

COLLABORATION SYSTEMS AND TECHNOLOGY

CL-Advances Session 1 **Wed 8-9:30am** **Grand 3**
An Implementation of User-Experience-Based Evaluation to Achieve
Transparency in the Usage and Design of Information Artifacts

Margit Scholl

Identifying criteria that should be considered when deciding the
proportion of online to face-to-face components of a blended
course

Ali Alammary

A Framework to Inform Design of Learning Objects for Teaching
Written Portuguese (1st language) to Deaf Children via Sign
Language (2nd language)

*Cayley Guimaraes, Moises H. R. Pereira,
Sueli Fernandes*

CL-Advances Session 2 **Wed 10-11:30am** **Grand 3**
Ebook Uses and Class Performance In A College Course

Wei Peng, Rabindra Ratan, Laeeq Khan

The Role of User Resistance in the Adoption of Screenshot
Annotation for Computer Software Learning

Travis K. Huang

Conceptual Model of Online Pedagogical Information Security
Laboratory: Toward an Ensemble Artifact

*Sarfraz Iqbal, Devinder Thapa, Ali Ismail Awad,
Tero Paivarinta*

CL-Advances Session 3 **Wed 2-3:30pm** **Grand 3**
Incorporating Students' Self-Efficacy and Subject Value in the
Evaluation of Audience Response Systems

Margit Kastner

The Role of Information and Communication Technologies in
University Students' Learning Experience: The Instructors' Per-
spective

*Anne-Marie Croteau, Vivek Venkatesh, Anne Beaudry,
Jihan Rabah*

An E-Learning Investigation into Learning Style Adaptivity

*Mohammad Alshammari, Rachid Anane,
Robert J. Hendley*

CL-Advances Session 4 **Wed 4-5:30pm** **Grand 3**
Collaboration and e-collaboration: A study of factors that influence
perceived students' group performance

Liana Razmerita, Kathrin Kirchner

Developing and Evaluating an Accessible Cyberteaching Training
(ACT) Program for Faculty via a Virtual Center for Teaching and
Learning

*Jennifer Ellis, Derrick L. Cogburn, Marilyn Arnone,
Nanette Levinson*

Supporting Metacognition in Online, Professional Graduate
Courses

James Waters, Susan Gasson

CL-Big Data **Thur 1-2:30pm** **Grand 6**
Enhancing the Visualization of Big Data to Support Collaborative
Decision-Making

*Dorit Nevo, Saggi Nevo, Nanda Kumar, Jonas Braasch,
Kusum Mathews*

Temporal Patterns of Structural Deception Behavior in a Massively
Multiplayer Online Game

Jinie Pak, Lina Zhou

CL-COCB **Thur 10-11:30am** **Grand 3**
E-Collaboration in Interorganizational Networks: A Literature
Review and an Agenda for Future Research

*Sebastian Zander, Simon Thanh-Nam Trang,
Lutz M. Kolbe*

Understanding the influence of IT investment on supply chain
governance (SCG)

Pietro Dolci, Antonio Carlos Macada, Gerald Grant

We-Intention, Moral Trust and Self-Motivation on Accelerating
Knowledge Sharing in Social Collaboration

Darshana Karna, IIsang Ko

CL-Creativity **Thur 1-2:30pm** **Grand 3**
Tracking Down the Negative Group Creativity Effects with the
Help of an Artificial Intelligence-like Support System

*Dominik Siemon, Linda Eckardt,
Susanne Robra-Bissantz*

The Impact of Analogical Distance as a Mental Stimulus in
Ideation Processes using Change of Perspective: Jumping

Stefan Werner Knoll, Graham Horton

Synchronous Collaboration Technology Use in Teamwork

*Thanaporn Sundaravej, Dinesh Mirchandani,
Albert Lederer*

CL-Crisis Session 1 **Tue 8-9:30am** **Grand 3**
Engineering Crowdsourcing for Disaster Events: The
Human-Centered Development of a Lost-and-Found Tasking
Environment

*Mario Barrenechea, Ken Anderson, Leysia Palen,
Joanne White*

Crowd-Sensing Meets Situation Awareness - A Research
Roadmap for Crisis Management

*Andrea Salfinger, Sylva Girtelschmid, Brigit Pröll,
Werner Retschitzegger, Wieland Schwinger*

Integrating Computer Simulation and the Field to Discover
Possible Alternatives for Tsunami Evacuation

Fuko Nakai, Michinori Hatayama, Katsuya Yamori

Disaster Evacuation Assistance System based on Multi-agent
Cooperation

Yasuki Iizuka, Kayo Iizuka

CL- Crisis Session 2 **Tue 10-11:30am** **Grand 3**
The Design of an Agent Based Model of Human Activities and
Communications in Cardiac Resuscitation

Lyuba Mancheva, Julie Dugdale

Insights from a Computer Simulation Model of a Landslide
Disaster

*Leire Labaka, Ying Qian, Peter Lango,
Jose J. Gonzalez*

A Framework for Post-Crisis Business Continuity Planning

Sharvari Kulkarni, Gezinus Hidding, Serhat Cicekoglu

§ Design Challenges/Solutions for Environments Supporting the
Analysis of Social Media Data in Crisis Informatics Research

*Kenneth Anderson, Ahmet Aydin, Mario Barrenechea,
Adam Cardenas, Mazin Hakeem, Sahar Jambi*

CL-Design **Thur 3-4:30pm** **Grand 3**
Understanding the Excessive Use of Social Networking Sites: The Role of Urge
Tommy K. H. Chan, Christy M. K. Cheung, Zach W. Y. Lee, Tillmann Neben
Understanding the Influences of Trend and Fatigue in Individuals' SNS Switching Intention
Xinlin Yao, Chee Wei Phang, Hong Ling
Privacy Tradeoff and Social Application Usage
Ben Choi, Zhenhui Jiang, Bharat Ramesh

CL-Emerging Session 1 **Tue 2-3:30pm** **Grand 3**
A Criterion-Mining Method for Group Idea Selection - Increasing Consensus with Minimal Loss of Efficiency
Jana Goers, Graham Horton
Adaptive Structuration Theory and Media Richness Theory in GDSS Research: A Critical Review
Ugochukwu Etudo, Heinz Roland Weistroffer, Muhammad Al-Abdullah
Can We Solve Low Participation, Distraction and Inefficiency? A Case Study of Distributed Collaborative Learning in Industries
Xusen Cheng, Yuanyuan Li, Ying Zhao

CL-Emerging Session 2 **Tue 4-5:30pm** **Grand 3**
Communication Strategies for Successful Virtual Teams
Sandra Dunn, Cheryl Grannan, Mahesh Raisinghani, Heather Stalling
The Evolution of Network Structure and Media Choice in Operational Emergency Swift Teams: An Exploratory Study
Jorge Colazo
The influence of user attribute onto the factors of Anshin for online shopping users
Dai Nishioka, Yuko Murayama

CL-Enabled **Thur 8-9:30am** **Grand 6**
Scientific Collaborator Recommendation in Heterogeneous Bibliographic Networks
Chen Yang, Jianshan Sun, Jian Ma, Shanshan Zhang, Gang Wang, Zhongsheng Hua
The Influence of Social Capital in an Online Community on Online Review Quality in China
Qiuju Li, Jinhong Cui, Yun Gao

§ Designing a Mobile Collaboration Application for Student Collaborative Group Work: Evidence from China
Xusen Cheng, Jianhua Yu

CL-Global Session 1 **Wed 2-3:30pm** **Grand 7**
The Concept of Maintaining Face in Global Virtual Teams
Karin Vayrynen, Riitta Hekkala
Champions of Equality: Examining Gender Egalitarianism in Virtual Teams Across Cultures
Bettina Cassandra Riedl, Y. Dora Cai, Rabindra (Robby) Ratan, Cuihua Shen, Arnold Picot
Exploring Storytelling for Relationship Building in Offshore Outsourced Projects: An Action Research Investigation
Erik Wende, Greg King

CL-Global Session 2 **Wed 4-5:30pm** **Grand 7**
Supporting Global Virtual Work through Blogs and Micro-Blogging
Aditya Johri

§ Cognitive and Behavioral Leadership Coordination - Linking Shared Leadership to High Performance in Global Teams
Emma Nordbäck, Alberto Espinosa

CL-HCI Session 1 **Thur 8-9:30am** **Grand 7**
Ask an Exper: Mobile Workspaces for Collaborative Troubleshooting
Sharoda Paul, Joseph Bolinger
ECOVAL: A Framework for Increasing the Ecological Validity in Usability Testing
Suzanne Kieffer, Ugo Sangiorgi, Jean Vanderdonckt
Enhanced Human-Computer Interaction for Business Applications on Mobile Devices: A Design-Oriented Development of a Usability Evaluation Questionnaire
Maximilian Wich, Tommi Kramer

CL-HCI Session 2 **Thur 10-11:30am** **Grand 7**
Bringing Advertising Closer to Mind: Using Neurophysiological Tools to Understand Student Responses to Super Bowl Commercials
Adriane Randolph, Sandra Pierquet, Stephen Krantz
Generation Y, Baby Boomers, and Gaze Interaction Experience in Gaming
Soussan Djamasbi, Seyed Siavash Mortasavi
Stereoscopic 3D to Reduce Product Uncertainty in E-commerce
Malin Nilsson, Malin Nilsson, Per Bagmark
Towards ex ante Prediction of User Performance: A novel NeuroIS Methodology based on Real-Time Measurement of Mental Effort
Ricardo Buettner, Sebastian Sauer, Andreas Eckhardt, Christian Maier

CL-HCI Session 3 **Thur 1-2:30pm** **Grand 7**
Behaviors, Perceptions, Responsiveness, and Presence: The Dyadic Model of Mediated Communication
Elena Corriero, Stephanie Tong, Pradeep Sopory
Social Embodied Conversational Agents: Social or Nonsocial
Eric Case, Nathan Twyman
Strategies for Automated GUI Tailoring for Multiple Devices
David Raneburger, Hermann Kaindl, Roman Popp
The Influence of Immersive Driving Environments on Human-Cockpit Evaluations
Diana Reich, Rainer Stark

CL-Healthcare Session 1 **Tue 2-3:30pm** **Grand 7**
Post-Hoc CIT: A useful IS research method for studies of health IT and patient safety
Janis Gogan, Sunayana Karra

§ Patients' Behavioral Intentions toward Using WSN based Smart Home Healthcare Systems: An Empirical Investigation
Ahmad Alaiad, Lina Zhou
OH-BUDDY: Mobile Phone Texting Based Intervention for Diabetes and Oral Health Management
Anaga Ojo, Samir Chatterjee, Harold Neighbors, Gretchen Piatt, Sanjoy Moulik, Bonita Neighbors, Jamie Abelson, Chris Krenz, Darlene Jones

CL-Healthcare Session 2 **Tue 4-5:30pm** **Grand 7**
Ontological Analysis of the Research on the Use of Social Media for Health Behavior Change
Mohanraj Thirumalai, Arka Gud Ramaprasad
Leveraging Key Aspects of Collaborative Techniques to Assist Clinical Decision Making: The Case of Total Hip and Knee Arthroplasty
Hoda Moghimi, Johnathan Schaffer, Peter Hadad, Richard De steiger, Nilmini Wickramasinghe

CL-Negotiation Tue 2-3:30pm Grand 6
§ Cooperation in Face and Dignity Cultures: Role of Moral Identity and Gender
Zhaleh Semnani-Azad, Katia Sycara, Michael Lewis
Improving Successful A+B Procurement Auctions with Negotiations
Gregory Kersten
Increasing the Value of Big Data Projects - Investigation of Industrial Success Stories
Katja Tiefenbacher, Sebastian Olbrich

CL-Processes Session 1 Tue 8-9:30am Grand 7
The "Sort-your-own (SYO) Method" of Collaborative Sorting: A Practical Technique to Improve the Efficiency of Group Convergence
Christopher Diller
Creating and Sustaining Collaborative Efforts for Scientific Idea Exchange Through Autonomy, Competence, and Relatedness
Amit Deokar, Thomas Meservy, Joel Helquist
Brainstorming Is Just the Beginning: Effects of Convergence Techniques on Satisfaction, Shared Understanding, and Perceived Usefulness of Moderation in Teams
Isabella Seeber, Ronald Maier, Barbara Weber, Gert-Jan de Vreede, Triparna de Vreede, Abdulrahman Alothaim
Boundary Objects for Participatory Group Model Building of Agent-based Models
Johnie Rose, Laura Homa, Peter Hovmand, Alison Kraus, Kelly Burgess, Anindita Biswas, Heide Aungst, Sarah Cherng, Rick Riolo, Kurt Stange

CL-Processes Session 2 Tue 10-11:30am Grand 7
A Design Theory for Digital Habitats: Building Virtual Communities of Practice
Douglas Druckenmiller, Daniel Mittleman
§ Individual Differences that Predict Interactions in Mixed-Initiative Teams
Bianca Zongrone, Doug Derrick
Evaluating the Performance of Collaboration Engineers
Nils Littau Randerup, Robert (Bob) Briggs

CL-Psych Session 1 Wed 8-9:30am Grand 7
Media Capabilities that Support Identity Communication in Virtual Teams
David Wilson, Sherry Thatcher, Sue Brown
A Capacity Perspective on E-Mail Overload: How E-Mail Use Contributes to Information Overload
Nikolai Sobotta, Markus Hummel
The Changing Impact of Geographic Distance: A Preliminary Analysis on the Co-author Networks in Scientometrics (1983-2013)
Xiao Liang

CL-Psych Session 2 Wed 10-11:30am Grand 7
The Impact of Interaction Anticipation and Incentive Type on Shared Leadership and Performance in Virtual Teams
Robert Fuller, Michelle Harding
Predicting the Behavioral Intention to Use Collaborative Meeting Technologies: A Goal Attainment Mediated by Meeting Satisfaction Model
Abdulrahman Alothaim, Gert-Jan de Vreede, Roni Reiter-Palmon

CL-Serious Games Session 1 Wed 8-9:30am Grand 6
A Field Application to Vet a Serious Game toward Learning Objectives
Imed Boughzala
Why Do Teachers Use Game-Based Learning Technologies? - The Role of Individual and Institutional ICT Readiness
Juho Hamari, Tuula Nousiainen
Observed Interaction in Games for Down Syndrome Children
Isys Macedo, Daniela Trevisan, Cristina Nader Vasconcelos, Esteban Clua
Serious Games and Their Use in HRM: A Typology of Uses in CAC40 Companies
Oihab Allal-Cherif, Mohamed Makhoulouf

CL-Serious Games Session 2 Wed 10-11:30am Grand 6
The Effects of Game Dynamics on User Engagement in Gamified Systems
Ayoung Suh, Christian Wagner, Lili Liu
§ Increasing intranet usage through gamification - insights from an experiment in the banking industry
Benedikt Morschheuser, Christian Henzi, Rainer Alt
Model-Driven Serious Game Development: Integration of the Gamification Modeling Language GaML with Unity
Amir Matallaoui, Philipp Herzig

CL-Social Media Session 1 Wed 2-3:30pm Grand 6
Enterprise Social Media: Challenges and Opportunities for Organizational Communication and Collaboration
Wietske Van Osch, Charles Steinfield, Brigitte Balogh
The Effects of Network Diversity and Social Norms on Social Structuring: Empirical Evidence from Online Social Networks
Tillmann Neben, Dennis Lips, Aliona von der Trenck
Algorithmic Authority: The Case of Bitcoin
Caitlin Lustig, Bonnie Nardi

CL-Social Media Session 2 Wed 4-5:30pm Grand 6
An Electronic Clearance Marketplace Utilizing Collaboration in Supplier and Buyer Communities: A Design Science Research Study
Ahmed Doha, Khaled Hassanein, Kaleem Mahmood

§ Not Just in it for the Money: A Qualitative Investigation of Workers - Perceived Benefits of Micro-task Crowdsourcing
Ling Jiang, Christian Wagner, Bonnie Nardi

DECISION ANALYTICS, MOBILE SERVICES, AND SERVICE SCIENCE

DA – Analytics Thur 1-2:30pm

Garden Isle 5

Decision Support System for the Sustainability Assessment of Critical Raw Materials in SMEs

Stefan Bensch, Christoph Helbig, Christoph Kolotzek, Andrea Thorenz, Axel Tuma

Sustainability Management Control Practice: A Study of German SMEs

Imke Wasner, Tim A. Majchrzak

§ Multi-Layer Agent-Based Decision Making Model with Incomplete Information Game Theory to Study the Behavior of Market Participants for Sustainability

M. Shafie-khah, Joao P. S. Catalao

Simulation-based Decision Support for the Reduction of the Energy Consumption of Complex Business Processes

Patrick Lubbecke, Markus Reiter, Peter Fettke, Peter Loos

DA – Big Data Session 1 Tue 8-9:30am Garden Isle 5

Guilt-by-constellation: Fraud Detection by Suspicious Clique Memberships

Veronique Van Vlasselaer, Leman Akoglu, Tina Eliassi-Rad, Monique Snoeck, Bart Baesens

SenseCluster for Exploring Large Data Repositories

Yusra Harb, Surendra Sarnikar, Omar El-Gayar

Leveraging Digital Data Streams: The Development and Validation of a Business Confidence Index

Gabriele Piccoli, Joaquin Rodriguez, Richard Watson

DA – Big Data Session 2 Tue 10-11:30am Garden Isle 5

Guiding the Introduction of Big Data in Organizations: A Methodology with Business- and Data-Driven Ideation and Enterprise Architecture Management-Based Implementation

Martin Vanauer, Carsten Boehle, Bernd Hellingrath

Adaptive Modeling for Real Time Analytics: The Case of 'Big Data' in Mobile Advertising

Don Kridel, Dan Dolk, David Castillo

§ Data Analytics in Free-Floating Carsharing: Evidence from the City of Berlin

Sebastian Wagner, Tobias Brandt, Dirk Neumann

DA – Decision Thur 8-9:30am

Garden Isle 5

§ MaXcept - Decision Support in Exception Handling through Unstructured Data Integration in the Production Context. An Integral Part of the Smart Factory.

Laura Bernadette Kassner, Bernhard Mitschang

A Concept for Extracting and Sharing Technical Data from Digital Product Models for Subsequent Processing

Jens Lachenmaier, Heiner Lasi, Hans-Georg Kemper

Knowledge-based planning and evaluation of production systems

Robert Weidner, Jens P. Wulfsberg

Transitioning to the Pull Economy The case of the UK Railways

Roger Maull, Phil Godsiff, Cathy Mulligan

DA – Economy Wed 10-11:30am

Garden Isle 1

§ Digital Technologies and the Changing Business Models in Creative Industries

Feng Li

DA – ICT Tue 2-3:30pm

Garden Isle 5

What Makes Smart Work Successful? Overcoming the Constraints of Time Geography

Yong-Young KIM, Sangjo OH

§ Requirements Elicitation and Utilization Scenarios for In-Car Use of Wearable Devices

Sabine Berghaus, Andrea Back

Information Needs of the Mobile Technical Customer Service - A Case Study in the Field of Machinery and Plant Engineering

Gerald Daeuble, Deniz Oezcan, Christina Niemoeller, Michael Fellmann, Markus Nuettgens, Oliver Thomas

DA – Intelligent Session 1 Wed 8-9:30am Garden Isle 5

Integrating Side Payments into Collaborative Planning for the Distributed Multi-Level Unconstrained Lot Sizing Problem

Jorg Homberger, Hermann Gehring, Tobias Buer

Optimization of a two-stage distribution network with route planning and time restrictions

Halil Ibrahim Guenduez

Hub Location and Network Design with Fixed and Variable Costs

James Campbell, Gilberto de Miranda Jr., Ricardo de Camargo, Morton O'Kelly

DA – Intelligent Session 2 Wed 10-11:30am Garden Isle 5

Managing Disruptions in Last Mile Distribution

Astrid Dettenbach, Sarah Ubber

An Approach for Assessing the Applicability of Collaborative Planning Concepts

Peer Koppers, Philipp Saalman, Bernd Hellingrath

Pricing Strategies in a Dual-channel Supply Chain with Local Advertising

Dayi Shi, Yong He, Lindu Zhao, Peng Zhang

§ Sales Forecasting with Partial Recurrent Neural Networks: Empirical Insights and Benchmarking Results

Stefan Lessmann, Moritz Muller-Navarra, Stefan Voss

DA – Interactive Tue 4-5:30pm

Garden Isle 5

Interactivity in Visual Analytics: Use of Conceptual Frameworks to Support Human-Centered Design of a Decision-Support Tool

Paul Parsons, Kamran Sedig, Arman Didandeh, Arash Khosravi

§ An Integrated In-Situ Approach to Impacts from Natural Disasters on Critical Infrastructures

Sebastian Mittelstadt, Xiaoyu Wang, Todd Eaglin, Dennis Thom, Daniel Keim, William Tolone, William Ribarsky

Initial Steps for IT Incident Visualization: Understanding Leadership Needs, Design and Evaluation

Mark Tannian

Visual Analysis of Visitor Behavior for Indoor Event Management

Robert Krueger, Florian Heimerl, Qi Han, Kuno Kurzhals, Steffen Koch, Thomas Ertl

DA – Internet Wed 2-3:30pm Garden Isle 5
Research Directions on the Adoption, Usage and Impact of the Internet of Things through the Use of Big Data Analytics
Frederick Riggins, Samuel Fosso Wamba
Location Privacy in the Era of the Internet of Things and Big Data Analytics
Robert Minch
Dynamic Price Prediction for Amazon Spot Instances
Vivek Kumar Singh, Kaushik Dutta

DA – Mobile Session 1 Wed 2-3:30pm Garden Isle 2
Elicitation of Requirements for the Design of Mobile Financial Advisory Services - Instantiation and Validation of the Requirement Data Model with a Multi-method Approach
Christian Ruf, Andrea Back, Richard Bergmann, Michael Schlegel

§ A Post-Failure Analysis of Mobile Payment Platforms
Avinash Gannamaneni, Jan Ondrus, Kalle Lyytinen
Impact of Switching Costs and Network Effects on Selection of Mobile Platforms
Nikita Dzhain, Jussi I. Nykanen, Esko Penttinen, Timo Saarinen

DA – Mobile Session 2 Wed 4-5:30pm Garden Isle 2
The Affordance of Gamification in Enabling a Digital Disruptor: A Case Study of the goCatch Taxi Booking App
Felix Ter Chian Tan, Barney Tan, Lesley Land
The Hitchhiker's Guide to the Galaxy of Dynamic Ridesharing
Riccardo Bonazzi, Yves Pigneur
Exploring the effect of experiential marketing on movie-watching intention - The example of mobile movie theme games
Chun-Hua Hsiao, Chao-Chi Yang

DA – Multi-Criteria Session 1 Thurs 1-2:30pm Garden Isle 2
Recommending Documents for Complex Question Exploration by Analyzing Collective Browsing Behavior
Alya Asarina, Olga Simek
§ Multi-Criteria Decision Support for Investment Decisions: Examining the Interactive Effects of Risk Profile, Information Horizon, and Prospect Format
Clayton Looney, Andrew Hardin
Biases and Debiasing in Multi-criteria Decision Analysis
Gilberto Montibeller, Detlof von Winterfeldt

DA – Multi-Criteria Session 2 Thur 3-4:30pm Garden Isle 2
“Using Text Mining and Clustering to Group Research Proposals for ResearchcProject Selection”
Yibo Wang, Wei Xu, Hongxun Jiang
Creating Value: Data Exploration, Multiple Objectives, and Real Options
Robert Clemen
Decision Making for Content Management Systems: Criteria Identification and Categorisation
Spyros Angelopoulos, Fotis Kitsios

DA – Science Session 1 Tues 8-9:30am Garden Isle 2
Special Session

DA – Science Session 2 Tue 10-11:30am Garden Isle 2
§ Conceptual Framework for a Service-ecosystems Approach to Project Management
Pamela Clavier, Stephen Vargo
Measuring Modularity and Related Effects for Services, Products, Networks, and Software - A Comparative Literature Review and a Research Agenda for Service Modularity
Regine Doerbecker, Daniela Boehm, Tilo Boehmann
Semantic Service Specification for V&V of Service Composition and Business Processes
Ralph Hoch, Hermann Kaindl, Roman Popp, Dominik Ertl, Helmut Horacek

DA – Science Session 3 Tue 2-3:30pm Garden Isle 2
Public Value of Intelligent Transportation System
Ramona Blanes, Robert A Paton, Iain Docherty
Firm Transitions from Products to Services and Mode of Entry
Sukruth Suresh, T. Ravichandran
Concept for a multimodal business travel portal: Identification of a holistic business travel process and the required functional building blocks
Lenz Tobias, Gewalt Heiko, Coccorullo Sascha

DA – Science Session 4 Tue 4-5:30pm Garden Isle 2
The Duality of Second Screens: A Phenomenological Study of Multi-Platform Engagement and Service Experiences
Christoph Breidbach, Jennifer Chandler, Paul Maglio
Platform orchestration for efficiency, development and innovation
Anssi Smedlund, Hoda Faghankhani
Service Science Perspective for Open Source Project Survivability
Masashi Ono

DA – Service Thur 8-9:30am Garden Isle 2
Analytics to Improve Service in a Pre-Admission Testing Clinic
Saligrama Agnihotri, Anirudha Banerjee
Restaurant Rating: Industrial Standard and Word-of-Mouth
A Text Mining and Multi-dimensional Sentiment Analysis
Gan Qiwei, Yu Yang
Empirical determination and evaluation of factors that impact ATM placement
Raghu Kisore Neelisetti, Ganga Reddy

DA – Smart Wed 8-9:30am Garden Isle 2
Strategies in Smart Service Systems Enabled Multi-Sided Markets: Business Models for the Internet of Things
Tayfun Keskin, Deanna Kennedy
How Tangential Problems Limit Value Creation in IT-based Service Systems
Paul Maglio, Eser Kandogan, Eben Haber, John Bailey
§ Smart Households and Home Energy Management Systems with Innovative Sizing of Distributed Generation and Storage for Customers
Ozan Erdinc, Nikolaos Paterakis, Joao P. S. Catalao, Iliana Pappi, Anastasios Bakirtzis

DA – Soft Computing Wed 8-9:30am Garden Isle 4

Towards Online Detection of Neural Assemblies in Parallel Spike Trains

Christian Braune, Martin Glauer, Rudolf Kruse

A Dynamic Fuzzy Consensus Model with Random Iterative Steps

Pasi Luukka, Mikael Collan, Mario Fedrizzi

Rough Set-based Dataset Reduction Method Using Swarm Algorithm and Cluster Validation Function

*Kuang-Yu Huang, Ting-Hua Chang, Shann-Bin Chang***§** Time Series Mining by Fuzzy Natural Logic and F-Transform*Vilem Novak, Irina Perfilieva***DA – Open Wed 4-5:30pm Garden Isle 5**

Mind the Gap: Exploring Stakeholders - Value with Open Data Assessment

*Anders Hjalmarsson, Niklas Johansson,**Daniel Rudmark***§** Complex Services and According Business Models - Design and Evaluation of an Analysis Framework in the Field of Telemedicine*Christoph Peters, Theresa Kromat, Jan Marco Leimeister*

From open access to open data markets: increasing the subtractability of open data

*Juho Lindman, George Kuk***DA – Web Mining Thur 10-11:30am Garden Isle 5**

Can sentiment analysis help mimic decision-making process of loan granting? A novel credit risk evaluation approach using GMKL model

Dailing Zhang, Wei Xu, Yingqiu Zhu, Xinwei Zhang

Leveraging Advanced Analytics Techniques for Medical Systematic Review Update

Prem Timsina, Omar El-Gayar, Jun Liu

Extracting News Sentiment and Establishing its Relationship with the S&P 500 Index

*Sahil Zubair, Krzysztof Cios***§** Enhancing Sentiment Analysis of Financial News by Detecting Negation Scopes*Nicolas Prolochs, Stefan Feuerriegel, Dirk Neumann*

DIGITAL AND SOCIAL MEDIA

DSM-Citizen Wed 2-3:30pm Garden Isle 4

Tracing Emergent Structure in Self-organized Citizen Journalism

Daniel Nylan

Trustworthy Citizen-generated Images and Video on Social Media Platforms

Jessica Bushey

What just happened? A Framework for Social Event Detection and Contextualization

*Prashant Khare, Pablo Tramon Torres, Bahareh Heravi***DSM-Communities Session 1 Thur 8-9:30am Garden Isle 4**

Bridging the Divide Between Virtual and Embodied Spaces: Exploring the Effect of Offline Interactions on the Sociability of Participants of Topic-Specific Online Communities

Spyros Angelopoulos, Yasmin Merali

Motivations for Participation in the YouTube-based "Gets Better Project"

Laurie Phillips Honda

Outcompeting Traditional Peers? Scholarly Social Networks and Academic Output

*Marco Bastos***DSM-Communities Session 2 Thur 10-11:30am Garden Isle 4**

The Use of Social Media for Shaming Strangers: Young People's Views

Amy de Vries

From Dorms to Cubicles: How Recent Graduates Communicate

*David Choi, Judy Chen, Stephanie Wu,**Debra Lauterbach, Aruna Balakrishnan*

Nearer to being characters in a book': how older people make sense of online communities and social networking sites

*Dave Harley, Kate Howland, Eric Harris***DSM-Communities Session 3 Thur 1-2:30pm Garden Isle 4**

Computing the Veracity of Information through Crowds: A Method for Reducing the Spread of False Messages on Social Media

*Huaye Li, Yasuaki Sakamoto***§** To Give or not to Give? An Exploratory Study of User Beliefs Influencing Adoption of Facebook Gifts*Stanislav Mamonov, Raquel Benbunan-Fich***DSM-Data Mining Session 1 Tues 8-9:30am Kauai 5**

A Meta-Analysis of Theories and Topics in Social Media Research

Wietske Van Osch, Constantinos Coursaris

Can #Twitter_Trends Predict Election Results? Evidence from 2014 Indian General Election

*Aparup Khatua, Apalak Khatua, Kuntal Ghosh,**Nabendu Chaki*

TreeQueST: A Treemap-based Query Sandbox for Microdocument Retrieval

*Dennis Thom, Thomas Ertl***DSM-Data Mining Session 2 Tue 10-11:30am Kauai 5**

Viewer Engagement in Movie Trailers and Box Office Revenue

Sehwan Oh, JoongHo Ahn, Hyunmi Baek

Identifying Uptake, Sessions, and Key Actors in a Socio-Technical Network

Daniel Suthers, Nathan Dwyer

Measuring NBA Players' Mood by Mining Athlete-Generated Content

*Chenyan Xu, Yang Yu***§** Estimating Centrality Statistics for Complete and Sampled Networks: Some Approaches and Complications*Ju-Sung Lee, Juergen Pfeffer*

DSM-Enterprise Session 1 Wed 8-9:30am Kauai 5

Challenges and Outcomes of Enterprise Social Media Implementation: Insights from Cummins, Inc.

Hillol Bala, Anne Massey, John Rajanayakam, Christine Hsieh

Analyzing the Problem of Employee Internal Social Network Site Avoidance: Are Users Resistant due to their Privacy Concerns?

Ricardo Buettner

Factory without walls? Work and non-work in the Facebook-policies of Finnish companies

Juho Lindman, Niko Nykonen

DSM-Enterprise Session 2 Wed 10-11:30am Kauai 5

Losing Control of Company Information in the Recruitment Process: The Impact of LinkedIn on Organizational Attraction

Robyn Brouer, Michael Stefanone, Rebecca Badawy, Michael Egnoto, Stephanie Seitz

Does Gender Make a Difference? The Use of Smart CV in Undergraduates' Career Planning

Terence Chun-Ho Cheung, Ron Chi-Wai Wok, Hokling Cheung

§ The Influence of Social Media on Organizational Socialization

Ester Gonzalez, Dorothy Leidner, Hope Koch

The Impact of Enterprise Social Media on Task Performance in Dispersed Teams

Ayoung Suh, Gee-Woo Bock

DSM-Enterprise Session 3 Wed 2-3:30pm Kauai 5

Relationship Development with Customers on Facebook: A Critical Success Factors Model

Babak Abedin, Hamed Jafarzadeh

Development of a Social Media Maturity Model - A Grounded Theory Approach

Sylvia Geyer, Barbara Krumay

Back to Basics: Facilitating Engagement in Modern Work Environments

Terri L. Griffith, Emma Nordbäck, John E. Sawyer, Ronald E. Rice

DSM-Ethical Wed 4-5:30pm Garden Isle 4

Maximising Eyeballs but Facilitating Cybercrime? Ethical Challenges for Online Advertising in New Zealand

Paul Watters, Maya Watters, Jackie Ziegler

Pros and Cons of Privacy by Default: Investigating the Impact on Users and Providers of Social Network Sites

Markus Tschersich, Michael Niekamp

§ "Almost" "More Than" or "Truly" Human? - Examining Sci-fi TV Through the Lenses of Digital and Theological Anthropologies

Elizabeth Chapin

DSM-Intelligence Session 1 Thur 8-9:30am Kauai 5

Motivations for Sustained Participation in Crowdsourcing: The role of Talk in a Citizen Science case study

Corey Jackson, Carsten Osterlund, Kevin Crowston, Gabriel Mugar, Katie DeVries Hassman

A Geography of Participation in IT-Mediated Crowds

Jean-Francois Lemoine, John Prpic, Yannig Roth, Prashant Shukla

Computational Analysis of Collective Intelligence in Conversational Text

Taraneh Khazaei, Lu Xiao

DSM-Intelligence Session 2 Thur 10-11:30am Kauai 5

User Interaction Profiling on Facebook, Twitter, and Google+ across Radio Stations

Asta Zelenkauskaite, Bruno Simoes

§ An Agent-Based Modeling analysis of helpful vote on online product reviews

Qianqian Liu, Elena Karahanna

§ New Frontiers for Crowdsourcing: the Extended Mind

Roger Whitaker, Martin Chorley, Stuart Allen

DSM-Intelligence Session 3 Thur 1-2:30pm Kauai 5

The Impact of Interaction Networks on Lurkers' Behavior in Online Communities

Jyun-cheng Wang, Cheng-hsin Chiang

Dissortative From the Outside, Assortative From the Inside: Social Structure and Behavior in the Industrial Trade Network

Guy Kelman, David Bree, Eran Manes, Marco Lamieri, Natasa Golo, Sorin Solomon

First-Mover Advantage in a Social Q&A Community

Rich Gazan

DSM-Learning Session 1 Tue 2-3:30pm Kauai 5

Tweet to learn: Expertise and centrality in conference Twitter networks

Sarah Gilbert, Drew Paulin

What Happens When Animals Tweet: A Twitter Case Study at Brookfield Zoo

Cynthia Hood, Jason Watters, Brittany Halverstadt, Kayleigh Hood

Teaching and Learning in a Social Media Ecosystem: A Case Study

Mihaela Vorvoreanu, David Sears, Aditya Johri

DSM-Learning Session 2 Tue 4-5:30pm Kauai 5

§ Adaptive Social Media Skills Trainer for Vocational Education and Training: Concept and Implementation of a Recommender System

Christina Di Valentin, Andreas Emrich, Johannes Lahann, Dirk Werth, Peter Loos

Effect of Feedback on Creativity in Social Learning Contexts (Research-in-Progress)

Manli Wu, J.Leon Zhao, Shuk Ying Ho, Liang Liang

DSM-Location Thur 3-4:30pm Garden Isle 4

§ Social and Personal Disclosure in a Location-Based Real Time Dating App

Colin Fitzpatrick, Jeremy Birnholtz, Jed R. Brubaker

Platial or Locational Data? Toward the Characterization of Social Location Sharing

Teriitutea Quesnot, Stephane Roche

DSM-Network Wed 10-11:30am Garden Isle 4

Image Attributes and Diffusion via Twitter: The Case of #guncontrol

Michael A. Stefanone, Gregory Saxton, Michael Egnoto, Wayne Weiai Xu

Social Media Activity and Hyperlink Network Analysis: A Holistic Media Ecology Perspective

Jiawei Sophia Fu, Michelle Shumate

§ Robustness of Network Centrality Metrics in the Context of Digital Communication Data

Ju-Sung Lee, Juergen Pfeffer

Globalization or Decentralization of Hyperlinked Content Among Websites: An Examination of Website Co-Citations
Han Woo Park, Jeanette B. Ruiz, George A. Barnett

Digital and Physical Materiality of Information Technologies: The Case of Fitbit Activity Tracking Devices
Mohammad Hossein Jarrahi

SM-Materiality **Thur 3-4:30pm** **Kauai 5**
Offshoring Digital Work, But Not Physical Output: Examining Differential Access to Task Objects in Globally Distributed Automotive Engineering and Graphic Design Work
Samantha R. Meyer, Casey S. Pierce, Yubo Kou, Paul M. Leonard, Bonnie A. Nardi, Diane E. Bailey

ELECTRONIC GOVERNMENT

EG-BOLD & EG-Services* **Tue 8-9:30am** **Kauai 4**
EG-BOLD
Perspectives of Emerging Museum Professionals on the Role of Big Data in Museums
Rose Paquet Kinsley, Jason Portenoy
Understanding Cloud Adoption Decisions in the Public Sector
Ariana Polyviou, Nancy Pouloudi
EG-Services
A Comparative Value Assessment of Private Sector and eGovernment Services in the production of a Non-Label Affiliated Jazz Album
James Moore

EG-E-Justice **Tue 10-11:30am** **Kauai 4**
A Strategic Approach to Ensure the Integrity and Availability of Electronic Court Records
Nial Raaen
Understanding Judicial Websites: An Exploration of Portals in the States of Mexico
Rodrigo Sandoval-Almazan, J. Ramon Gil-Garcia
§ An Ontology-Based Approach for Retrieving Information from Disparate Sectors in Government: The Patent System as an Exemplar
Kincho Law, Siddharth Taduri, Gloria T. Lau, Jay Kesan

EG-Emerging **Tue 2-3:30pm** **Kauai 4**
Inter-Organizational Information System Digital Government Change in Justice Agencies: The Complexity of Stakeholder Identification
Kimberly Stoltzfus
Understanding Citizens - Direct Policy Suggestions to the Federal Government: A Natural Language Processing and Topic Modeling Approach
Loni Hagen, Ozlem Uzuner, Christopher Kotfila, Teresa Harrison, Dan LaManna
Does e-government education meet competency requirements? An analysis of the German university system from international perspective
Sirko Hunnius, Benedikt Paulowitsch, Tino Schuppan

EG-ICT4D **Tue 4-5:30pm** **Kauai 4**
Mobile Banking for the Unbanked Poor without Mobile Phones: Comparing Three Innovative Mobile Banking Services in India
Lakshmi Mohan, Devendra Potnis
ICT4ICTD: Computational Social Science for Complex Systems of Digital Development
Martin Hilbert
Land Information Systems for Development (LIS4D): A Neglected Area within ICT4D Research?
Bjørn Furuholt, Fathul Wahid, Oystein Sabo
§ Mobile Broadband Affordability and the Global Digital Divide, An Information Ethics Perspective
Joseph Weiss, Girish Gulati, David J Yates, Lauren Yates

EG-Open **Wed 8-9:30am** **Kauai 4**
Data Ships: Empirical Examination of Open (Closed) Government Data
Karine Nahon, Alon Peled
§ An International Survey of the Factors Influencing the Intention to use Open Government
Marlen Christin Jurisch, Markus Kautz, Petra Wolf, Helmut Krcmar
Automatic Content Analysis of Legislative Documents by Text Mining Techniques
Fu-ren Lin, Shih-Yao Chou, Dachi Liao, Hao De

EG-Policies **Wed 10-11:30am** **Kauai 4**
§ e-Government Stage Models: A Contextual Critique
Finn DeBri, Frank Bannister
Investigating Open Source Software Benefits in Public Sector
Osden Jokonya
Examining Government Inter-Organizational Information Integration Success: Do Governance Structures and Mechanisms Matter?
Djoko Sigit Sayogo, J. Ramon Gil-Garcia

EG-Secure Session 1 **Wed 2-3:30pm** **Kauai 4**
A framework for Designing a Security Operations Centre (SOC)
Stef Schinagl, Keith Schoon, Ronald Paans
Using Classified Intelligence to Defend Unclassified Networks
Neal Ziring, Berl Thomas
The Honey Community: Use of Combined Organizational Data for Community Protection
Keith Harrison, James Rutherford, Gregory White

EG-Secure Session 2 Wed 4-5:30pm Kauai 4
 An Agent Based Approach to Perform Database Damage Assessment and Recovery Efficiently After a Cyber Attack
Kranthi Kurra, Brajendra Panda
 State Based Network Isolation for Critical Infrastructure Systems Security
Wm. Arthur Conklin
 § Municipal E-Government Security: What is the Greatest Challenge?
Timothy Perez

EG-Smart Cities Session 1 Thur 8-9:30am Kauai 4
 Key Challenges for the Smart City: Turning Ambition into Reality
Joachim Van den Bergh, Stijn Viaene
 How "Smart" are Japanese Cities? An Empirical Investigation of Infrastructures and Governmental Programs in Tokyo, Yokohama, Osaka and Kyoto
Kaja Fietkiewicz, Wolfgang Stock
 Social Media in Smart cities: an exploratory research on Mexican municipalities
Rodrigo Sandoval-Almazan, David Valle Cruz
 From Smart Cities to Human Smart Cities
Álvaro Oliveira, Margarida Campolargo

EG-Smart Cities Session 2 Thur 10-11:30am Kauai 4
 Towards Smart City Marketplace at the example of Stockholm
Margus Valja, Tobias Ladhe
 A Tale of Open Data Innovations in Five Smart Cities
Adegboyega Ojo, Edward Curry, Fatemeh Ahmadi Zeleti
 A knowledge-based conceptual vision of the smart city
Elsa Negre, Camille Rosenthal-Sabroux, Mila Gasco
 Pooling and Leveraging Scarce Resources: The Smart eCityGov Alliance
Hans Jochen Scholl, Suha AlAwadhi

EG-Social Media Session 1 Thur 1-2:30pm Kauai 4
 Social Media Use and Perception of Transparency in the Generation of Trust in Decentralized Public Services
Cayetano Medina, Ramon Rufin
 A Resource-Based View of Using Social Media for Material Disclosures
Ludwig Christian Schaupp, Jack Dorminey, Richard Dull
 The Effect of Increased Connectivity on Serial Regime Change
Edward Anderson

EG-Social Media Session 2 Thur 3-4:30pm Kauai 4
 § What Makes Hyper-Local Online Discussion Forums Sustainable?
Claudia Lopez, Yu-ru Lin, Rosta Farzan
 § Combating Rumor Spread on Social Media: The Effectiveness of Refutation and Warning
Pinar Ozturk, Huaye Li, Yasuaki Sakamoto
 Emotions and E-participation of Young People
Peter Parycek, Judith Schossboeck, Ralph Schollhammer

EG-Transformational Tue 8-9:30am Kauai 1
 E-Government Stakeholder Analysis and Management Based on Stakeholder Interactions and Resource Dependencies
Dian Balta, Vanessa Greger, Petra Wolf, Helmut Krcmar
 § A Decision Enhancement Service for Stakeholder Analysis to Achieve Transformations in the Public Sector
Arjan Knol, Marijn Janssen, Henk Sol
 Should E-government Be Transformational and Participatory? An Essay on E-government in the Utilitarian Mode of Information Technology Use
Hun Myoung Park
 Towards a Theoretical Model for Co-Realization of IT Value in Government
Leif Skiftenes Flak, Hans Solli-Saether, Detmar William Straub

ELECTRIC ENERGY SYSTEMS

Session 1 ES-Economics Tue 8-9:30am Kuhio Theater
 A Detailed Power System Planning Model: Estimating the Long-Run Impact of Carbon-Reducing Policies
Daniel Shawhan, John Taber, Ray Zimmerman, Jubo Yan, Charles Marquet, William Schulze, Richard Schuler, Robert Thomas, Daniel Tylavsky, Di Shi
 A Two-layered Framework for Robust Dispatch with Transmission Constraints
Anupam Thatte, Le Xie
 AC-Based Topology Control Algorithms (TCA) - A PJM Historical Data Case Study
Evgeniy Goldis, Xiaoguang Li, Michael Caramanis, Aleksandr Rudkevich, Pablo Ruiz
 Probabilistic Forecast of Real-Time LMP via Multiparametric Programming
Yuting Ji, Robert Thomas, Lang Tong

Session 2 ES-Distributed Tue 10-11:30am Kuhio Theater
 An Evaluation of Algorithms to Solve for Do-Not-Exceed Limits for Renewable Resources
Shaobo Zhang, Nikita Singhal, Kory Hedman, Vijay Vittal, Junshan Zhang
 A Risk-averse Optimization Model for Unit Commitment Problems
Gabriela Martnez, Lindsay Anderson
 Price Suppression and Emissions Reductions with Offshore Wind:
Richard Tabors, Lorna Omondi, Aleksandr Rudkevich, Evgeniy Goldis, Kofi Amoako-Gyan
 Mid-term Effects of Optimal Wind-Reversible Hydro Offering Strategies in Day-Ahead Electricity Markets
Agust'in S'anchez de la Nieta, Joao P. S. Catalao, Javier Contreras, Jose Ignacio Munoz

Session 3 ES-Resilient Tue 2-3:30pm Kuhio Theater
Electric Power Market Experiments with Optimal Topology Control

Gokturk Poyrazoglu, HyungSeon Oh

Improved Transmission Line Fault Location with Automated Correlation of Big Data from Lightning Strikes and Fault-induced Traveling Waves

Mladen Kezunovic, Tatjana Dokic, Po-Chen Chen, Vuk Malbasa

21st Century Power Grids: Reliable, Controllable and Resilient
Special Presentation by Terry Boston

Towards a Transmission Line Limit Preserving Algorithm for Large-scale Power System Equivalents

Wonhyeok Jang, Saurav Mohapatra, Thomas Overbye

Session 4 ES-Monitoring Tue 4-5:30pm Kuhio Theater

§ On Bus Type Assignments in Random Topology Power Grid Models

Zhifang Wang, Robert Thomas

§ A Low-Rank Matrix Approach for the Analysis of Large Amounts of Power System Synchrophasor Data

Meng Wang, Joe Chow, Pengzhi Gao, Tony Jiang, Yu Xia, Scott Ghiocel, Bruce Fardanesh, George Stefopoulos, Yutaka Kokai, Nao Saito

Self-Correction Strategies for Frequency Domain Ringdown Analysis

Ebrahim Rezaei, Lu Zhang, Mani Venkatasubramanian

Cyber Security and Operational Reliability

Sakis Meliopoulos, Raheem Beyah, George Cokkinides, Seth Walters, Paul Myrda

Session 5 ES-Monitoring Wed 8-9:30am Kuhio Theater

§ Spectral Decomposition of Demand-Side Flexibility for Reliable Ancillary Services in a Smart Grid

Prabir Barooah, Ana Busic, Sean Meyn,

Optimal Sizing of Voltage Control Devices for Distributed Circuit with Intermittent Load

Changhong Zhao, Scott Backhaus, Misha Cher

Finite-Time Approximate Consensus and its Application to Distributed Frequency Regulation in Islanded AC Microgrids

Stanton Cady, Alejandro Dominguez-Garcia, Christoforos Hadjicostis

Applying Networked Estimation and Control Algorithms to Address Communication Bandwidth Limitations and Latencies in Demand Response

Gregory Ledva, Evangelos Vrettos, Silvia Mastellone, Goran Andersson, Johanna Mathieu

Session 6 ES-Resilient Wed 10-11:30am Kuhio Theater
Pressure Fluctuations in Natural Gas Networks caused by Gas-Electric Coupling

Misha Chertkov, Michael Fisher, Scott Backhaus, Russell Bent, Sidhant Misra

Lambda-gaga: Toward a New Metric for the Complex System State of the Electrical Grid

Benjamin Carreras, David Newman, Ian Dobson

Vulnerability Assessment for Interdependent Gas and Electricity Networks

Christina Jaworsky, Catalina Spataru, Konstantin Turitsyn

Rapid Assessment, Visualization and Mitigation of Cascading Failure Risk in Power Systems

Pooya Rezaei, Margaret Epstein, Paul Hines

Session 7 ES-Economics Wed 2-3:30pm Kuhio Theater

The Response of Investors in Publicly-Traded Utilities to Blackouts

Oladipu Ositelu, Seth Blumsack

§ Can Energy Bids from Aggregators Manage Deferrable Demand Efficiently?

Hao Lu, Woo-Young Jeon, Tim Mount, Alberto Lamadrid

Multiple Equilibria in Oligopolistic Power Markets with Feed-in Tariff Incentives for Renewable Energy Generation

Enzo Sauma, Miguel Perez, Javier Contreras

Broader Regional Markets

Stephen Whitley

Session 8 ES-Distributed Wed 4-5:30pm Kuhio Theater

Harmonic Distortion in Microgrids and Distribution Systems with Photovoltaic Generators

Miroslav Begovic, Jun Zhang, Damir Novosel, Cho Namhun

Stochastic Modeling of Multi-Area Wind Power Production

Anthony Papavasiliou, Shmuel Oren, Ignacio Aravena

§ Optimization of Customer Subscription Rates to Electric Utility Tariffs

David Chassin, Yannan Sun, Abhishek Somani

Virtual Battery Models for Load Flexibility from Commercial Buildings

Justin Hughes, Alejandro Dominguez-Garcia, Kameshwar Poolla

ES - PLANNING SESSION
Thurs 8-9:30am Kuhio Theater

INFORMATION TECHNOLOGY IN HEALTHCARE

HC –Adoption Session 1 Wed 4-5:30pm Kauai

3 The Contribution of Office-based EMR Systems to the Performance of Family Physicians and Primary Care Medical Practices

Louis Raymond, Guy Paro, Ana Ortiz de Guinea, Placide Poba-Nzaou, Marie-Claude Trudel, Josianne Marsan, Thomas Micheneau

Barriers and Facilitators of Health Information Exchange (HIE) Adoption in the United States

Huixin Wu, Elizabeth LaRue

Technology Readiness through Collaborative Reflection: A Qualitative Case Study of an Under-Resourced Nurse-Managed Clinic

Charlotte Tang, Yunan Chen

HC –Adoption Session 2 Wed 8-9:30am Kauai 3

§ Contextualist Inquiry into Hospital Revenue Cycle Transformation: Bridging Research and Practice

Vitali Mindel, Lars Mathiassen

A Generic Simulation-based DSS for Evaluating Flexible Ward Clusters in Hospital Occupancy Management

Karsten Helbig, Thomas Stoeck, Taieb Mellouli

A Simulation Modeling Approach to Understanding Workflow Changes in Healthcare: The Case of CPOE Deployment at the Ottawa Hospital

Nsakanda, Gerald Grant, Maryam Vafei, Michelle Leafloor

HC –Adoption Session 3 Wed 10-11:30am Kauai 3

Resistance of Healthcare Information Technologies Literature Review, Analysis, and Gaps

Bahae Samhan, K.D. Joshi

Significance and Current Status of Integrated IT GRC in Health Care: An Explorative Study in Swiss Hospitals

Mike Krey

The Bright, Light, and Blind/Blank Spots in HIPAA Research: An Ontological Analysis

Arkalgud Ramaprasad, Thant Syn, Khin Than Win

HC –Adoption Session 4 Wed 2-3:30pm Kauai 3

Patient Compliance Behavior in a Mobile Healthcare System: An Integration of Theories of Rational Choice and Planned Behavior

Dezhi Wu, Dongsong Zhang, Paul Benjamin Lowry

Internet Health Promotion and Behavior Change Theory: An Integrated Model Applied to Internet Interventions to Enhance Prevention and Early Detection

Gordana Culjak, Nick Kowalenko, Mark Spranca, Christopher Tennant

Patient Portal Readiness (PPR) among the underserved: Impact of PHIM activities, health information seeking, and patient attitudes towards record keeping

Priya Nambisan

HC –Architectures Session 1 Thur 8-9:30am Kauai 3

Beyond a Technical Perspective: Understanding Big Data Capabilities in Health Care

Yichuan Wang, LeeAnn Kung, Chaochi Ting, Terry Byrd

§ Clinical Decision Support System for Opioid Substitution Therapy

Juha Kempainen, Jukka Korpela, Kalle Elfvingren, Jussi Polkko

#worldhealthday 2014: The Anatomy of a Global Public Health Twitter Campaign

Dan Dumbrell, Robert Steele

HC –Architectures Session 2 Thur 10-11:30am Kauai 3

Cooperation Benefits in the Establishment of Voluntary Inter-Organizational IT Governance for Healthcare and Social Welfare IT - A Case Study

Tommi Dahlberg

Health Drive: Mobile Healthcare Onboard Vehicles to Promote Safe Driving

Xiping Hu, Xitong Li, Edith C.-H. Ngai, Jidi Zhao, Victor C.M. Leung, Panos Nasiopoulos

Ontology Design for Supporting Decision Making in Self Care Homes

Reza Shojanoori, Radmila Juric

HC –Evidence Thur 3-4:30pm Kauai 3

§ Formative Research for mhealth HIV Adherence: The iHAART app

Rochelle Rosen, Megan Ranney, Edward Boyer

Social Impact Information as the Cause for the Formation of Ties in Enterprises Employing Individuals with Disabilities

Shogo Kamei, Masakazu Ohashi, Mayumi Hori

Real-Time Flu Monitoring System and Decision Informatics

Sonya Hsu, Ryan Benton, Raju Gottumukkala

Systematic inquiry for design of health care information systems: an example of elicitation of the patient stakeholder perspective

Jordan Eschler, Katie O'Leary, Logan Kendall, James Ralston, Wanda Pratt

HC –Global Session 1 Thur 10-11:30am Grand 6

G A Conceptual Model to Understand the Factors that Drive Individual Participation in Crowdsourcing for Medical Diagnosis

Kaushik Ghosh, Kabir Sen

Healthcare Informatics Competencies as Microfoundations of Dynamic Capabilities: Theory Development and Methodological Considerations

Michael Dohan, Norm Gale, Joseph Tanrand

HC –Global Session 2 Thur 1-2:30pm Kauai 3

A Cross-country Comparison of Success Factor Priorities for Health Information Technology Managers: Evidence of Convergence in the Nordic Countries

Thi Thanh Hai Nguyen, Tom Roar Eikebrokk, Carl Erik Moe, Rony Medaglia, Hannu Larsson, Tommi Tapanainen

Global Health Information Technology Solutions for a Community Health Innovation Framework

Mohan Tanniru, Linda Kaljee, Ben Eveslage, John Zervos, Dana Parke, Tyler Prentiss, Nineetha Turaka, Shilpa Konkani

Toward Global Health Interoperability: A Research Framework for Traditional Chinese Medicine Using Ontology as a Knowledge Management Approach

Au Vo, Kun Liu, Thomas Horan, Yusheng He

HC-HCI Session 1 Tue 8-9:30am Grand 5

Can We Trust Online Physician Ratings? Evidence from Cardiac Surgeons in Florida

Feng Lu, Huaxia Rui

Designing Patient-Centered mHealth Technology Intervention to Reduce Hospital Readmission for Heart-Failure Patients

Ala Alluhaidan, Edward Lee, Nagla Alnosayan, Samir Chatterjee, Linda Houston-Feenstra, Wayne Dysinger, Mercy Kagoda

§ A Health Belief Messaging Framework and a Randomized Controlled Trial of an SMS-based Intervention for Cancer Patient Outcomes

Constantinos Coursaris, Sandra Spoelstra, Charles W. Given, Alla Sikorskii, Atreyee Majumder, Tracy DeKoekkoek, Monica Schueller, Barbara A. Given

HC-HCI Session 2 Tue 10-11:30am Grand 5

Extracting Consumer Health Expressions of Drug Safety from Web Forum

Ming Yang, Melody Kiang

The Relationship of Demographics to Consumers - Use of an Extended Range of E-Health Services

Soussan Djamasbi, Vance Wilson

Social Media, Big Data and Public Health Informatics: Ruminating behavior of Depression revealed through Twitter

Priya Nambisan, Zhihui Luo, Akshat Kapoor, Timothy Patrick, Ron Cisler

HC-Mobile Session 1 Tue 2-3:30pm Grand 5

A Taxonomy of mHealth Apps - Security and Privacy Concerns

Miloslava Plachkinova, Steven Andreas, Samir Chatterjee

A Context Aware Mobile Application for Physical Activity Promotion

Andreas Hamper

Towards a List of Heuristics to Evaluate Smartphone Apps

Targeted at Older Adults: A Study with Apps that Aim at Promoting Health and Well-being

Paula Alexandra Silva, Kelly Holden, Philipp Jordan

CarepariZn: Translating social comparison elements into a mobile solution to support weight loss

Farruch Kouliev, Carolin Durst, Nilmini Wickramasinghe

HC-Mobile Session 2 Tue 4-5:30pm Grand 5

ICT-Enabled Self-Management of Chronic Diseases: Literature Review & Analysis Using Value-Sensitive Design

Majid Dadgar, K.D. Joshi

Mobile Access for Patient Centered Care: The Challenges of Activating Knowledge through Health Information Technology.

Sajda Qureshi, Cherie Noteboom, Alice Schumaker

You need to get them where they feel it: Conflicting Perspectives on How to Maximize the Structure of Text-Message Psychological Interventions for Adolescents

Megan Ranney, John Patena, Margaret Thorsen, Kathleen Morrow, Rebecca Cunningham, Maureen Walton, Anthony Spirito, Doug Zatzick, Ed Boyer

HC – Learning Session 1 Tue 4-5:30am Kauai 3

TRANSFoRm: Implementing a Learning Healthcare System in Europe through embedding Clinical Research into Clinical Practice

Sarah Lim Choi Keung, Lei Zhao, Vasa Curcin, Jean-Francois Ethier, Anita Burgun, Mark McGilchrist, Piotr Brodka, Anna Andreasson, Brendan Delaney, Theodoros Arvanitis

Tell it Like it Seems: Challenges Identifying Potential Requirements of a Learning Health System

Allen Flynn, Jodyn Platt, Johmarx Patton

A Study to Evaluate the Effectiveness of the currently utilized Acute Kidney Injury (AKI) Alert: A Use Case Example for a Learning Health System

Dilhari DeAlmeida, Mohammed Al-Jaghbeer, Mervat Abdelhak, John Kellum

HC – Learning Session 2 Wed 8-9:30am Kauai 2

A Neuro-fuzzy System with Semi-supervised Learning for Bad Debt Recovery in the Healthcare Industry

Donghui Shi, Jozef Zurada, Jian Guan

§ Creating a Data Science Platform for Developing Complication Risk Models for Personalized Treatment Planning in Radiation Oncology

Fumbeya Marungo, Scott Robertson, Harry Quon, John Rhee, Hilary Paisley, Russell Taylor, Todd McNutt

§ Text Mining the EMR for Modeling and Predicting Suicidal Behavior Among US Veterans of the 1991 Persian Gulf War

Alon Ben-Ari, Kenric Hammond

HC – Learning Session 3 Wed 10-11:30pm Kauai 2

Leveraging Contextual Inquiry Methods to Empower Patients in a Learning Health System

Sanjeev Kumar, Theodore Hanss, Lynn Johnson, Charles Friedman, Katherine Donaldson, Kathleen Omollo, Janee Tyus, Joshua Rubin

§ Review of Research on Knowledge Transfer in Care Transitions: Trust Enhancing Principles for Information Systems Design

Shi Ying Lim, Sirkka Jarvenpaa, Holly Lanham

Administrative claim data to learn about effective healthcare collaboration and coordination through social network

Shahadat Uddin, Arif Khan, Mahendra Piraveenan

INTERNET AND THE DIGITAL ECONOMY

IN-Diffusion Session 1 Wed 8-9:30am Garden Isle 1

The Multi-Layers of Digital Exclusion in Rural Australia

Sora Park, Julie Freeman, Catherine Middleton, Matthew Allen, Robin Eckermann, Richard Everson

Self-Disclosure in Online Interaction: A Meta-Analysis

Christine Bauer, Michael Schiffinger

Analysis of Mobile Broadband Service Penetration in Korea

Seonjin Shin, Joon Koh, Chenxi Hu, Sang-Joon Lee

IN-Diffusion Session 2 Wed 10-11:30am Garden Isle 1

Adoption of ICT Enabled Telehealth Services in the Australian Context: Implications of Technology Use for Telehealth Workers

Yvette Blount, Marianne Gloet

Herd Behavior in Technology Adoption: the Role of Adopter and Adopted Characteristics

Mirmahdi Darban Hosseini Amirkhiz

Looking Past Planned and Habitual IT Use

Anssi Oorni, Kalle Lyytinen

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

Tommi Laukkanen

IN-E-Commerce Session 1 Tue 10-11:30am Garden Isle 1
Generating Trust in Online Consumer Reviews through Signaling:
An Experimental Study
Tobias Riasanow, Hua (Jonathan) Ye, Suparna Goswami
Trust Transference from Brick to Click Retailers: A Conceptual
Model for Impersonal Trust
Talal M. I. Alsaif, Ahmad Ghoneim
Conceptualization and Realization of Agile Building Blocks for a
User-Configurable Trading Platform
Moritz Christian Weber

IN-E-Commerce Session 2 Tue 2-3:30pm Garden Isle 1
Customer Service on Social Media: The Effect of Customer
Popularity and Sentiment on Airline Response
Priyanga Gunarathne, Huaxia Rui, Avi Seidmann

§ Pricing Strategies of Mobile Apps and their Effects on Piracy :
An Empirical Study
Hoon Seok Choi
Collective Dynamics of Crowdfunding Networks
Oliver Posegga, Matthaues Paul Zylka, Kai Fischbach

IN-E-Commerce Session 3 Tue 4-5:30pm Garden Isle 1
Effect of IT Trading Platform on Financial Risk-Taking and
Portfolio Performance
Moustafa Abu EL Fadl, Boris Abbey, Kyungsub Choi
Purchasing Behavior in Free to Play Games: Concepts and
Empirical Validation
Nicolai Hanner, Ruediger Zarnekow
Consistency or Complementarity? Optimizing Multi-Channel
Selling Based on Online Click-Through Data
Essi Poyry, Petri Parvinen, Richard McFarland

IN-Electronic Session 1 Thur 8-9:30am Kauai 2
§ Paper or Screen - Differences in Customer Preferences and
Willingness to Pay between Traditional and Digital Content
Services
*Benedikt Berger, Christian Matt, Dennis Steininger,
Thomas Hess*
Factors Affecting Consumer Satisfaction of Online Purchase
Theresa Lauraeus, Timo Saarinen, Anssi Oorni
Modeling Correlated Effect and Random Effect of Advertising and
Word-of-Mouth on Product Diffusion
Cenyng Yang, Cheng Zhang

IN-Electronic Session 2 Thur 10 -11:30am Kauai 2
What Drives Consumers to Click on Social Media Ads? The
Roles of Content, Media, and Individual Factors
En Mao, Zhang Jing
A Mixed-Methods Approach to Disclose the Influence of Twofold
Information Usefulness on Sales
Libo Liu, Sijie Ren, Long Song, Kristijan Mirkovski
A Two-Tiered Recommender System for Tourism Product
Recommendations
Young Ryu, Il Young Choi, Jae Kyeong Kim
The Priming Effects of Relevant and Irrelevant Advertising in
Online Auctions
*Alan Dennis, Lingyao Yuan, Christine Hsieh, Xuan Feng,
Aleesha Hedge, Eric Webb*

IN-Electronic Session 3 Thur 1-2:30pm Kauai 2
Special Session - 3D Printing and Wearable Technology: How
Emerging Technological Trends will Shape Consumer Creativity
and Intellectual Property
Leyland Pitt

IN-Global Thur 8-9:30am Garden Isle 1
The Competing Values of Hackers: The Culture Profile that
Spawned the Computer Revolution
Sune Muller, Frank Ulrich
The relationship between online engagement and users'
perceived benefits: Exploring the differences among rural and
urban internet users
Gwangjae Kim, Sora Park

§ Determinants of Social Network Adoption: A Country-Level
Analysis
Gregory Larosiliere, Christian Meske, Lemuria Carter
C-SenZ-IS: a Customizable Sensor IS Model for Energy Efficient
SaaS
Victor Lawson, Richard Watson, Lakshmish Ramaswamy

IN-Organizational Tue 8-9:30am Garden Isle 1
Why Do People Play Games? - A Review of Studies on Adoption
and Use
Juho Hamari, Lauri Keronen, Kati Alha

§ Brand Memory, Attitude, and State Aggression in Violent
Games
Eui Jun Jeong, Hye Rim Lee, Jung Hyun Woo
I'm not a Transvestite: Antecedents and Consequences of Gender
Swapping in Online Games
Haeyeop Song, Jaemin Jung

IN-Innovative Session 1 Thur 10-11:30am Garden Isle 1
§ Comparing the Configuration of Privacy Settings on Social
Network Sites Based on Different Default Options
Markus Tschersich
Do Social Media Privacy Policies Matter? Evaluating the Effects of
Familiarity and Privacy Seals on Cognitive Processing
Ran Yang, Yu Jie Ng, Arun Vishwanath
§ Interaction Effects of Contextual Cues on Privacy Concern:
Experiment for Android Applications
Jie Gu, Yunjie Xu, Heng Xu, Hong Ling

IN-Innovative Session 2 Thur 1-2:30pm Garden Isle 1
Information privacy protection Practices in Africa: A Review
through the Lens of Critical Social Theory
Berhanu Borena, France Belanger, Dejene Ejigu
Investigating the correlation between intention and action in the
context of social engineering in two different national cultures
*Waldo Rocha Flores, Hannes Holm, Marcus Nohlberg,
Mathias Ekstedt*
Examining the impact of presence on individual phishing
victimization
*Brynne Harrison, Arun Vishwanath, Yu Jie Ng,
Raghav Rao*

IN-Innovative Session 3 Thur 4-5:30pm Garden Isle 1
Empowerment or control: Reconsidering employee security policy
compliance in terms of authorization
Soo Hyun Jeon, Anat Hovav
The Dark Side of the Insider: Detecting the Insider Threat Through
Examination of Dark Triad Personality Traits
Michele Maasberg, John Warren, Nicole L. Beebe
The Role of Social Status and Controllability on Employee Intent
to Follow Organizational Information Security Requirements
Salvatore Aurigemma, Thomas Mattson

IN-Web Mining **Thur 10-11:30am** **Garden Isle 2**
Text-Generated Fashion Influence Model: An Empirical Study on Style.com

Yusan Lin, Yilu Zhou, Heng Xu

§ USpam -- A User Centric Ontology Driven Spam Detection System

Muhammad Shoaib, Muddassar Farooq

Towards a Marketplace of Open Source Software Data

Fernando Silva Parreiras, Gerd Groener, Fernando de Freitas Silva, Daniel Schwabe

KNOWLEDGE SYSTEMS

KS- Cultural **Tue 2-3:30pm** **Kauai 1**
Inquiring Knowledge Management Systems - A Chinese Medicine Perspective

Catherine Han Lin, Angela Wei Hong Yang, Siddhi Pittayachawan, Doug Vogel, Nilmini Wickramasinghe

The Role of Strategies of Practice-Based Learning for Becoming a Member of a Community of Practice

Torstein E. L. Hjelle

Fotohistorias: Participatory Photography as a Methodology to Elicit the Life Experiences of Migrants

Katya Yemifova, Moriah Neils, Bryce Newell, Ricardo Gomez

Contrasting Voting, Multi-Criteria Decision-Making, and Collaborative Decision-Making Using Election Results

James Elste, Travis Schweiger, David Croasdell

KS- Designing **Tue 4-5:30pm** **Kauai 1**
Evaluation of a Classification System for Best Practices

Meshari Alwazae, Paul Johannesson, Erik Perjons

§ Term Extraction and Disambiguation for Semantic Knowledge Enrichment: A Case Study on Initial Public Offering (IPO) Prospectus Corpus

Jie Tao, Omar El-Gayar, Amit Deokar, Yenling Chang

Handling Revision Inconsistencies: Creating Useful Explanations

Fabian Schmidt, Jorg Gebhardt, Rudolf Kruse

KS- Economics **Wed 8-9:30am** **Kauai 1**
Toward a Theory of Knowledge Economics: an information systems approach

Martin Hilbert

§ Knowledge Economics Based Upon a 4-Pillar-Model - A Field Report

Alexandra Kees

Topics on knowledge management: An empirical insight into articles published in the International Journal of Knowledge Management

Carsten Brockmann, Narcyz Roztock

KS- Intellectual **Wed 10-11:30am** **Kauai 1**
Knowledge security risk management in contemporary companies - toward a proactive approach

Ilona Ilvonen, Jari Jussila, Hannu Karkkainen, Tero Paivarinta

Assessing the Role of Security Education, Training, and Awareness on Insiders' Security-related Behavior: An Expectancy Theory Approach

AJ Burns, Tom Roberts, Clay Posey, Rebecca Bennett, Jim Courtney

Yours, Mine, or Ours: Discussing Ownership of Collaborative Works in the Cloud

Marilyn Phelps, Murray Jennex

KS- Knowledge Flows
Session 1 **Wed 2-3:30pm** **Kauai 1**

How Knowledge Management Systems Support Organisational Knowledge Creation - An In-depth Case Study

Dirk Basten, Bjoern Michalik, Mahmut Yigit

Social capital and usefulness of external knowledge: The moderating role of group affiliation

Heinz-Theo Wagner, Bernhard Moos

Computer System Unlearning in Individuals

Julee Hafner

Knowledge-Mediation and Boundary-Spanning In Global IS Change Projects

Susan Gasson

KS- Knowledge Flows
Session 2 **Wed 4-5:30pm** **Kauai 1**

§ What's in it for me? Conceptualizing the perceived value of knowledge sharing

Aliona von der Trenck, Fahame Emamjome, Tillmann Neben, Armin Heinzl

Network Sharing beyond Knowledge Sharing: The Mediating Role of Tertius Iungens Orientation in Social Media Contexts

Kee-Young Kwahk, Do-Hyung Park

Knowledge construction as movement via boundary constructions and dialogue

W. David Holford

A Collaborative Manufacturing Collective

Ken Dozier, David Chang

KS- Management Session 1 Thur 8-9:30am Kauai 1

§ Entrepreneurial Orientation and e-Business Capabilities of Manufacturing SMEs: An Absorptive Capacity Lens

Louis Raymond, Francois Bergeron, Anne-Marie Croteau, Jose St-Pierre

Innovation: Its Relationships with a Knowledge Sharing Climate and Interdisciplinary Knowledge Integration in Cross-functional Project Teams

Dong Kyoou Yoo

Capturing Value Through Knowledge and Innovation Management: Comparisons Across the Manufacturing and Services Sectors

Marianne Gloet, Daniel Samson

Knowledge Management Ethics: located within a governance framework

Suzanne Zyngier, Aarti Nagpal

KS- Management Session 2 Thur 10-11:30am Kauai 1

Motivating User Contributions in Online Knowledge Communities: Virtual Rewards and Reputation

Xiahua Wei, Wei Chen

The Effect of Organizational Levers and the Mediating Role of Individual Absorptive Capacity in Information System Innovation

Weiwei Wang, Yuqiang Feng, Luning Liu

OntoBio: A Biodiversity Domain Ontology for Amazonian Biological Collected Objects

Andrea Albuquerque, Jose Laurindo Campos dos Santos, Alberto Nogueira de Castro Junior

KS- Reports Thur 1-2:30pm Kauai 1

Eliciting User Needs for a Knowledge Management System to Align Training Programs with Processes and Policies in Large Organizations

J. Richard Kiper

Knowledge Management Success and Failure: 2 Case Studies

Steve Larson

§ New Inquiring Systems as Kernel Theories for Knowledge Management: The Case of the SenseMan System

James Parrish, James Courtney

Knowledge Creation and Loss within a Software Organization: An Exploratory Case Study

Davi Viana, Tayana Conte, Sabrina Marczak, Raymundo Ferreira, Cleidson de Souza

KS- Success Thur 3-4:30pm Kauai 1

The Impact of Role Conflict, Role Ambiguity, and Locus of Control on Organizational Knowledge Sharing Practices

Simon Cleveland, Timothy J Ellis

§ IT Resource and Competitive Advantage: Role of Knowledge Management Capability and Resource Commitment

Hongyi Mao, Shan Liu, Jinlong Zhang

The Knowledge Accumulation and Transfer in Open-Source Software (OSS) Development

Youngsoo Kim, Lingxiao Jiang

ORGANIZATIONAL SYSTEMS AND TECHNOLOGY

OS-Advances Tue 4-5:30pm Grand 1

Continuous Requirements Risk Profiling in Information Systems Development

Tuure Tuunanen, Tero Vartiainen, Mehdi Ebrahim, Murong Liang

LL-ADR: Action Design Research in Living Labs

Tanguy Coenen, Vincent Donche

Prescriptive Knowledge in IS Research: Conceptualizing Design Principles in Terms of Materiality, Action, and Boundary Conditions

Leona Chandra, Stefan Seidel, Shirley Gregor

OS-Big Data Session 1 Wed 8-9:30am Grand 1

Business analytics and continuous assurance: theoretical matters, practice issues and future directions

Catherine Hardy

Predictive Analytics-Driven Campaign Management Support Systems

Michael Goul, Sule Balkan, Dan Dolk

From Analytics-as-a-Service to Analytics-as-a-Consumer-Service: Exploring a New Direction in Business Analytics Research

Olivera Marjanovic

OS-Big Data Session 2 Wed 10-11:30am Grand 1

A framework for identifying and selecting measures to enhance BI-agility

Henning Baars, Heiko Hatter

How to Make Business Intelligence Agile: The Agile BI Actions Catalog

Robert Krawatzek, Barbara Dinter, Duc Anh Pham Thi

An Empirical Investigation of Operational Business Intelligence Perspectives to Support an Analysis and Control of Business Processes

Tom Hanel, Carsten Felden

OS-Big Data Session 3 Wed 2-3:30pm Grand 1

Organizational Sensemaking and Big Data Frames: Opportunity, Control and Data Limitation

Jacqueline Corbett, Jane Webster

Fusing Storage and Computing for the Domain of Business Intelligence and Analytics - Research Opportunities

Anna Queralt, Toni Cortes, Henning Baars,

Andre Brinkmann, Jonathan Marti

Process of big data analysis adoption: Defining big data as a new IS Innovation and examining factors affecting the process

Dal-woo Nam, Dong-woo Kang, SoungHie Kjm

OS-Business Session 1 Wed 4-5:30pm Grand 1

Towards Managing Business Process Variants within Organizations - An Action Research Study

Marcus Laumann, Philipp Zelnner, Wieland Appelfeller, Jonas May

Integrating Agile Software Development and Enterprise Architecture Management

Sebastian Hanschke, Jan Ernsting, Herbert Kuchen

§ Empirical Results for Application Landscape Complexity

Alexander Schneider, Thomas Reschenhofer, Alexander Schatz, Florian Matthes

OS-Business Session 2 Thur 8-9:30am Grand 1

Because Everybody is Different: Towards Understanding the Acceptance of Organizational IT Standards

Thomas Mueller, Sven Dittes, Frederik Ahlemann, Nils Urbach, Stefan Smolnik

Consolidating Enterprise Architecture Management Research

Svyatoslav Kotusev, Mohini Singh, Ian Storey

Exploring Enterprise Architecture Evaluation Practices: The Case of a Large University

Peter Andersen, Andrea Carugati, Morten Gruez Sørensen

OS-Business Session 3 Thur 10-11:30am Grand 1

Log-based Process Fragment Querying to Support Process Design

Karn Yongsiriwit, Ngoc Chan Nguyen, Walid Gaaloul

Towards a Generic Context Model for BPM

Oumaima Saidani, Selmin Nurcan

Cognitive Coordination in Large-Scale Enterprise Architecting: A Case Study

J. Alberto Espinosa, Frank Armour, Wai Fong Boh, Stephen Kaisler

OS-Collaboration Session 1 Thur 1-2:30pm Grand 4

Examining possible value system transitions: The case of smart mobility services

Timo Ali-Vehmas, Thomas Casey

A Social Network Analysis of a Coalition Initiative to Prevent Underage Drinking in Los Angeles County

Kar-Hai Chu, Elena Hoepfner, Thomas Valente, Luanne Rohrbach

Modularization and the Dynamics of Inter-organizational Collaboration: Producing and Bridging Spatial and Organizational Distances

Sonja Buxbaum-Conradi, Max-Peter Menzel, Sissy-Ve Basmer-Birkenfeld, Tobias Redlich, Pascal Krenz

OS-Collaboration Session 2 Thur 3-4:30pm Grand 4

Inter-Organizational Collaborative Dynamics and Role of Information Technology

Joao Baptista, Sirkka Jarvenpaa, Dorothy Leidner, Dragos Vieru, Moderator: Holly Lanham

OS-Digital Session 1 Thur 1-2:30pm Grand 1

The Digitization of News Aggregation: Experimental Evidence on Intention to Use and Willingness to Pay for Personalized News Aggregators

Oliver Oechslein, Mario Haim, Andreas Graefe, Thomas Hess, Hans-Bernd Brosius, Anton Koslow

Competing Values in the Era of Digitalization

Lena Hylving

Individually Perceived IS Slack Resources and Innovating with IT

Yasser Rahrovani, Alain Pinsonneault

OS-Digital Session 2 Thur 3-4:30pm Grand 1

§ Applying Options Thinking to Shape Generativity in Digital Innovation: An Action Research into Connected Cars

Fredrik Svahn, Rikard Lindgren, Lars Mathiassen

Value Chain creation through Digital Innovation: The Ebb and Flow of Communalities and Connectivity in a Networked Interorganizational System

Kristen Guth, Scott Poole

Characterizing Multiple Institutional Logics for Innovation with Digital Technologies

Sanja Tumbas, Theresa Schmiedel, Jan vom Brocke

OS-Enterprise Tue 8-9:30am Grand 1

Barriers to the adoption of Management Accounting processes in ERP systems environments

Ravi Seethamraju

New Implications for Customization of ERP Systems

Elin Uppstrom, Carl-Mikael Lann

Cloud ERP Adoption Opportunities and Concerns: The Role of Organizational Size

Bjorn Johansson, Amar Alajbegovic, Vasileios Alexopoulos, Achilles Desalermos

Organizational Factors Affecting Propensity to Adopt Cloud Computing

Euripidis Loukis, Niki Kyriakou

OS-Fast Lane Tue 4-5:30pm Grand 4

A Systematic Literature Review of Crowdsourcing Research from a Human Resource Management Perspective

Ricardo Buettner

Leveraging consumer technologies: Exploring determinants of smartphone use behaviors in the workplace

Michelle Carter, Stacie Petter

Viewing Turnover through a Wide-Angle Lens: Conceptualizing Locality Turnover

Jaime Windeler, Jo Ellen Moore, Cynthia Riemenschneider

OS-Governance & OS-Impacts***Session 1 Wed 8-9:30am Grand 4****OS-Governance**

An Argument for Centralization of IT Governance in the Public Sector

James Denford, Gregory Dawson, Kevin Desouza

IT Governance Theories and the Reality of SMEs: Bridging the Gap

Francois Bergeron, Anne-Marie Croteau, Sylvestre Uwizeyemungu, Louis Raymond

Do Powerful Technology Leaders Make a Difference in Firm Performance?

Joseph Taylor, Arvin Sahaym, Joseph Vithayathil

OS-Impacts

Are you on the edge of failure? Let the customer checkin tell you

Lei Wang, Ram Gopal, Ramesh Sankaranarayanan, Joseph Pancras

OS-Governance Session 2 Wed 10-11:30am Grand 4

The Influence of Middle Management on IT Alignment

Michael Milovich Jr., Dorothy Leidner, David Preston

The Role of IT Investment Consistency among the Enablers behind the Success of IT Deployment

Tomi Dahlberg, Hannu Kivijärvi, Timo Saarinen

Organizational Structure vs. Capabilities: Examining Critical Success Factors for Managing IT Service Delivery

Anna Wiedemann, Andy Weeger, Heiko Gewald

OS-Governance Session 3 Wed 2-3:30pm Grand 4
Towards a Cybernetics-Based Communication Framework for IT Governance

Jacques Coertze, Rossouw Von Solms

Enterprise Business Technology Governance: Three Technology-Governance Competencies to build board digital leadership capability

Elizabeth Valentine, Glenn Stewart

IT Governance Maturity: Developing a Maturity Model using the Delphi Method

Daniel Smits, Jos van Hillegersberg

OS-Governance Session 4 Wed 4-5:30pm Grand 4
Pertinence and feasibility of a unifying holistic approach of IT governance

Mohamed Makhoulouf, Oihab Allal-Cherif

§ From Theory to Practice-Barriers to Business-IT Alignment in Organizations Acting in Sweden

Mohamed El-Mekawy, Lazar Rusu, Erik Perjons, Karl-Johan Sedvall, Murat Ekici

§ On the Way to a Minimum Baseline in IT Governance: Using Expert Views for Selective Implementation of COBIT 5".

Yannick Bartens, Steven de Haes, Yannick Lamoen, Frederik Schulte, Stefan Voss

OS-Impacts Session 1 Tue 10-11:30am Grand 1
Impact of IT Intellectual Capital on IT Explorative-Exploitative Innovation Strategy and Performance

Eric T.G. Wang, Chi-Hsing Chiu, En Chen

Remade to Measure: Applying Impact Measurement Theory to Non-Profit Organizations - A Case Study

Michael Katell, Suszann Parker, Travis Warren, Hazel Taylor

Shaping Customer Confidence in Online Purchasing Decision: The role of DSS Tools Supporting an Information Aggregator

Otavio P. Sanchez, Paulo Henrique Silva e Costa, Paulo Goes

Community Involvement in Virtual Crowdsourcing Communities
Indika Dissanayake, Jie Zhang, Feirong Yuan, Jingguo Wang

OS-Impacts Session 2 Tue 2-3:30pm Grand 1
Success Within App Distribution Platforms: The Contribution Of App Diversity And App Cohesivity.

Victor Dibia

Recovering Household Preferences for Digital Entertainment

Jin Li, Zhiling Guo, Robert Kauffman

Are Groups Better than Individuals at Making Decisions? An Experimental Study on News vendor Problem

Tong Wu, Avi Seidmann

OS-Information Thur 8-9:30am Grand 4
Motivation and consequences of Internet and mobile phone usage among the urban poor in Kampala, Uganda

Esther Namatovu, Øystein Sæbø

The Start of a Journey to The Cloud in The Developing World: A Case Study of Egypt

Rania Fahim El-Gazzar

Information Asymmetries and Identification Bias in P2P Social Microlending

Frederick Riggins, David Weber

A Framing Analysis of African-American and Native-American Owned Micro-Enterprises: How can Information and Communication Technology Support their Development?

Jie Xiong, Sajda Qureshi, Teresa Trumbly Lamsam

OS-Organizational Thurs 10-11:30am Grand 4
Does Organizational Culture Matter in IT Outsourcing Relationships?

Parisa Aasi, Ivan Nunes, Lazar Rusu, Georg Hodosi

Institutional Drivers of Assimilation of Information Security Policies and Procedures in U.S. Firms: Test of an Empirical Model

Kevin Gallagher, Xiaoni Zhang, Vickie Gallagher

Digital Competence: A Multi-dimensional Conceptualization and a Typology in an SME Context

Dragos Vieru, Simon Bourdeau, Amelie Bernier, Severin Yapo

OS-Practice Wed 4-5:30pm Grand 5
§ Late To the Game: Assessing IT Integration Risk After the Acquisition Target Has Been Identified

Stefan Henningsson, William J. Kettinger

Examining the Role of Business Intelligence in Non-Profit Organizations to Support Strategic Social Goals

Richelle Oakley, Lakshmi Iyer, A.F. Salam

Managing Governance, Risk and Compliance for Post-Crisis Regulatory Change: A Model of IS Capabilities for Financial Organizations

Daniel Gozman, Wendy Currie

Researching Dynamic Phenomena in Complex Organizations: Collaborative Practice Research with Theory Triangulation

Jordan Eschler, Hazel Taylor, Shrikant Palkar

OS-Project Management Session 1 Tue 8-9:30am Grand 4
One Size Does Not Fit All - Contingency Approach on Relevance of IS Project Success Dimensions

Oleg Pankratz, Dirk Basten

Digital Fitness - Four Principles for Successful Development of Digital Initiatives

Nigel Melville

IS Project Success from Practitioner's Perspective: Evidences from India

Rahul Thakurta

"They do not get along without us and we do not get along without them" - Uncertainty in Information System Development

Taru Salmimaa, Riitta Hekkala, Samuli Pekkola

OS-Project Management Ses. 2 Tue 10-11:30am Grand 4
Trajectory of IT artifacts in live routines: Organizing project-based workforce in professional services through Enterprise Systems

Merja Mattila, Matti Rossi, Joe Nandhakumar

Project Evaluation: A Mixed-Method Study into Dilemmas in Continuation Decisions

A. Arviansyah, Yvette ter Halle, Ton Spil, Jos van Hillegersberg

Knowledge in Software-Maintenance Outsourcing Projects: Beyond the Integration of Business and Technical Knowledge

Oliver Krancher, Jens Dibbern

OS-Project Management Ses. 3 Tue 2-3:30pm Grand 4
What Determines Information Systems Project Performance? A Narrative Review and Meta-Analysis

Konrad Dongus, Simon Ebert, Michael Schermann, Helmut Krcmar

The adoption of agile management practices in a traditional project environment: An IT/IS Case Study

Hany Wells, Darren Dalcher, Hedley Smyth

Project-based Organizing: The Unexpected Trajectory of the Project to the Crisis

Magali Simard, Danielle Laberge

The Impacts of Program Goal Ambiguity on Inter-team Integrative Conflict Management during IT Program Implementation: Theory of Controversy

James J. Jiang, Jacob C.A. Tsai, Jamie Y.T. Chang, Houn-Gee Chen

OS-Society Session 1 Tue 4-5:30pm Grand 6

The Perils of Online Manipulation

Shun-Yang Lee, Liangfei Qiu, Andrew Whinston

The Question of Ownership in a Sharing Economy

Thomas Weber

§ When Cellular Capacity Meets WiFi Hotspots: A Smart Auction System for Mobile Data Offloading

Liangfei Qiu, Huaxia Rui, Andrew Whinston

OS-Society Session 2 Wed 8-9:30am Grand 5

§ The Impact of Twitter Adoption on Decision Making in Politics

Reza Mousavi, Bin Gu

The Role of Environmental Information Disclosure Systems and their Impacts on Firm Performance

Soyoung Yoo, Ingoo Han

Virtual Team Performance in Crowdsourcing Contests: A Social Network Perspective

Indika Dissanayake, Jie Zhang, Bin Gu

OS-Society Session 3 Wed 10-11:30am Grand 5

Overcoming Free-Riding in Information Goods: Sanctions or Rewards?

Matthew Hashim, Jesse Bockstedt

Improving Internet Security Through Mandatory Information Disclosure

Qian Tang, Andrew Whinston

Mechanism Design for Near Real-Time Payment and Settlement Systems

Zhiling Guo, Robert Kauffman, Mei Lin, Dan Ma

OS-Theories Session 1 Thur 8-9:30am Grand 5

Differentiating Post-Implementation Change Behaviors Towards Information Technology

Saggi Nevo, Dorit Nevo, Alain Pinsonneault

Exploring the Impact of IS theory on Health Informatics

Sophie Cockcroft

Identifying Theories Used in North American IS Research: A Bottom-Up, Computational Approach

Daniel Soper, Ofir Turel

Identifying Theories Used in North American IS Research: A Bottom-Up, Computational Approach

Daniel Soper, Ofir Turel

OS-Society Session 4 & OS-Ethical*

Wed 2-3:30pm

Grand 5

Do Investors Read Too Much into News? How News Sentiment Causes Price Formation

Stefan Feuerriegel, Sebastian Felix Heitzmann, Dirk Neumann

OS-Society

Students' and Parents' Attitudes towards Online Privacy: An International Study

Eric Clemons, Joshua Wilson

OS-Society

Evolvement of Information Security Research on Employees Behavior A Systematic Review and Future Direction

Mohamed Alaskar, Shahper Vodanovich, Kathy Ning Shen

OS-Ethical

OS-Theories Session 2 Thur 10-11:30am Grand 5

§ Crafting Theory to Satisfy the Requirements of Interpretation

Allen Lee, Dirk Hovorka

What is an Information System?

Sebastian K Boell, Dubravka Cecez-Kecmanovic

A Meta-Model for Inferring Inter-Theory Relationships of Causal Theories

Roland M. Mueller

OS-Topics Session 1 Thur 1-2:30pm Grand 5

A Systemic Approach for Evaluating and Developing IT Outsourcing Measurement Systems

Hannu Kivijärvi, Jussi Toikkanen

Performance Management Information Systems as IT Artefacts: Characterization and Theorization from the User's Perspective

Marie Marchand, Louis Raymond

Quality Dimensions of the Delone-Mclean Model to Measure User Satisfaction: an Empirical Test on the Information Security Context

Gustavo Percio Zimmermann Montesdioca, Antonio Carlos Masada

OS-Topics Session 2 Thur 3-4:30pm Grand 5

How much Flexibility is good for Knowledge Intensive Business Processes: A Study of the Effects of Informal Work Practices

Malte Unger, Henrik Leopold, Jan Mendling

Flexibility vs. Structure: How to Manage Reliably Continuously Emerging Threats in Malware Protection

Antti Salovaara, Kalle Lyytinen, Esko Penttinen

Real Options and Subsequent Technology Adoption: An ERP System Perspective

Joseph Nwankpa, Yaman Roumani

SOFTWARE TECHNOLOGY

ST-AgileOrg Session 1 Tue 8-9:30am Kauai 6

§ The Economic Impact of Software Development Process Choice: Cycle-time Analysis and Monte Carlo Simulation Results

Troy Magennis

Success Factors of Agile Information Systems Development: A Qualitative Study

Markus Hummel, Alexander Epp

Adaptive Finance & Control: Combining Lean, Agile and Beyond Budgeting for Financial and Organizational Flexibility

Rami Sirkio, Maarit Laanti

ST-AgileOrg Session 2 Tue 10-11:30am Kauai 6

Agile Enterprise Metrics

Daniel Greening

Using a Large Whiteboard Wall to Support Software Development Teams

David Socha, Troy Frever, Chunchao Zhang

ST-AgileSoftware Session 1 Tue 2-3:30pm Kauai 6

Do Daily Scrums have to take place each Day? A Case Study of Customized Scrum Principles at an E-Commerce Company

Daniel Pauly, Bjoern Michalik, Dirk Basten

Evaluating the Use of Pair Programming and Coding Dojo in the Teaching of Mockups Development: An Empirical Study

Bernardo Estacio, Natasha Valentim, Luis Rivero,

Tayana Conte, Rafael Prikladnicki

Model-Driven Co-Evolution for Agile Development

Johannes Schoenboeck, Elisabeth Kapsamer, Angelika

Kusel, Werner Retschitzegger, Wieland Schwinger,

Jorgen Etzlstorfer

Usability Evaluation Practices within Agile Development

Tiago Silva da Silva, Milene Silveira, Frank Maurer

ST-AgileSoftware Session 2 Tue 4-5:30pm Kauai 6

The Effects of Team Backlog Dependencies on Agile Multiteam Systems: A Graph Theoretical Approach

Alexander Scheerer, Saskia Bick, Tobias Hildenbrand,

Armin Heinzl

Technology Frame Disruption and Collaboration Building During Short-Term Agile ISD Projects

Aaron Read, Joseph Clark

§ Rule Formation and Change in Information Systems

Development: How Institutional Logics Shape ISD

Nicholas Berente, Sean Hansen, Christoph Rosenkranz

ST-Analytical Wed 8-9:30am Kauai 6

Automating the Assessment of the Performance Quality Attribute for Evolving Software Systems: An Exploratory Study

Felipe Pinto, Uirj Kulesza, Leo Silva, Eduardo Guerra

Using Social Network Analysis to Inform Management of Open Source Software Development

Sanjeev Kumar

ST-Cloud Session 1 Wed 10-11:30am Kauai 6

Cloud Incident Data Analytics: Change-point Analysis and Text Visualization

Hsia-Ching Chang, Chen-Ya Wang

DDoS Attacks in Service Clouds

Sarra Alqahtani, Rose Gamble

Analysis of Implementations to Secure Git for Use as an Encrypted Distributed Version Control System

Russell Shirey, Kenneth Hopkinson, Kyle Stewart,

Douglas Hodson, Brett Borghetti

ST-Cloud Session 2 Wed 2-3:30pm Kauai 6

What is Really Going on at Your Cloud Service Provider? Creating Trustworthy Certifications by Continuous Auditing

Sebastian Lins, Scott Thiebes, Stephan Schneider,

Ali Sunyaev

§ PiMiCo: Privacy Preservation via Migration in Collaborative Mobile Clouds

Kaushik Ravichandran, Ada Gavrilovska, Santosh Pande

ST-Cybersecurity Session 1 Wed 4-5:30pm Kauai 6

Integrated metamodel for security analysis

Margus Vålja, Matus Korman, Khurram Shahzad,

Pontus Johnson

A generic process to identify vulnerabilities and design weaknesses in iOS (healthcare) apps

Christian D'Orazio, Kim-Kwang Raymond Choo

Evaluating the Use of Security Tags in Security Policy Enforcement Mechanisms

Jim Alves-Foss, Jia Song, Stuart Steiner, Lawrence Kerr,

A. Scott Amack

ST-Cybersecurity Session 2 Thur 8-9:30am Kauai 6

Embedded R&D for Cybersecurity in an Operational Environment

Luanne Goldrich, Lauren Davis, Daniel Miller,

Robert Gatlin

§ Automatic Search for a Maximum Probability Differential Characteristic in a SPN

Arnaud Bannier, Nicolas Bodin, Eric FILIOL

ST-CyberWarFare Thur 10-11:30am Kauai 6

Belief-based Decision Making for Service Migration

Yanjun Zuo

Cyber Operations Education: Building Capacity in a Priority Area

Kara Nance, Robert McGrew

Open Forum

ST-Digital Thur 1-2:30pm Kauai 6

Investigating the Impact of Global Positioning System Evidence

Kiyoshi Berman, William Glisson, Milton Glisson

§ Building a Forensic Computing Language

Vassil Roussev

Utilizing Network Science and Honeynets for Software Induced Cyber Incident Analysis

Napoleon Paxton, Dae-il Jang, Stephen Russell,

Gail-Joon Ahn, Ira Moskowitz, Paul Hyden

ST-FLOSS Thur 3-4:30pm Kauai 6

§ Understanding and Supporting the Choice of an Appropriate Task to Start With In Open Source Software Communities

Igor Steinmacher, Tayana Conte, Marco Aurolio Gerosa

Data Mining Behavioral Transitions in Open Source Repositories

William Robinson, Tianjie Deng

A Study of Demand-Driven Documentation in Two Open Source Projects

Jessica Andersson, Sofia Larsson, Morgan Ericsson,

Anna Wingkvist

FLOSS as a Source for Profanity and Insults: Collecting the Data

Megan Squire

ST-Innovations Tue 2-3:30pm Kauai 2

Improving Learning with eTextbooks

Alan Dennis, Kelly McNamara, Anastasia Morrone,

Joshua Plaskoff

CyberPhishing: A Game-based Platform Phishing Awareness Testing

Matthew Hale, Rose Gamble, Philip Gamble

ST-Product Lines Tue 8-9:30am Kauai 2

Modeling Product-Line Architectural Knowledge

Jessica Diaz, Jennifer Perez, Juan Garbajosa,

Carlos Fernandez-Sanchez

Variability Support in Architecture Knowledge Management Approaches: A Systematic Literature Review

Iris Groher, Rainer Weinreich

Evaluation of Variability Concepts for Simulink in the Automotive Domain

Carsten Kolassa, Holger Rendel, Bernhard Rumpe

Best practices for International eSourcing of software products and services from the service providers' perspective

Timo Kakola, Yikun Lu

ST-Wireless Session 1 Tues 8-9:30am Kauai 3

Where's the Security in WiFi? An Argument for Industry Awareness

Glen Sagers, Bryan Hosack, RJ Rowley, Doug Twitchell, Paul Vogt, Ranjitha Nagaraj

§ GSM to UMTS Network Handover Vulnerability Testing Using Software-Defined Radio

Carson McAbee, Murali Tummala, John McEachen

Analysis of the Robustness Dynamics of Wireless Mobile Ad Hoc Networks via Time Varying Dual Basis Representation

Thomas Parker, Jamie Johnson, Murali Tummala, John McEachen, Jim Scrofani

On PMIPv6-Based Mobility Support for Hierarchical P2P-SIP Architecture in Intelligent Transportation System

Byung-hun Song, Junho Shin, Seungwon Kim, Jongpil Jeong

ST-Wireless Session 2 Tues 10-11:30am Kauai 3

Location Estimation via Sparse Signal Reconstruction in Subsampled Overcomplete Dictionaries for Wireless 4G Networks

John Roth, Murali Tummala, John McEachen, Jim Scrofani, Allison Hunt

A Framework of Cooperative Cell Caching for the Future Mobile Networks

Xiaofei Wang, Xiuhua Li, Victor C. M. Leung, Panos Nasiopoulos

§ Modeling regional reliability of 2G, 3G and 4G mobile data networks and its effect on the German automatic tolling system

Bernd Pfitzinger, Tommy Baumann, Dragan Macos, Thomas Jestodt

§ BEST PAPER NOMINATIONS §

COLLABORATION SYSTEMS AND TECHNOLOGY

- CL - Enabled** **Thur 8-9:30am** **Grand 6**
 Designing a Mobile Collaboration Application for Student Collaborative Group Work: Evidence from China
Xusen Cheng, Jianhua Yu
- CL-Crisis** **Tues 10-11:30am** **Grand 3**
 Design Challenges/Solutions for Environments Supporting the Analysis of Social Media Data in Crisis Informatics Research
Kenneth Anderson, Ahmet Aydin, Mario Barrenechea, Adam Cardenas, Mazin Hakeem, Sahar Jambi
- CL-Global** **Wed 4-5:30pm** **Grand 7**
 Cognitive and Behavioral Leadership Coordination - Linking Shared Leadership to High Performance in Global Teams
Emma Nordbäck, Alberto Espinosa
- CL-Healthcare** **Tue 2-3:30pm** **Grand 7**
 Patients' Behavioral Intentions toward Using WSN based Smart Home Healthcare Systems: An Empirical Investigation
Ahmad Alaia, Lina Zhou
- CL-Negotiation** **Tue 2-3:30pm** **Grand 6**
 Cooperation in Face and Dignity Cultures: Role of Moral Identity and Gender
Zhaleh Semnani-Azad, Katia Sycara, Michael Lewis
- CL-Processes** **Tue 10-11:30am** **Grand 7**
 Individual Differences that Predict Interactions in Mixed-Initiative Teams
Bianca Zongrone, Doug Derrick
- CL-Serious Games** **Wed 10-11:30am** **Grand 5**
 Increasing intranet usage through gamification - insights from an experiment in the banking industry
Benedikt Morschheuser, Christian Henzi, Rainer Alt
- CL-Social Media** **Wed 4-5:30pm** **Grand 6**
 Not Just in it for the Money: A Qualitative Investigation of Workers' Perceived Benefits of Micro-task Crowdsourcing
Ling Jiang, Christian Wagner, Bonnie Nardi

DECISION ANALYTICS, MOBILE SERVICES, AND SERVICE SCIENCE

- DA-Analytics** **Thur 1-2:30pm** **Garden Isle 5**
 Multi-Layer Agent-Based Decision Making Model with Incomplete Information Game Theory to Study the Behavior of Market Participants for Sustainability
M. Shafie-khah, Joao P. S. Catalao
- DA-Big Data** **Tue 10-11:30am** **Garden Isle 5**
 Data Analytics in Free-Floating Carsharing: Evidence from the City of Berlin
Sebastian Wagner, Tobias Brandt, Dirk Neumann
- DA - Decision** **Thur 8-9:30am** **Garden Isle 5**
 MaXcept - Decision Support in Exception Handling through Unstructured Data Integration in the Production Context. An Integral Part of the Smart Factory.
Laura Bernadette Kassner, Bernhard Mitschang
- DA-ICT** **Tue 2-3:30pm** **Garden Isle 5**
 Requirements Elicitation and Utilization Scenarios for In-Car Use of Wearable Devices
Sabine Berghaus, Andrea Back

- DA-Interactive** **Tue 4-5:30pm** **Garden Isle 5**
 An Integrated In-Situ Approach to Impacts from Natural Disasters on Critical Infrastructures
Sebastian Mittelstodt, Xiaoyu Wang, Todd Eaglin, Dennis Thom, Daniel Keim, William Tolone, William Ribarsky
- DA-Economy** **Thur 3-4:30pm** **Garden Isle 5**
 Digital Technologies and the Changing Business Models in Creative Industries
Feng Li
- DA-Mobile** **Wed 2-3:30pm** **Garden Isle 2**
 A Post-Failure Analysis of Mobile Payment Platforms
Avinash Gannamaneni, Jan Ondrus, Kalle Lyytinen
- DA-Multi-Criteria** **Thur 1-2:30pm** **Garden Isle 2**
 Multi-Criteria Decision Support for Investment Decisions: Examining the Interactive Effects of Risk Profile, Information Horizon, and Prospect Format
Clayton Looney, Andrew Hardin
- DA-Open Data** **Wed 4-5:30pm** **Garden Isle 5**
 Complex Services and According Business Models – Design and Evaluation of an Analysis Framework in the Field of Telemedicine
Christoph Peters, Theresa Kromat, Jan Marco Leimeister
- DA-Science** **Tue 10-11:30am** **Garden Isle 2**
 Conceptual Framework for a Service-ecosystems Approach to Project Management
Pamela Clavier, Stephen Vargo
- DA-Smart** **Wed 8-9:30am** **Garden Isle 2**
 Smart Households and Home Energy Management Systems with Innovative Sizing of Distributed Generation and Storage for Customers
Ozan Erdinc, Nikolaos Paterakis, João P. S. Catalão, Iliana Pappi, Anastasios Bakirtzis
- DA-Soft Computing** **Wed 8-9:30am** **Garden Isle 4**
 Time Series Mining by Fuzzy Natural Logic and F-Transform
Vilem Novak, Irina Perfilieva
- DA- Web Mining** **Thur 10-11:30am** **Garden Isle 5**
 Enhancing Sentiment Analysis of Financial News by Detecting Negation Scopes
Nicolas Pröllochs, Stefan Feuerriegel, Dirk Neumann

DIGITAL AND SOCIAL MEDIA

- DSM-Communities** **Thur 1-2:30pm** **Garden Isle 4**
 To Give or not to Give? An Exploratory Study of User Beliefs Influencing Adoption of Facebook Gifts
Stanislav Mamonov, Raquel Benbunan-Fich
- DSM-Data Mining** **Tue 10-11:30am** **Kauai 5**
 Estimating Centrality Statistics for Complete and Sampled Networks: Some Approaches and Complications
Ju-Sung Lee, Juergen Pfeffer
- DSM-Enterprise** **Wed 10-11:30 am** **Kauai 5**
 The Influence of Social Media on Organizational Socialization
Ester Gonzalez, Dorothy Leidner, Hope Koch
- DSM-Ethical** **Wed 4-5:30pm** **Garden Isle 4**
 "Almost" "More Than" or "Truly" Human?: Examining Sci-fi TV Through the Lenses of Digital and Theological Anthropologies
Elizabeth Chapin

DSM-Intelligence **Thur 10-11:30am** **Kauai 5**

An Agent-Based Modeling analysis of helpful vote on online product reviews

Qianqian Liu, Elena Karahanna

DSM-Intelligence **Thur 10-11:30am** **Kauai 5**

New frontiers for Crowdsourcing: the Extended Mind

Roger Whitaker, Martin Chorley, Stuart Allen

DSM-Learning **Tue 4-5:30pm** **Kauai 5**

Adaptive Social Media Skills Trainer for Vocational Education and Training: Concept and Implementation of a Recommender System

Christina Di Valentin, Andreas Emrich, Johannes

Lahann, Dirk Werth, Peter Loos

DSM-Location **Thur 3-4:30pm** **Garden Isle 4**

Social and Personal Disclosure in a Location-Based Real Time Dating App

Colin Fitzpatrick, Jeremy Birnholtz, Jed R. Brubaker

DSM- Network **Wed 10-11:30am** **Garden**

Isle 4 Robustness of Network Centrality Metrics in the Context of Digital Communication Data

Ju-Sung Lee, Juergen Pfeffer

E-GOVERNMENT

EG-E-Justice **Tue 10-11:30am** **Kauai 4**

An Ontology-Based Approach for Retrieving Information from Disparate Sectors in Government: The Patent System as an Exemplar

Kincho Law, Siddharth Taduri, Gloria T. Lau, Jay Kesan

EG-ICT4D **Tue 4-5:30pm** **Kauai 4**

Mobile Broadband Affordability and the Global Digital Divide, An Information Ethics Perspective

Joseph Weiss, Girish Gulati, David J Yates, Lauren Yates

EG-Open **Wed 8-9:30am** **Kauai 4**

An International Survey of the Factors Influencing the Intention to use Open Government

Marlen Christin Jurisch, Markus Kautz, Petra Wolf, Helmut Krcmar

EG-Policies **Wed 10-11:30am**
Kauai 4 e-Government Stage Models: A Contextual Critique

Finn DeBri, Frank Bannister

EG-Secure **Wed 4-5:30pm** **Kauai 4**

Municipal E-Government Security: What is the greatest Challenge?

Timothy Perez

EG-Social Media **Thur 3-4:30pm** **Kauai 4**

What Makes Hyper-Local Online Discussion Forums Sustainable?

Claudia Lopez, Yu-ru Lin, Rosta Farzan

EG-Social Media **Thur 3-4:30pm** **Kauai 4**

Combating Rumor Spread on Social Media: The Effectiveness of Refutation and Warning

Pinar Ozturk, Huaye Li, Yasuaki Sakamoto

EG-Transformational **Tue 8-9:30am** **Kauai 1**

A Decision Enhancement Service for Stakeholder Analysis to Achieve Transformations in the Public Sector

Arjan Knol, Marijn Janssen, Henk Sol

ELECTRIC ENERGY SYSTEMS

ES-Monitoring **Tue 4-5:30pm** **Kuhio Theater**

On Bus Type Assignments in Random Topology Power Grid Models

Zhifang Wang, Robert Thomas

A Low-Rank Matrix Approach for the Analysis of Large Amounts of Power System Synchrophasor Data

Meng Wang, Joe Chow, Pengzhi Gao, Tony Jiang, Yu Xia, Scott Ghiocel, Bruce Fardanesh, George Stefopoulos, Yutaka Kokai, Nao Saito

ES-Monitoring **Wed 8-9:30am** **Kuhio Theater**

Spectral Decomposition of Demand-Side Flexibility for Reliable Ancillary Services in a Smart Grid

Prabir Barooah, Ana Busic, Sean Meyn

ES-Distributed **Wed 4-5:30pm** **Kuhio Theater**

Optimization of Customer Subscription Rates to Electric Utility Tariffs

David Chassin, Yannan Sun, Abhishek Somani

ES-Economics **Wed 2-3:30pm** **Kuhio Theater**

Can Energy Bids from Aggregators Manage Deferrable Demand Efficiently?

Hao Lu, Woo-Young Jeon, Tim Mount, Alberto Lamadrid

INFORMATION TECHNOLOGY IN HEALTHCARE

HC- Learning **Wed 8-9:30am** **Kauai 2**

Creating a Data Science Platform for Developing Complication Risk Models for Personalized Treatment Planning in Radiation Oncology

Fumbeya Marungo, Scott Robertson, Harry Quon, John Rhee, Hilary Paisley, Russell Taylor, Todd McNutt

HC- Learning **Tue 10-11:30am** **Kauai 2**

Review of Research on Knowledge Transfer in Care transitions: Trust Enhancing Principles for Information Systems Design

Shi Ying Lim, Sirkka Jarvenpaa, Holly Lanham

HC- Learning **Tue 10-11:30am** **Kauai 2**

Text Mining the EMR for Modeling and Predicting Suicidal Behavior Among US Veterans of the 1991 Persian Gulf War

Alon Ben-Ari, Kenric Hammond

HC-Adoption **Wed 8-9:30am** **Kauai 3**

Contextualist Inquiry into Hospital Revenue Cycle Transformation: Bridging Research and Practice

Vitali Mindel, Lars Mathiassen

HC-Architectures **Tue 8-9:30am** **Garden Isle 1**

Clinical Decision Support System for Opioid Substitution Therapy

Juha Kempainen, Jukka Korpela, Kalle Elfvingren, Jussi Polkko

HC-Evidence **Thur 3-4:30pm** **Kauai 3**

Formative research for mhealth HIV adherence: the iHAART app

Rochelle Rosen, Megan Ranney, Edward Boyer

HC-HCI **Tue 8-9:30am** **Grand 5**

A Health Belief Messaging Framework and a Randomized Controlled Trial of an SMS-based Intervention for Cancer Patient Outcomes

Constantinos Coursaris, Sandra Spoelstra, Charles W.

Given, Alla Sikorskii, Atreyee Majumder, Tracy

DeKoekkoek, Monica Schueller, Barbara A. Given

INTERNET AND THE DIGITAL ECONOMY

IN - Electronic **Wed 10-11:30am** **Garden Isle 1**

Paper or Screen - Differences in Customer Preferences and Willingness to Pay between Traditional and Digital Content Services

Benedikt Berger, Christian Matt, Dennis Steininger, Thomas Hess

IN - Global **Thur 8-9:30am** **Garden Isle 1**
Determinants of Social Network Adoption: A Country-Level Analysis

Gregory Larosiliere, Christian Meske, Lemuria Carter

IN - Innovative **Thur 10-11:30am** **Garden Isle 1**
Comparing the Configuration of Privacy Settings on Social Network Sites Based on Different Default Options

Markus Tschersich

IN - Innovative **Thur 10-11:30am** **Garden Isle 1**
Interaction Effects of Contextual Cues on Privacy Concern: Experiment for Android Applications

Jie Gu, Yunjie Xu, Heng Xu, Hong Lingl

IN - Organizational **Tue 8-9:30am** **Garden Isle 1**
Brand Memory, Attitude, and State Aggression in Violent Games

Eui Jun Jeong, Hye Rim Lee, Jung Hyun Woo

IN - Web Mining **Thur 10-11:30am** **Garden Isle 2**
USpam -- A User Centric Ontology Driven Spam Detection System

Muhammad Shoaib, Muddassar Farooq

IN-E-Commerce **Tue 2-3:30pm** **Garden Isle 1**
Pricing Strategies of Mobile Apps and their Effects on Piracy: An Empirical Study

Hoon Seok Choi

KNOWLEDGE SYSTEMS

KS - Economics **Wed 8-9:30am** **Kauai 1**
Knowledge Economics Based Upon a 4-Pillar-Model - A Field Report

Alexandra Kees

KS - Knowledge Flows **Wed 4-5:30pm** **Kauai 1**
What's in it for me? Conceptualizing the perceived value of knowledge sharing

Aliona von der Trenck, Fahame Emamjome, Tillmann Neben, Armin Heinzl

KS - Management **Thur 8-9:30am** **Kauai 1**
Entrepreneurial Orientation and e-Business Capabilities of Manufacturing SMEs: An Absorptive Capacity Lens

Louis Raymond, Francois Bergeron, Anne-Marie Croteau, Jose St-Pierre

KS - Reports **Thur 1-2:30pm** **Kauai 1**
New Inquiring Systems as Kernel Theories for Knowledge Management: The Case of the SenseMan System

James Parrish, James Courtney

KS - Designing **Tue 4-5:30pm** **Kauai 1**
Term Extraction and Disambiguation for Semantic Knowledge Enrichment: A Case Study on Initial Public Offering (IPO) Prospectus Corpus

Jie Tao, Omar El-Gayar, Amit Deokar, Yenling Chang

KS-Success **Thur 3-4:30pm** **Kauai 1**
IT Resource and Competitive Advantage: Role of Knowledge Management Capability and Resource Commitment

Hongyi Mao, Shan Liu, Jinlong Zhang

ORGANIZATIONAL SYSTEMS AND TECHNOLOGY

OS - Business **Wed 4-5:30** **Grand 1**
Empirical Results for Application Landspmpcape Complexity

Alexander Schneider, Thomas Reschenhofer, Alexander Schotz, Florian Matthes

OS-Theories Session 2 **Thur 10-11:30am** **Grand 5**

Crafting Theory to Satisfy the Requirements of Interpretation

Allen Lee, Dirk Hovorka

OS - Digital **Thur 3-4:30pm** **Grand 1**
Applying Options Thinking to Shape Generativity in Digital Innovation: An Action Research into Connected Cars

Fredrik Svahn, Rikard Lindgren, Lars Mathiassen

OS - Governance **Wed 4-5:30pm** **Grand 4**
From Theory to Practice-Barriers to Business-IT Alignment in Organizations Acting in Sweden

Mohamed El-Mekawy, Lazar Rusu, Erik Perjons, Karl-Johan Sedvall, Murat Ekici

OS - Governance **Wed 4-5:30pm** **Grand 4**
On the Way to a Minimum Baseline in IT Governance: Using Expert Views for Selective Implementation of COBIT 5"

Yannick Bartens, Steven de Haes, Yannick Lamoen, Frederik Schulte, Stefan Voss

OS - Practice **Wed 4-5:30pm** **Grand 5**
Late To the Game: Assessing IT Integration Risk After the Acquisition Target Has Been Identified

Stefan Henningsson, William J. Kettinger

OS - Society **Tue 4-5:30pm** **Grand 6**
When Cellular Capacity Meets WiFi Hotspots: A Smart Auction System for Mobile Data Offloading

Liangfei Qiu, Huaxia Rui, Andrew Whinston

OS - Society **Wed 8-9:30am** **Grand 5**
The Impact of Twitter Adoption on Decision Making in Politics

Reza Mousavi, Bin Gu

SOFTWARE TECHNOLOGY

ST - AgileOrg **Tue 8-9:30am** **Kauai 6**
The Economic Impact of Software Development Process Choice: Cycle-time Analysis and Monte Carlo Simulation Results

Troy Magennis

ST - AgileSoftware **Tue 4-5:30am** **Kauai 6**
Rule Formation and Change in Information Systems Development: How Institutional Logics Shape ISD

Nicholas Berente, Sean Hansen, Christoph Rosenkranz

ST - Cloud **Wed 2-3:30pm** **Kauai 6**
PiMiCo: Privacy Preservation via Migration in Collaborative iMobile Clouds

Kaushik Ravichandran, Ada Gavrilovska, Santosh Pande

ST - Cybersecurity **Thur 8-9:30am** **Kauai 6**
Automatic Search for a Maximum Probability Differential Characteristic in a SPN

Arnaud Bannier, Nicolas Bodin, Eric FILIOL

ST - Digital **Thur 1-2:30pm** **Kauai 6**
Building a Forensic Computing Language

Vassil Roussev

ST - FLOSS **Thur 3-4:30pm** **Kauai 6**
Understanding and Supporting the Choice of an Appropriate Task to Start With In Open Source Software Communities

Igor Steinmacher, Tayana Conte, Marco Aurolio Gerosa

ST - Wireless **Wed 8-9:30am** **Kauai 2**
GSM to UMTS Network Handover Vulnerability Testing Using Software-Defined Radio

Carson McAbee, Murali Tummala, John McEachen

ST - Wireless **Wed 10-11:30am** **Kauai 2**
Modeling regional reliability of 2G, 3G and 4G mobile data networks and its effect on the German automatic tolling system

Bernd Pfitzinger, Tommy Baumann, Dragan Macos, Thomas Jestodt