Naming in Linked Geospatial Data Infrastructure
Sonya Abbas, Adegbuyegba Ojo

Dynamic Capabilities for Information Sharing: XBRL Enabling Business-to-government Information Exchange
Marijn Janssen, Yao-hua Tan

Evaluating Second Generation Open Government Data Infrastructures Using Value Models
Yannis Charalabidis, Euripidis Loukis, Charalabos Alexopoulos

EG 8 - Cloud KONA 1 THURSDAY 3 - 4:30pm
From the Ground to the Cloud - A Structured Literature Analysis of the Cloud Service Landscape around the Public and Private Sector
Steffi Haag, Andreas Eckhardt, Julia Krönung

Having the Mind in the Cloud: Organizational Mindfulness and the Successful Use of Desktop as a Service
Sabine Dernbecher

Best Paper Nomination
Services and Information  
Co-Chairs: L. Christian Schaupp, Lemuria Carter, and Rodrigo Sandoval Almazan

EG 12 - Services WAIKOLOA 3 WEDNESDAY 2 - 3:30pm

► The Role of Familiarity or Experience in Generating Trust and in its Impact on Continued Use
  *Cayetano Medina Molina, Ramón Rufín Moreno*

Explanation of Public Private Partnership (PPP) Outcomes in E-Government - A Social Capital Perspective
  *Ramesh Narasimhan, Madhuchhanda Das Aundhe*

Motivations, Deployment, and Assessment of Taiwan’s e-Invoicing System: An Overview
  *Yuh-Jzer Joung, Yen-Chung Tseng, Shih-Chao Cha, Nai-Wei Lo, Gary Chung, Chun-Kun Liu*

E-Government Web Portal Adoption: A Service Level and Service Quality Perspective
  *Xiao Jiang, Shaobo Ji*

Social Media and Social Networking and Government  
Co-Chairs: Suha AlAwadhi, Jay Kesan, and Marko M. Skoric

EG 13 - Social WAIKOLOA 3 WEDNESDAY 4 - 5:30pm

Application of Web 2.0 Technologies in e-Government: A United Kingdom Case Study
  *Uthayasankar Sivarajah, Zahir Irani, Stephen Jones*

► Crowdsourcing Hazardous Weather Reports from Citizens via Twittersphere under the Short Warning Lead Times of EF5 Intensity Tornado Conditions
  *Akemi Takeoka Chatfield, Uuf Brajawidagda*

My name is Khan: The Use of Twitter in the Campaign for 2013 Pakistan General Election
  *Saifuddin Ahmed, Marko Skoric*

Transformational Government  
Co-Chairs: J. Ramon Gil-Garcia, Miriam Lips, and Leif Skitines Flak

EG 14 - Transformational WAIKOLOA 3 TUESDAY 2 - 3:30pm

► The Role of Social Actors in the Sustainability of E-government Implementation and Use: Experience from Indonesian Regencies
  *Nurdin Nurdin, Rosemary Stockdale, Helana Scheepers*

Enacting Collaborative Electronic Government: Empirical Evidence and Lessons for Developing Countries
  *Pernille Monstad Røberg, César Rentería, Luis F. Luna-Reyes*

Unveiling Barriers and Enablers of Risk Management in Interoperability Efforts
  *Pernille Monstad Røberg, Leif Skitines Flak, Per Myrseth*

Best Paper Nomination

47th Hawaii International Conference on System Sciences
A Real-time Scheme for Validation of an Auto-regressive Time Series Model for Power System Ambient Inter-area Mode Estimation  
Gurudatha Katapadi Pai, John W Pierre

Modal Energy Trending for Ringdown Analysis in Power Systems using Synchronphasors  
Zaid Tashman, Vaithianathan "Mani" Venkatasubramanian

Phasor Measurement Unit Placement for Identifying Power Line Outages in Wide-Area Transmission System Monitoring  
Hao Zhu, Yiyu Shi

Integrating Distributed and Renewal Resources  
Chair: Seth Blumsack

ES 4 - Integrating KOHALA 1  TUESDAY 4 - 5:30pm

Distributed Energy Resources  
Session Chair: David Chassin, PNNL

Self-Balancing Distributed Energy in Power Grids: An Architecture Based on Autonomic Computing  
Jennifer Perez, Jessica Diaz, Carlos Vidal, Daniel Rodriguez, Diego Fernández

Storage Sizing and Placement through Operational and Uncertainty-Aware Simulations  
Krishnamurthy Dvijotham, Misha Chertkov, Scott Backhaus

Fast Regulation Service Provision via Aggregation of Thermostatically Controlled Loads  
Borhan Sanandaji, He Hao, Kameshwar Poolla

Integrating Distributed and Renewal Resources  
Chair: Seth Blumsack

ES 6 - Integrating KOHALA 1  WEDNESDAY 10 - 11:30am

Session Chair: Charlie Smith, UWIG

Effect of PV Generation on Conventional Generation  
Rajatha Bhat, Miroslav Begovic, Insu Kim, John Crittenden

The Impact of Variable Market Price on Optimal Control of Wind-Hydro Storage System in Kenya  
Maureen Murage, Judy Cardell, June Lukuyu, Lindsay Anderson

Variable Generation, Reserves, Flexibility and Policy Interactions  
James Ryan, Erik Ela, Damian Flynn, Mark O’Malley

Resilient Networks  
Chair: Jeff Dagle

ES 7 - Resilient KOHALA 1  THURSDAY 8 - 9:30am

Computational Methods and Challenges  
Session Chair: Tom Overbye, UIUC

Thread Group Multithreading: Accelerating the computation of an Agent-based Power System Modeling and Simulation Tool - GridLAB-D  
Shuangshuang Jin, David Chassin

GPU-Accelerated Solutions to Optimal Power Flow Problems  
Logan Rakai, Bill Rosehart

Investigation of Non-Zero Duality Gap Solutions to a Semidefinite Relaxation of the Optimal Power Flow Problem  
Daniel Molzahn, Bernard Lesieutre, Christopher DeMarco

Economics, Markets and Policy  
Chair: Tim Mount

ES 8 - Economics KOHALA 1  THURSDAY 10 - 11:30am

Demand Response and Customer Participation  
Session Chair: Richard Schuler, Cornell University

Measurement of Energy Market Inefficiencies in the Coordination of Natural Gas & Power  
Richard Tabors, Seabron Adamson

Electricity Restructuring, Consumer Prices and the Cost of Capital: Lessons for the Modeling of Future Policy  
Leonard Hyman, Richard Schuler

Increasing the Role of Demand Resources in Electricity Markets  
Alberto Lamadrid, Tim Mount, Wooyoung Jeon, Hao Lu

The Effects of Residential Energy Efficiency on Electric Demand Response Programs  
Ward Jewell

Best Paper Nomination
INFORMATION TECHNOLOGY IN HEALTHCARE TRACK  
Co-Chairs: William Chismar and Tom Horan

Data Analysis and Visualization in Biomedical Informatics  
Co-Chairs: Hesham Ali and Kate Dempsey

HC 1 - Biomedical  
KING’S 2  
TUESDAY 2 - 3:30pm
► Learning Predictive Models from Integrated Healthcare Data: Extending Pattern-based and Generative Models to Capture Temporal and Cross-Attribute Dependencies  
Rui Henriques, Claudia Antunes

Application of a Hybrid Text Mining Approach to the Study of Suicidal Behavior in a Large Population  
Kenric Hammond, Ryan Laundry

SNP-SNP Interaction using Gauss Chaotic Map Particle Swarm Optimization to Detect Susceptibility of Breast Cancer  
Li-Yeh Chuang, Yu-Da Lin, Hsueh-Wei Chang, Cheng-Hong Yang

Global Health IT Strategies and Applications  
Co-Chairs: Joseph Tan, Sarah L. Patrick, and Michael Dohan

HC 2 - Global  
KING’S 2  
TUESDAY 10 - 11:30am
Medical Document Classification Based on MeSH  
Abdulla Alghoson

Mobile Personal Health Records: Research Agenda for Applications in Global Health  
Michael Dohan, Mohamed Abouzahra, Joseph Tan

HC 3 - HCI  
KING’S 2  
WEDNESDAY 4 - 5:30pm
Towards a Cardiology/EHR Interaction Workflow Usability Evaluation Method  
Lisa Grabenbauer, Ann Fruhling, John Windle

Alignment of Concerns: A Design Rationale for Patient Participation in eHealth  
Tariq Andersen, Jørgen Bansler, Finn Kensing, Jonas Moll, Karen Dam Nielsen

Video Conference as a Tool to Enable Participation in Discharge Planning - Experiences from Implementers about the Implementation Process  
Malin Hofflander, Lina Nilsson, Christel Borg, Sara Erksén

HC 4 - HCI  
KING’S 2  
THURSDAY 8 - 9:30am
Text Simplification Tools: Using Machine Learning to Discover Features that Identify Difficult Text  
David Kauchak, Obay Mouradi, Chris Pentoney, Gondy Leroy

► Determinants of Vertical and Horizontal Online Health Information Behavior  
Hye-Jin Paek, Thomas Hove

Incorporating an Evidence Base into mHealth Design and Analysis  
Co-Chairs: Janet Brigham and Benjamin Schooley

HC 5 - mHealth  
KING’S 2  
TUESDAY 8 - 9:30am
Enabling Patient Information Handoff from Pre-hospital Transport Providers to Hospital Emergency Departments: Design-Science Approach to Field Testing  
Abdullah Murad, Benjamin Schooley, Thomas Horan, Yousef Abed

Mobile Medical Applications for Melanoma Risk Assessment: False Assurance or Valuable Tool?  
Xavier Chadwick, Lois J. Loescher, Monika Janda, H. Peter Soyer

► Building an Evidence Base Using Qualitative Data for mHealth Development  
Beth Bock, Nancy Barnett, Rochelle Rosen, Kristen Walaska, Herpreet Thind, Victoria Cobb

A Tailoring Algorithm to Optimize Behavior Change  
Janet Brigham, Harold Javitz, Ruth Krasnow, Lisa Jack, Gary Swan

IT Adoption, Diffusion and Evaluation in Healthcare  
Co-Chairs: Leigh Cellucci, Ton Spil, Cynthia LeRouge, and Carla Wiggins

HC 6 - Adoption  
KING’S 1  
WEDNESDAY 2 - 3:30pm
Factors Explaining Physicians’ Acceptance of Electronic Health Records  
Katharina Steiner, Barbara Stiglbauer, Bernd Baumgartner, Bernhard Engleder

Recognizing Patient Safety Importance through Instrument Validation on Physicians’ Assessment of an EHR  
Cherie Noteboom, Kate Dempsey, Ann Fruhling

EMR Adoption among Office Based Physicians and Practices: Impact of Peer-to-peer Interactions, Peer Support and Online Forums  
Priya Nambisan

► Best Paper Nomination
HC 7 - Adoption  KING’S 1   WEDNESDAY 4 - 5:30pm
Adoption of Electronic Health Record System: Multiple Theoretical Perspectives
Qiwei Gan, Qing Cao

General Causality Orientations and the Adoption of Integrated Personal Health Records Systems: A Latent Class Analysis with Distal Outcomes
Vahid Assadi, Khaled Hassanein

Personal Health Records Success; Why Google Health Failed and What Does That Mean for Microsoft HealthVault?
Ton Spil, Richard Klein

HC 8 - Adoption  KING’S 1   THURSDAY 8 - 9:30am
Examining the Social Influence on Information Technology Sustained Use in a Community Health System: A Hierarchical-Bayesian Learning Method Analysis
Haijing Hao, Rema Padman, Baohong Sun, Rahul Telang

A Review of Health Information Technology Implementation Success Factors: Importance of Regulation and Finance
Thi Thanh Hai Nguyen, Kaija Saranto, Tommi Tapanainen, Diana Ishmatova

Governance of Open Source Electronic Health Record Projects: A Successful Case of a Hybrid Model
Placide Poba-Nzaou, Josianne Marsan, Guy Paré, Louis Raymond

The Use of Health Information Technology in Ambulatory Surgery Centers
Carla Wiggins, Teri Peterson

HC 9 - Adoption  KING’S 1   THURSDAY 10 - 11:30am
Exploring User Acceptance of a Text-message Based Health Intervention
Maya Corneille, Lemuria Carter, Naomi Hall-Byers, Trenette Clark, Sinead Younge

Investigating the Influence of Psychological Ownership and Resistance on Usage Intention among Physicians
Tim Smith, Gerald Grant, Alejandro Ramirez

Environment Versus Partnering Experience: An Exploration of Chinese Healthcare IT Manager Attitudes toward Innovation of Services
Dominic Thomas, Yurong Yao, Xitong Guo

HC 10 - Adoption  KING’S 1   THURSDAY 1 - 2:30pm
Adoption of Assistive Technologies for Aged Care: A Realist Review of Recent Studies
Suchada Vichitvanichphong, Amir Talaei-Khoei, Donald Kerr, Amir Hossein Ghapanchi

Understanding Stakeholder Behavior in Nationwide Electronic Health Infrastructure Implementation
Philipp Kloecker

Finding Value while Planning a Statewide Health Information Exchange
Dana Edberg, Lynn O’Mara, Jeanne Wendel

HC 11- Adoption  KING’S 1   THURSDAY 3 - 4:30pm
A Framework to Improve Coordinated Action toward the Adoption and Implementation of Health Information Exchanges
John Pendergrass, C. Ranganahaan

Effects of Online Advertising Strategy on Attitude towards Healthcare Service
Hui-Chih Wang, Her-Sen Doong

Telepathology Implementation Challenges and Benefits: A Scoping Review
Julien Meyer, Guy Paré

IT Architectures and Applications in Healthcare Environments
Co-Chairs: Radmila Juric, Jasna Kuljis, and Patricia Oberndorf

HC 12 - Architectures  KING’S 2   TUESDAY 4 - 5:30pm
A Business Process Management Approach to Perioperative Supplies/Instrument Inventory and Workflow
Jim Ryan, Carmen Lewis, Barbara Doster, Sandra Daily

ASeCS: Assistive Self-Care Software Architectures for Delivering Services in Care Homes
Reza Shojanoori, Radmila Juric, Mahi Lohi, Gabor Terstyanszky

Analyzing and Modeling Medical Data on Distributed Computing Infrastructures
Gabor Terstyanszky, Tamas Kiss, Vladimir Korthov, Silvia D. Dlabarnaga

A Pervasive Mobile Assistance System for Health and Fitness Scenarios
Andreas Emrich, Alexandra Theobalt, Frederik Leonhardt, Sonke Knoch, Dirk Werth, Peter Loos

HC 13 - Architectures  KING’S 2   WEDNESDAY 8 - 9:30am
Factors of Access Control Management in Electronic Healthcare: The Patients’ Perspective
Thomas Trojer, Basel Katt, Tülay Özata, Ruth Breu, Patrick Mangesiis, Thomas Schabetsberger

Automating the Integration of Clinical Studies into Medical Ontologies
Mark Roantree, Jim O Donoghue, Noel O Kelly, Martin van Bokel, Sebastian Koehler

Bridging Electronic Health Record Access to the Cloud
Brian Coats, Subrata Acharya

A Neuro-fuzzy Approach to Bad Debt Recovery in Healthcare
Donghui Shi, Jozef Zurada, Jian Guan

Best Paper Nomination

47th Hawaii International Conference on System Sciences
HC 14 - Architectures  KING’S 2       WEDNESDAY 10 - 11:30am

Decision Support for Evaluating Impacts of Mental Disorders on Work Ability
Juha Kemppinen, Jukka Korpela, Kalle Elfvengren, Timo Salmisaari, Jussi Polkko

A Guiding Framework for Ontology Reuse in the Biomedical Domain
Tejal Shah, Fethi Rabhi, Pradeep Ray, Kerry Taylor

► A Smartphone-based System for Population-scale Anonymized Public Health Data Collection and Intervention
Andrew Clarke, Robert Steele

Sensing and Pervasive Technologies and Applications for Healthcare
Co-Chairs: Freimut Bodendorf, Nilmini Wickramasinghe, and Carolin Durst

HC 15 - Sensing  KING’S 2       THURSDAY 10 - 11:30am

Tackling Complexity in E-Health with Actor-Network Theory
Indrit Troshani, Nilmini Wickramasinghe

A Scalable Services Framework for Modeling Service Exchange Networks
Hossein Seif Zadeh, Ivan Gavanovich, Don Lowe

Using Self-Regulation Theory to Inform Technology-Based Behavior Change Interventions
Amr Soror, Fred Davis

Information Security and Privacy of Patient-Centered Health IT Services: What Needs to be Done?
Tobias Dehling, Ali Sunyaev

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

Customer Engagement and Webflow User Experience
Co-Chairs: Petri Parvinen, Maurits Kaptein, and Harri Oinas-Kukkonen

IN 1 - Customer  KING’S 2       THURSDAY 1 - 2:30pm

Exploring the Effects of Information Processing Perceptions on Consumers’ Website Advice Continuance Intention
Hui-Chih Wang, Her-Sen Doong

Does Gamification Work? - A Literature Review of Empirical Studies on Gamification
Juho Hamari, Jonna Koivisto, Harri Sarsa

Practical Findings from Applying Innovative Design Usability Evaluation Technologies for Mockups of Web Applications
Luis Rivero, Marcos Kalinowski, Tayana Conte

IN 2 - Customer  KING’S 2       THURSDAY 3 - 4:30pm

► Designing Flow Experience on the Web: A Grounded Theory of Online Shopping Flow
Rolf Mahnke

Flow or No Flow? A Qualitative Study of Health Behavior Change Support System
Pasi Karppinen, Tuomas Alahavala Terhi Jokelainen, Anna-Maria Keranen, Tuire Salonurmi, Harri Oinas-Kukkonen

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

IN 3 - Electronic  KING’S 3       TUESDAY 2 - 3:30pm

Paid Search: Modeling Rank Dependent Behavior
Chris Anderson, Ming Cheng

Running and Chasing - The Competition between Paid Search Marketing and Search Engine Optimization
Kai Li, Mei Lin, Zhangxi Lin, Bo Xing

IN 4 - Electronic  KING’S 3       TUESDAY 4 - 5:30pm

Customer Loyalty to C2C Online Shopping Platforms: An Exploration of the Role of Customer Engagement
Christy Cheung, Xiabing Zheng, Matthew Lee

Real-Time Adaptation of Influence Strategies in Online Selling
Maurits Kaptein, Petri Parvinen

► Effects of Attribute Framing Varying with the Elaboration in Online Shopping: An Eye-Tracking Approach
Shu-Fei Yang, Hsin-Hui Lin

► Best Paper Nomination

47th Hawaii International Conference on System Sciences
Why Aren’t the Stars Aligned? An Analysis of Online Review Content and Star Ratings
Susan Mudambi, David Schuff, Zhewei Zhang

Understanding Competition using Big Consumer Search Data
Daniel M. Ringel, Bernd Skiera

The Happiness Premium: The Impact of Emotion on Individuals’ Willingness to Pay in Online Auctions
Lingyao Yuan, Alan Dennis

Digital and Social Media in Pro Sports: Analysis of the 2013 EUFA Top Four
Marlen Jurisch, Helmut Krcmar, Hans (Jochen) Scholl, Kai Wang, Yvan Wang, Grant Woods, Donghe Xu, Yaxing Yao

IN 6 - Electronic KING’S 3 WEDNESDAY 2 - 3:30pm
Special Session – Consumer Generated Content and Intellectual Property – Rethinking Strategies when the Customer Creates the Value
Session Chair: Leyland Pitt
Speakers: Hope Schau, Ian McCarthy, Jeremy de Beer, Jan Kietzmann

Innovation and the Digital Economy
Co-Chairs: Christophe Vetterli and Walter Brenner

IN 7 - Innovation KING’S 3 WEDNESDAY 4 - 5:30pm
Innovate on Purpose - Factors Contributing to Innovation in IT Outsourcing
Anna-Luise Boehm, Bjoern Michalik, Nikolaus Schmidt, Dirk Basten

Optimal Recommendation and Long-tail Provision Strategies for Content Monetization
Ting-Kai Hwang, Yung-ming Li

Strategic Capabilities of Mass Customization Based E-Commerce: Construct Development & Empirical Test
Frank Piller, Thorsten Harzer, Christoph Ihl, Fabrizio Salvador

Innovative Behavioral IS Security and Privacy Research
Co-Chairs: Merrill Warkentin, Allen C. Johnston, and Anthony Vance

IN 8 - Security KING’S 3 THURSDAY 8 - 9:30am
Location Based Services and Information Privacy Concerns among Literate and Semi-Literate Users
Adrian Tan, Wen Yong Chua, Klarissa Chang

Rethinking the Information Security Risk Practices: A Critical Social Theory Perspective
Devinder Thapa, Dan Hames

Short-Time Non-Work-Related Computing and Creative Performance
Jungwon Kuem, Mikko Siponen

The Effect of Providing Visualizations in Privacy Policies on Trust in Data Privacy and Security
Jorg Becker, Marcel Hedder, Ayten Oksuz, Ralf Knackstedt

IN 9 - Security KING’S 3 THURSDAY 10 - 11:30am
A Longitudinal Study of Information Privacy on Mobile Devices
Mark Keith, Jeffry Babb, Paul Benjamin Lowry

► Why Individuals Commit Information Security Violations: Neural Correlates of Decision Processes and Self-Control
Qing Hu, Robert West, Laura Smarandescu, Zachary Yaple

A Longitudinal Study to Determine Non-Technical Deterrence Effects of Severity and Communication of Internet Use Policy for Reducing Employee Internet Abuse
Morgan Shepherd, Roberto Mejias, Gary Klein

IN 10 - Security King’s 3 THURSDAY 1 - 2:30pm
Factors Affecting Perceptions of Privacy Breach among Smartphone Application Users
Stanislav Mamonov, Raquel Benbunan-Fich

Improving Compliance with Password Guidelines: How User Perceptions of Passwords and Security Threats Affect Compliance with Guidelines
Florence Mwagwabi, Tanya McGill, Michael Dixon

Assessing Sunk Cost Effect on Employees’ Intentions to Violate Information Security Policies in Organizations
Miranda Kajtazi, Burcu Bulgurcu, Hasan Cavusoglu, Izak Benbasat

Open Movements: FLOSS, Open Contents, Open Access and Open Communities
Co-Chairs: Wolfgang Bein, Clinton Jeffery, and Vandana Singh

IN 11 - Floss KING’S 3 WEDNESDAY 8 - 9:30am
Forge++: The Changing Landscape of FLOSS Development
Megan Squire

► Paid vs. Volunteer Work in Open Source
Dirk Riehle, Philipp Riemer, Carsten Kolassa, Michael Schmidt

It’s Not Only about Writing Code: An Investigation of the Notion of Citizenship Behaviors in the Context of Free/Libre/ Open Source Software Communities
Kevin Daniel André Carillo, Sid Huff, Brenda Chawner
**The Diffusions, Impacts, Adoption and Usage of ICTs upon Society**
Co-Chairs: Jyoti Choudrie, Sherah Kurnia, and Fernando Beltrán

**IN 12 - Diffusions**
**KING’S 3**
**TUESDAY 8 - 9:30am**

Multi-casting in Mountainous Regions of Developing Countries: Analysis through ICT, Institutions, and Capabilities Perspectives
Julian Bass, Devinder Thapa

Diffusion and Acceptance of Cloud Computing in SMEs: Towards a Valence Model of Relevant Factors
Mark Stieninger, Dietmar Nedbal

How Uncertainty Avoidance Affects Innovation Resistance in Mobile Banking? The Moderating Role of Age and Gender
Tommi Laukkanen

**IN 13 - Diffusions**
**KING’S 3**
**TUESDAY 10 - 11:30am**

Information Technology Availability and Use in the United States: A Multivariate and Geospatial Analysis by State
James Pick, Avijit Sarkar, Jeremy Johnson

Tactile Experiences: User Interpretations and Meaning with Tablets
Efpraxia D. Zamani, George M. Giaglis, Athanasia Pouloudi

Triggering Intention to Use to Actual Use - Empirical Evidence from Self-Service Checkout (SCO) Systems
Esko Penttinen, Tapani Rinta-Kahila, Mikko Ronkko, Timo Saarinen

An Application of UTAUT2 on Social Recommender Systems: Incorporating Social Information for Performance Expectancy
Oliver Oechslein, Marvin Fleischmann, Thomas Hess

**KNOWLEDGE SYSTEMS TRACK**
Co-Chairs: Murray Jennex and David Croasdell

**KS 1 - Indigenous**
**KOHALA 2**
**TUESDAY 8 - 9:30am**

Indigenous Knowledge Sharing in Sarawak: a System-level View and its Implications for the Cultural Heritage Sector
Rashidah Bolhassan, Jocelyn Cranefield, Dan Dorn

Deaf Culture and Sign Language Writing System - A Database for a New Approach to Writing System Recognition Technology
Cayley Guimaraes, Jefferson Gardezi, Luiz Oliveira, Sueli Fernandes

Cultural Identity Restoration and Purposive Website Design: A Hermeneutic Study of the Chickasaw and Klamath Tribes
Amber Young, Shaila Miranda

**KS 2 - Designing**
**QUEEN’S 4**
**THURSDAY 8 - 9:30am**

Quality Measures for Documentation of Best Practices
Meshari Alwaze, Erik Perjons, Harald Kjellin

Formal Aspects of Enterprise Modeling Methods: A Comparison Framework
Domenik Bork, Hans-Georg Fill

Conceptual Modeling for Mobile Maintenance: The ComVantage Case
Robert Andrei Buchmann

**KM and Security**
Co-Chairs: Alexandra Durcikova and Murray Jennex

**KS 3 - Security**
**KOHALA 2**
**WEDNESDAY 4 - 5:30pm**

Genre-Based Assessment of Information and Knowledge Security Risks
Ali Mohammad Padyab, Tero Päivärinta, Dan Harnesk

Designing Effective Knowledge Transfer Practices to Improve IS Security Awareness and Compliance
Tonia Sannicolas-Rocca, Benjamin Schooley, Janine Spears

Integrating IS Security with Knowledge Management: Are We Doing Enough To Thwart The Persistent Threat?
Murray Jennex, Alexandra Durcikova

**Best Paper Nomination**

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47th Hawaii International Conference on System Sciences
Knowledge Economics  
Co-Chairs: Carsten Brockmann and Narcyz Roztocki

KS 4 - Economics  QUEEN’S 4  THURSDAY 10 - 11:30am

The Evolution of Knowledge Economics through the Course of Time - An Analysis of the Hawaii International Conference System Sciences Minitrack  
Carsten Brockmann, Narcyz Roztocki

The Contours of Crowd Capability  
John Prpic, Prashant Shukla

Visualisation of Knowledge Mapping for Information Systems Evaluation: A Manufacturing Context  
Amir Sharif, Muhammad Kamal, Zahir Irani

Knowledge Flows, Transfer, Sharing and Exchange  
Co-Chairs: K.D. Joshi, Mark Nissen, and Lynne Cooper

KS 5 - Knowledge Flows  KOHALA 2 WEDNESDAY 10 - 11:30am

Within-Team Variation of Shared Knowledge Structures: A Business Performance Study  
Ronald Freeze, Pamela J. Schmidt

Individuals’ Interaction with Organizational Knowledge under Innovative and Affective Team Climates: A Multilevel Approach to Knowledge Adoption and Transformation  
Jinyoung Min, Junyeong Lee, Sunghan Ryu, Heeseok Lee

A Social Capital Perspective to Understand Individual Contribution of Social Support in Healthcare Virtual Support Communities  
Kuang-Yuan Huang, InduShobha Chengalur-Smith

Creation of Need Knowledge in Organizations: An Abductive Framework  
Alexander Kaiser, Birgit Fordinal, Florian Kragulj

KS 6 - Knowledge Flows  KOHALA 2 WEDNESDAY 2 - 3:30pm

Error Occurrence: Successful versus Unsuccessful Unlearning in Individuals  
Julee Hafner, Timothy Ellis, William Hafner

Information Quality: The Importance of Context and Trade-Offs  
Anna L. McNab, Darin Ladd

Sustainable Value and Generativity in the Ecological Metadata Language (EML) Platform: Toward New Knowledge and Investigations  
Ben Li

Towards a Knowledge-based Framework for Enterprise Content Management  
Thang Le Dinh, Tim Rickenberg, Hans-Georg Fill, Michael H. Breitner

Knowledge Management for Innovation, Agility and Complexity Management  
Co-Chairs: Suzanne Zyngier, Danny Samson, and Marianne Gloet

KS 7 - Innovation  KOHALA 2  TUESDAY 10 - 11:30am

Transforming Practice Using Theoretical Framing to Improve Organizational Processes (moved from From Information Systems to Knowledge Systems: Issues in Knowledge and Systems Research)  
Jordan Eschler, Shrikant Palkar, Hazel Taylor

Organizational Ambidexterity Building via Strategic Learning and Business Learning  
Yan Mengling, Yu Angela Yan, Dong Xiaoying

KS8 - Innovation  KOHALA 2  TUESDAY 2 - 3:30pm

A Framework for Positioning and Assessing Innovation Capability from an Organizational Perspective  
Lilibeth Rodriguez, Jessica Diaz, Juan Garbajosa, Jennifer Pérez, Agustin Yagüe

Things to Maintain or Change: The Importance of Critical Territory in Post-Acquisition Integration Boundary Issues  
Dongcheol Heo, Heeseok Lee

Managing Knowledge and Innovation for Performance  
Marianne Gloet, Daniel Samson

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

KS 9 - KM Value  KOHALA 2  TUESDAY 4 - 5:30pm

The Relationship between KM Strategies and IT Applications in SMEs  
Naief Azyabi, Julie Fisher, Kerry Tanner, Shijia Gao

Enhancing the Motivation, Opportunity, and Ability of Knowledge Workers to Participate in Knowledge Exchange  
Kelly Fadel, Alexandra Durcikova

Shedding Light on the Impact Dimension of Information Systems Success: A Synthesis of the Literature  
Andrea Herbst, Nils Urbach, Jan vom Brocke

KS 10 - KM Value  KOHALA 2  WEDNESDAY 8 - 9:30am

Tracking the Flow of Knowledge in IT Organizations; The Impact of Organizational Learning Factors and Project Learning Practices on Project Success  
Donald McKay, Timothy Ellis

Profile in Leadership: Adding Definition to Leadership as a Component of KMS Success  
Vincent Scovetta, Timothy Ellis

Knowledge Management Success in Practice  
Murray Jennex, Stefan Smolnik, Dave Croasdell

Best Paper Nomination

47th Hawaii International Conference on System Sciences
ORGANIZATIONAL SYSTEMS AND TECHNOLOGY TRACK
Chair: Hugh Watson

Advances in Design Research for Information Systems
Co-Chairs: Joseph Walls, George Widmeyer, and Omar El Sawy

OS 1 - Advances KOHALA 2 THURSDAY 8 - 9:30am

► Logic for Accumulation of Design Science Research Theory
   Jan Holmström, Tuure Tuunanen, Jouni Kauremaa

Using Entropy's Justificatory Knowledge for a Business Process Design Theory
   Peter De Bruyn, Philip Huysmans, Gilles Oorts, Herwig Mannaert, Jan Verelst

Towards a Design Theory for Trustworthy Information Systems
   Les Waghuespack, David Yates, William Schiano

OS 2 - Advances KOHALA 2 THURSDAY 10 - 11:30am

Activity-Based Costing as a Design Science Artifact
   Philip Huysmans, Peter De Bruyn

Introducing a Game Approach towards IS Requirements Specification
   Mika Yasuoka, Kyochi Kadoya, Takashi Niwa

A Prototype for Information-Dense IT Project Risk Reporting: An Action Design Research Approach
   Martina Beer, Marco C. Meier, Benjamin Mosig, Florian Probst

An Information System Design Product Theory for the Abstract Class of Integrated Requirements Delivery and Management Systems
   Tikun Lu, Timo Kääkölä
   (moved from ST-eSourcing)

Business Analytics, Business Intelligence and Big Data
Co-Chairs: Olivera Marjanovic, Thilini Ariyachandra, and Barbara Dinter

OS 3 - Analytics KOHALA 2 THURSDAY 1 - 2:30pm

Think Big with Big Data: Identifying Suitable Big Data Strategies in Corporate Environments
   Katharina Ebner, Thilo Buhnen, Nils Urbach

Structuring Collaborative Business Intelligence: A Literature Review
   Jens Kaufmann, Peter Chamoni

User Acceptance of Business Intelligence (BI) Application: Technology, Individual Difference, Social Influence, and Situational Constraints
   Tom E. Yoon, Biswadip Ghosh, Bong Keun Jeong

► Social Media Analytics and Business Value: A Theoretical Framework and Case Study
   Nargiza Bekmamedova, Graeme Shanks

Business and Enterprise Architecture: Processes, Approaches and Challenges
Co-Chairs: Frank Armour and Steve Kaisler

OS 4 - Enterprise KOHALA 3 THURSDAY 8 - 9:30am

Enterprise Architecture Practice and Organizational Agility; An Exploratory Study
   Terje Fallmyr, Bendik Bygstad

EVOLIS Framework: a Method to Study Information Systems Evolution Records
   Alexandre Metrailler, Thibault Estier

Green Business Process Management - A Definition and Research Framework
   Nicky Opitz, Henning Krup, Lutz M. Kolbe

OS 5 - Enterprise KOHALA 3 THURSDAY 10 - 11:30am

Business Process Modelling Language for Performance Evaluation
   Azeem Lodhi, Veit Köppen, Stefan Wind, Gunter Saake, Klaus Turowski

Optimizing the Performance of Automated Business Processes Executed on Virtualized Infrastructure
   Christian Janiesch, Ingo Weber, Jorn Kuhlenkamp, Michael Menzel

Toward a Functional Reference Model for Business Rules Management
   Simon Schlosser, Ehsan Baghi, Boris Otto, Hubert Oesterle

OS 6 - Enterprise KOHALA 3 THURSDAY 1 - 2:30pm

Toward a Decision Model for Master Data Application Architecture
   Ehsan Baghi, Simon Schlosser, Verena Ebner, Boris Otto, Hubert Oesterle

► Visualizing and Measuring Enterprise Application Architecture: An Exploratory Telecom Case
   Robert Lagerstrom, Carliss Baldwin, Alan MacCormack, Stephan Åier

Dynamics of Cloud-based Software as a Service in Small Communities of Complex Organizations
   Jenny Leonard

► Best Paper Nomination
Business Process Intelligence
Co-Chairs: Harry Jiannan Wang, Amit V. Deokar, and Surendra Sarnikar

OS 7 - Intelligence  KOHALA 3  WEDNESDAY 2 - 3:30pm
A Case Study on Analyzing Inter-organizational Business Processes from EDI Messages using Physical Activity Mining
Robert Engel, R.P. Jagadeesh Chandra Bose

Challenges of Social Business Process Management
Nicolas Pflanzl, Gottfried Vossen

Development of an Intelligent Maturity Model-Tool for Business Process Management
Nico Krivograd, Peter Fettke, Peter Loos

OS 8 - Intelligence  KOHALA 3  WEDNESDAY 4 - 5:30pm
Improving Structure: Logical Sequencing of Mined Process Models
Michael Werner, Markus Nuettgens

Mining Knowledge Sharing Processes in Online Discussion Forums
Gang Alan Wang, Harry Wang, Jiexun Li, Weiguo Fan

Digital Technologies & Organizational Innovation
Co-Chairs: Nicholas Berente, Kalle Lytinen, and Youngjin Yoo

OS 9 - Digital  KOHALA 4  TUESDAY 10 - 11:30am
Architectural Characteristics of Digital Services Enabled by Embedded Technology: A Study on the Remote Diagnostics Services
Soumitra Chowdhury, Magnus Bergquist, Maria Åkesson

Business Models of Developer Platforms in the Telecommunications Industry - An Explorative Case Study Analysis
Hannes Kübel, Felix Limbach, Ruediger Zarnekow

IT Capability Configurations for Innovation: An Empirical Study of Industrial SMEs
Louis Raymond, Sylvestre Uwizeyemungu, Bruno Fabi, Josée St-Pierre

OS 10 - Digital  KOHALA 4  TUESDAY 2 - 3:30pm
Computer Aided Business Model Design: Analysis of Key Features Adopted by Users
Boris Fritscher, Yves Pigneur

Succeeding with Building Information Modeling: A Case Study of BIM Diffusion in a Healthcare Construction Project
Christoph Merschbrock, Bjørn Erik Munkvold

Structural and Behavioral Fit in Software Sourcing Alignment
Marko Nöhren, Armin Heinzl, Thomas Kude

OS 11 - Emerging  KOHALA 4  WEDNESDAY 10 - 11:30am
Why IS After All? An Explorative Analysis of Professionals’ Letters of Study Motivation
Steffen Illig, Sven Løhmer, Christian Maier, Tim Weitzel

What Do We Know About FLOSS Developers’ Attraction, Retention, and Commitment? A Literature Review
Andreas Schilling

OS 12 - Emerging  KOHALA 4  WEDNESDAY 2 - 3:30pm
Toward an Understanding of Job Satisfaction on Agile Teams: Agile Development as Work Redesign
John Tripp, Cynthia Riemenschneider

The Role of Voice in Retention of IT Workers: Paving the Higher Road
Andrea Hester, Jo Ellen Moore, Susan Yager

Enterprise System Integration: Issues and Answers
Co-Chairs: Marinos Themistocleous, Gail Corbitt, and Paulo Rupino da Cunha

OS 13 - Integration  KOHALA 3  THURSDAY 3 - 4:30pm
The Impact Mechanism of Organizational Culture on ERP Assimilation: a Multi-case Study
Yuanyuan Guo, Yuqiang Feng, Chaoyou Wang

Strategic Alignment of Enterprise Systems and Business Strategies under Systems and Bivariate Approaches
Nazım Taskin, Jacques Verville, Tayfun Keskin

Coping with Requirements Uncertainty - A Case Study of an Enterprise-wide Record Management System
Bjoern Michalik, Marcus Keutel, Werner Mellis

Information Economics, Competition, Regulation, Law, and Society
Co-Chairs: Eric Clemons, Rob Kauffman, and Tom Weber

OS 14 - Economics  KOHALA 4  WEDNESDAY 4 - 5:30pm
How Can Substitution and Complementarity Effects be Leveraged for Broadband Internet Services Strategy?
Gwangjae Jung, Youngsoo Kim, Robert Kauffman

How Should Carriage Disputes in Digital Media Be Addressed?
Frank MacCrory, Shivendu Shivendu

Best Paper Nomination
Internet as Celestial TiVo: What Can We Learn from Cable TV Adoption?  (Presentation Only)
Stan Liebowitz, Alejandro Zentner

OS 15 - Economics  KOHALA 4  THURSDAY 8 - 9:30am
The Role of Disseminative Capacity in HIT Adoption: An Empirical Analysis
Debabrata Dey, Atanu Lahiri, Gang Peng

Elimination by Aspects in Electronic Commerce - Evidence from Online Marketplace and Implications for Empirical Model Specification
Mohan Wang, Bin Gu, Qiang Ye

IT Investments and Firm Stock Market Value: The Mediating Role of Stock Analysts
Xueming Luo, Bin Gu, Cheng Zhang

OS 16 - Economics  KOHALA 4  THURSDAY 10 - 11:30am
Evaluating Electronic Market Designs: The Effects of Competitive Arousal and Social Facilitation on Electronic Group Buying
Yuecheng YU, Karl Reiner Lang, Alexander Pelaez

News Processing during Speculative Bubbles: Evidence from the Oil Market
Stefan Feuerriegel, Max W. Lampe, Dirk Neumann

Product versus Non-product Oriented Social Media Platforms: Online Consumer Opinion Composition and Evolution
Jianxiong Huang, Walfong Both, Kim Huat Goh

OS 17 - Economics  KOHALA 4  THURSDAY 1 - 2:30pm
Collaborative Housing and the Intermediation of Moral Hazard
Thomas Weber

Incentive Issues and Solution Mechanisms for Knowledge Transfer with Enterprise 2.0 Technologies: A Game-theoretic Approach
Xianjun Geng, Lihui Lin, Andrew Whinston

Investigations into Consumers Preferences Concerning Privacy: An Initial Step Towards the Development of Modern and Consistent Privacy Protections Around the Globe
Eric Clemons, Josh Wilson, Steve Barnett, Fujie Jin

Information and Information Systems in Crisis Response
Co-Chairs: Dorothy E. Leidner, Anouck Adrot, and Eric W. T. Ngai

OS 18 - Crisis  KING’S 1  WEDNESDAY 8 - 9:30am
Designing an Optimized Alert System Based on Geospatial Location Data
Kimberly Zeitz, Randy Marchany, Joseph Tront

Semantic Representations of Actors and Resource Allocation through Reasoning in Humanitarian Crises
Aladdin Shamoug, Radmila Juric, Shamimabi Paurogally

Information Issues in Supply Chain and in Service System Design
Co-Chairs: Abraham Seidmann, Yabing Jiang, and Jie Zhang

OS 19 - Supply  KING’S 1  TUESDAY 2 - 3:30pm
Teleophthalmology for Diabetic Patients: Saving Vision through IT
Balaraman Rajan, Avi Seidmann, Rajeev Ramchandran

Quantitative Case Study: Use of Pharmacy Patient Information Systems to Improve Operational Efficiency
Gregory Dobon, David Tilson, Vera Tilson, Curtis E. Haas

Greening the Service Selection in Cloud Computing: the Case of Federated ERP solutions
Holger Schrodl, Paulina Simkin

IT Outsourcing: An IS Perspective
Stefan Bensch, Ralph-Josef Andris, Christian Gahm, Axel Tuma

OS 20 - Supply  KING’S 1  TUESDAY 4 - 5:30pm
Do Competitive Environments have an Effect on Managerial Decision Making? An Empirical Investigation of the Newsvendor Problem
Tong Wu, Abraham Seidmann

From Bits to Atoms: 3D Printing in the Context of Supply Chain Strategies
Henrik Nyman, Peter Sarlin

Relational Capital and Performance: Assessing the Mediating Role of Supply Chain Agility and the Moderating Role of Environmental Contexts
Zhao Cai, Hefu Liu, Qian Huang, Liang Linag, Xiao-Liang Shen

Information Technology for Development
Co-Chairs: Mehruz Kamal, Sajda Qureshi, and James Pick

OS 21 - Development  KOHALA 4  TUESDAY 8 - 9:30am
Aligning IT Capabilities with the Information Requirements of International SMEs: Information Processing Theory Revisited
Vincent Dutot, Francois Bergeron, Louis Raymond

Steering Institutionalization Through Institutional Work: The Case of an eProcurement System in Indonesian Local Government
Fathul Wahid, Maung Sein

Achieving Development Outcomes through Technology Interventions in a Nonprofit Organization
Mehruz Kamal

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

OS 22 - Management  KOHALA 3  TUESDAY 8 - 9:30am
Rethinking Communication in IT Project Management
Judy McKay, Peter Marshall, Nick Grainger

▶ Explaining Emergence and Consequences of Specific Formal Controls in IS Outsourcing - A Process-View
Thomas Huber, Thomas Fischer, Laurie Kirsch, Jens Dibbern

Risk Management in Video Game Development Projects
Marc Schmalz, Aimee Finn, Hazel Taylor

OS 23 - Management  KOHALA 3  TUESDAY 10 - 11:30am
Is a Challenged Project One of the Final Outcomes for an IT Project?
Umar Altahtooh, Margaret Emsley

Reducing I.T. Project Management Failures: Early Empirical Results
Gezinus Hidding, John Nicholas

Exploring the Constituents of Benefits Management: Identifying Factors Necessary for the Successful Realization of Value of Information Technology Investments
Kunal Mohan, Frederik Ahlemann, Jessica Braun

Organizational and Social Dynamics in Information Technology
Chair: Wim Van Grembergen

OS 24 - Governance  KOHALA 3  TUESDAY 2 - 3:30pm
▶ Does Inclusion of CIO in the Top Management Team Impact Firm Performance? Evidence from a Long-Term Event Analysis
Qing Hu, Ali Alper Yayla, Yu Lei

Middle Management and Information Systems Strategy: the Role of Awareness and Involvement
Dorothy Leidner, Michael Milovich

IT Governance Patterns in the Portuguese Financial Industry
Ruben Pereira, Rafael Almeida, Miguel Mira da Silva

OS 25 - Governance  KOHALA 3  TUESDAY 4 - 5:30pm
The Board and CIO: The IT Alignment Challenge
Jacques Coerzte, Rossouw von Solms

A Nomological Network Analysis of Research on Information Security Management Systems
Fernando Parra, Laura Hall

Evolution of Business-IT Alignment over Time: A Situated Change Perspective
Heinz-Theo Wagner

Organizational and Social Dynamics
Co-Chairs: Michael Knight, Dawn Medlin, and Dragos Vieru

OS 26 - Governance  KOHALA 3  WEDNESDAY 8 - 9:30am
Towards an Application Life-Cycle Approach for Selective Outsourcing
Saskia Zelt, Alexander Andreas Neff, Jochen Wulf, Falk Uebernickel, Walter Brenner

IT Governance Effectiveness and its Antecedents: an Empirical Examination in Brazilian Firms
Guilherme Lunardi, Antonio Carlos Macada, Joao Luiz Becker

On the Relevance of the Modularity Concept for Understanding Outsourcing Risk Factors
Philip Huysmans, Peter De Bruyn, Shahzada Benazer, Alain De Beuckelaer, Steven De Haes, Jan Verelst

OS 27 - Governance  KOHALA 3  WEDNESDAY 10 - 11:30am
E-Business IT Governance Revisited: An Attempt Towards Outlining a Novel Bi-directional Business/IT Alignment in COBIT5
Yannick D. Bartens, Frederik Schulte, Stefan Voss

On the Need for Evolvability Assessment in Value Management
Kim Maes, Peter De Bruyn, Gilles Oorts, Philip Huysmans

The Influence of Culture on IT Governance: A Literature Review
Parisa Aasi, Lazar Rusu, Shengnan Han

OS 28 - Dynamics  KOHALA 4  TUESDAY 4 - 5:30pm
When Too Much Usage Is Too Much: Exploring the Process of IT Addiction
Isaac Vaghefi, Liette Lapointe

▶ Managing the Achievement of Strategic Organizational Goals through Projects: Understanding the Role of Management Practices
Kunal Mohan, Frederik Ahlemann

Accelerating Economic Inequality and the Moral Responsibilities of Corporate-Employed Technologists
Alan Singer

OS 29 - Dynamics  KOHALA 4  WEDNESDAY 8 - 9:30am
Young People and Smart Phones: An Empirical Study on Information Security
Balbir Barn, Ravinder Barn, Jo-Pei Tan

A Nexus Analysis of Participation in Building an Information Infrastructure for the 'Future School'
Eija Halkola, Netta livari, Marianne Kinnula, Leena Kuure, Tonja Molin-Juustila

▶ Best Paper Nomination
How Coaligned Stakeholder Support Enhances End User’s Perceived ERP Performance? The Pivotal Role of ERP Identity
Chi-Feng Tai, Kai Wang, Hsin-Iu Chang

Tensions, Emergence, and Generative Mechanisms in Complex Sociotechnical Systems
Co-Chairs: Sirkka Jarvenpaa and Holly Lanham

OS 30 - Tensions KONA 2 TUESDAY 10 - 11:30am

Reimagining the Higher Education Experience as a Socially-Enabled Complex Adaptive System
Munir Mandviwalla, David Schuff

Theorizing Modes of Open Source Software Development
Aron Lindberg, Xuan Xiao, Kalle Lytyinen

Solving the Puzzle of Crowdfunding: Where Technology Affordances and Institutional Entrepreneurship Collide
Claire Ingram, Robin Teigland, Emmanuelle Vaast

OS 31 - Tensions KONA 2 TUESDAY 2 - 3:30pm

How Did it Happen? A Memetic Theory of Interorganizational Information Systems Emergence and Evolution
Thayanan Phuaphanthong, Tung Bui

Learning at the Boundaries: An Action Agenda for Business Analysts
Rajiv Vashist, Judith McKay, Peter Marshall

Digital Visions vs Product Practices: Understanding Tensions in Incumbent Manufacturing Firms
Asif Akram, Magnus Bergquist, Maria Akesson

Trust in Network Organizations - A Literature Review on Emergent and Evolving Behavior in Network Organizations
Marcel Morisse, Bettina Horlach, Wiebke Kappenberg, Jurate Petrikina, Florian Robel, Florian Steffens

OS 32 - Theories KONA 2 TUESDAY 4 - 5:30pm

Theory Identity: Machine-Learning Approach
Kai Larsen, Dirk S. Hovorka, Jevin West, James Birt, James R. Pfaff, Trevor W. Chambers, Zebula R. Sampedro, Nick Zager, Bruce Vanstane

Applications of the Viable Systems Model in IS Research - A Comprehensive Overview and Analysis
Janek Richter, Dirk Basten

Crafting Theory to Satisfy the Requirements of Explanation
Allen Lee, Robert (Bob) Briggs, Alan Dennis

OS 33 - Theories KONA 2 WEDNESDAY 8 - 9:30am

Arash Saghaﬁ, Yair Wand

Identifying IT User Mindsets: Acceptance, Resistance and Ambivalence
Liette Lapointe, Anne Beaudry

The Intellectual Core of the IS Field: A Systematic Exploration of Theories in Our Top Journals
Daniel Soper, Ofir Turel, Nitzia Geri

OS 34 - Topics KONA 2 WEDNESDAY 10 - 11:30am

Does IT Reputation Matter? Role of Senior Executives
Jee-Hae Lim, Theophanis Stratopoulos, Tony Wirjanto

One Country, Three Types of CIOs: The Emergence of Technology Executives in China
Mark Chun, Kai Sung, Charla Grifﬁ-Brown, Harvey Koeppel

Paving the Way to a Productive RFID System: A Novel Action Research Based Study from Fashion Retail
Thomas Buckel, Frederic Thiesse

OS 35 - Topics KONA 2 WEDNESDAY 2 - 3:30pm

Perceptual Differences and Conflict in Packaged Software Acquisition: Results from a Multi-perspective Framing Analysis
Stefan Harnisch, Jasmin Kaiser, Peter Buxmann

Paul Glowalla, Patryk Balazy, Dirk Basten, Ali Sunyaev

Antecedents of IT Outsourcing - A Longitudinal Approach
Ralph Pfaller, Marina Fiedler, Arnold Picot, Anja Tusche

Best Paper Nomination
SOFTWARE TECHNOLOGY TRACK
Co-Chairs: Gul Agha and Rick Kazman

Agile and Lean Organizations: Management, Metrics and Products
Chair: Dan Greening

ST 1 - AgileMgmt  KONA 2  WEDNESDAY 4 - 5:30pm

guiding Flexibility Investment in Agile Architecting
Carlos Fernandez-Sanchez, Jessica Diaz, Jennifer Perez, Juan Garbajosa

ST 4 - AgileLean  KONA 2  THURSDAY 3 - 4:30pm

Exploring the Relationship Between Organizational Adoption Motives and the Tailoring of Agile Methods
John Tripp, Deborah J. Armstrong

Coordination in Large-Scale Agile Software Development:
A Multiteam Systems Perspective
Alexander Scheerer, Tobias Hildenbrand, Thomas Kude

Towards the Model Driven Organization
Tony Clark, Vinay Kulkami, Balbir Barn, Robert France,
Ulrich Frank, an Turk

Dual Application Model for Agile Software Engineering
Ashley Atkén

Digital Forensics – Education, Research, and Practice
Co-Chairs: Kara Nance and Matt Bishop

ST 5 - Digital  KONA 2  TUESDAY 8 - 9:30am

Android Anti-forensics: Modifying CyanogenMod
Karl-Johan Karlsson, William Bradley Glisson

iOS Anti-forensics: How Can We Securely Conceal, Delete and Insert Data?
Christian D’Orazio, Aswami Ariffin, Kim-Kwang Raymond Choo

Teaching Digital Forensics Techniques for Process Identification within Linux Environments
Lucas McDaniel, Brian Hay

Elevated Cybersecurity and Software Assurance
Co-Chairs: Luanne Burns Goldrich, Richard Linger, and Dickie George

ST 6 - CyberSecurity  KONA 3  TUESDAY 10 - 11:30am

Patcher: An Online Service for Detecting, Viewing and Patching Web Application Vulnerabilities
Fang Yu, Yi-Young Tung

Signature Based Intrusion Detection for Zero-Day Attacks: (Not) A Closed Chapter?
Hannes Holm

Evolving Secure Information Systems through Attack Simulation
Elmar Kiesling, Andreas Ekelhart, Bernhard Grill, Christian Stummer, Christine Strauss

A Study of Ten Popular Android Mobile VoIP Applications: Are the Communications Encrypted?
Abdullah Azfar, Kim-Kwang Raymond Choo, Lin Liu

Best Paper Nomination

47th Hawaii International Conference on System Sciences
ST 7 - CyberSecurity  KONA 3  TUESDAY 2 - 3:30pm

REQcollect: Requirements Collection, Project Matching and Technology Transition
Luanne Goldrich, Stephen Hamer, Martha McNeil, Thomas Longstaff, Robert Gatlin, Emmanuel Bello-Oguno

Utilizing Attack Graphs to Measure the Efficacy of Security Frameworks Across Multiple Applications
Francis Manning, Frank Mitropoulos

Towards a Holistic Understanding of Security Process: Formal Controls and Informal Relationships
Max Soyref, Philip Seltsikas

IS Education and Training
Co-Chairs: Dan Port and Gary Kessler

ST 8 - Education  KONA 3  WEDNESDAY 8 - 9:30am

(Un)Bundled Services: A Stakeholders’ Framework for Understanding the Impact of MOOC-like, Third-Party Online Courses
James Melton, Robert Miller, Anil Kumar

A Proposed Curriculum in Cybersecurity Education Targeting Homeland Security Students
Gary Kessler, James Ramsay

ST 9 - Education  KONA 3  WEDNESDAY 10 - 11:30am

Developing Faculty Expertise in Information Assurance through Case Studies and Hands-on Experiences
Xiaohong Yuan, Kenneth Williams, Huiming Yu, Bei-Tseng Chu, Audrey Rorrer, Li Yang, Kathy Winters, Joseph Kizza

Exploring the Feasibility of Conducting Software Training in a Peer Learning Context with the Aid of Student-produced Screencasts
Tai-Yin Chi, Lorne Offman, Frank Lin

Investigating User Acceptance of a Screenshot-Based Interaction System in the Context of Advanced Computer Software Learning
Travis K. Huang

ST 10 - Education  KONA 3  WEDNESDAY 2 - 3:30pm

Teaching Theories Underlying Agile Methods in a Systems Development Course
Adarsh Kumar Kakar

The Hidden Job Requirements for a Software Engineer
Cristina Marinovici, Harold Kirkham, Kevin Glass

Learning and Law Enforcement: How Community Based Teaching Facilitates Improved Information Systems
Kaethe Beck, Scott Beamon, Edward Delp, David Ebert

Secure Cloud Computing
Co-Chairs: Bill Yeager and Jean-Henry Morin

ST 11 - Cloud  KONA 3  WEDNESDAY 4 - 5:30pm

SLA Information Management through Dependency Digraphs: The Case of Cloud Data Services
Katerina Stamou, Verena Kantere, Jean-Henry Morin, Michael Georgiou

A Policy-based Security Framework for Storage and Computation on Enterprise Data in the Cloud
Sourya Joyee De, Asim K. Pal

A Taxonomic Perspective on Certification Schemes: Development of a Taxonomy for Cloud Service Certification Criteria
Stephan Schneider, Jens Lansing, Fangjian Gao, Ali Sunyaev

ST 12 - Cloud  KONA 3  THURSDAY 8 - 9:30am

Cloud Computing Data Protection - A Literature Review and Analysis
Florian Pfarr, Thomas Buckel, Axel Winkelmann

Securing KVM-Based Cloud Systems via Virtualization Introspection
Fang Yu, Sheng-Wei Lee

Analysis of Monolithic and Microkernel Architectures: Towards Secure Hypervisor Design
Jordan Shropshire

Software Product Lines: Engineering, Services, and Management
Co-Chairs: Timo Käkölä and Andrea Leitner

ST 13 - Product Lines  KONA 3  TUESDAY 8 - 9:30am

Analyzing Software Product Innovation Assessment by Using a Systematic Literature Review
Agustin Yague, Juan Garbajosa, Jennifer Perez, Jessica Diaz

Which Factors Affect Software-as-a-Service Selection the Most? A Study from the Customer’s and the Vendor’s Perspective
Ariana Polivy, Nancy Pouloudi, Stamatia Rizou

Introduction to ISO/IEC 2 (Presentation Only)
Timo Käkölä

Software Security for Mobile Platforms
Co-Chairs: Daniel Plakosh and Robert Seacord

ST 14 - Platforms  KONA 2  THURSDAY 10 - 11:30am

Enhancing User Privacy on Android Mobile Devices via Permissions Removal
Quang Do, Ben Martini, Kim-Kwang Raymond Choo

Malware Dynamic Recompilation
Sebastien Josse

Pointer Ownership Model
David Svoboda, Lutz Wrage

Best Paper Nomination
Wireless Networks
Co-Chairs: Edoardo Biagioni, John McEachen, and Murali Tummala

ST 15 - Wireless KONA 3 THURSDAY 10 - 11:30am

Using Simulations to Study the Efficiency of Update Control Protocols
  Bernd Pfitzinger, Tommy Baumann, Dragan Macos, Thomas Jestadt

The Possibility of Wireless Sensor Networks for Industrial Pipe Rack Safety Monitoring
  Jieun Jung, Byunghun Song

Ubiquitous Interpersonal Communication over Ad-Hoc Networks and the Internet
  Edoardo Biagioni

ST 16 - Wireless KONA 3 THURSDAY 1 - 2:30pm

Cell Range Expansion and Time Partitioning for Enhanced Inter-Cell Interference Coordination in Heterogeneous Network
  Sangmi Moon, Saransh Malik, Bora Kim, Hun Choi, Sooman Park, Cheolsung Kim, Intae Hwang

A Scalable Hidden-Markov Model Algorithm for Location Based Services in WiMAX Networks
  John Roth, Murali Tummala, John McEachen, James Scrofani

Vulnerability Analysis of LTE Location Services
  Mark Hofer, John McEachen, Murali Tummala

ST 17 - Wireless KONA 3 THURSDAY 3 - 4:30pm

Totally-Ordered, Reliable Multicast over Cognitive Radio Networks
  Matthew Tolson, Clark Dalton, Mark Silvius, Ethan Hennessey, Curtis Medve, Jared Thompson, Kenneth Hopkinson, Seif Agzhandi

Novel MCS Based Relay Protocols for Throughput Optimization Using AMC in LTE-Advanced System
  Saransh Malik, Sangmi Moon, Bora Kim, Cheolhong Kim, Daejin Kim, Intae Hwang

Optimal Wireless Aerial Sensor Node Positioning for Randomly Deployed Planar Collaborative Beamforming
  Tan Ngo, Murali Tummala, John McEachen

Best Paper Nomination