Toward an Agile Knowledge Connection of Employees with Regard to Business Processes ..............................................3436

Michael Leyer and Nina Claus

Integrating Knowledge and Learning Processes—Co-Chairs: Markus Bick, Jan Pawlowski, and Stefan Smolnik

Introduction to Integrating Knowledge and Learning Processes Minitrack ........................................................................3446

Markus Bick, Jan M. Pawlowski, and Stefan Smolnik

Data Mining and Support Vector Regression Machine Learning in Semiconductor Manufacturing to Improve Virtual Metrology .........................................................3447

Benjamin Lenz and Bernd Barak

Model of a Personalization-Based Agent System for Early Product Adoption Phases .........................................................3457

Michael J. Harnisch, Thomas Puchleitner, Manuela Reinisch, and Iris Uitz


Introduction to KM and Security: Protecting Intellectual Property Minitrack .................................................................3467

Alexandra Durcikova and Murray E. Jennex

A Formal Analysis of Fraud in Banking Sector ................................................................................................................3468

Partha Saha, N. Parameswaran, B.B. Chakraborty, and Ambuj Mahanti

Assessing Knowledge Loss Risk .......................................................................................................................................3478

Murray E. Jennex and Alexandra Durcikova

NASF in Twitter: An Entrepreneur’s Community of Practice Using Electronic Networks of Practice ..................................................3488

Tania Arriaga Azkarate and David Croasdell
Knowledge Economics—Co-Chairs: Carsten Brockmann and Narcyz Roztocki

Introduction to Knowledge Economics Minitrack .................................................. 3494

Carsten Brockmann and Narcyz Roztocki

Enhancing the Quality of Information in Inter-organizational Environmental Reporting

Information Systems ................................................................. 3495

Hans Thies and Katarina Stanoevska-Slabeva

The Theory of Crowd Capital ....................................................... 3505

John Prpić and Prashant Shukla

Shared Domain Knowledge in Strategic Green IS Alignment: An Analysis from the Knowledge-Based View .................................................. 3515

Fabian Loeser, Koray Erek, Felix Limbach, and Ruediger Zarnekow

To Share or Not to Share? Risks and Benefits of the External Knowledge Transfer .................................................. 3525

Julian Bahrs, Gergana Vladova, and Norbert Gronau


Introduction to Knowledge Flows: Knowledge Transfer, Sharing and Exchange in Organizations Minitrack .................................................. 3534

K.D. Joshi, Mark E. Nissen, and Lynne P. Cooper

Differential and Depreciation Effects of Shared Experience: Evidence from Software Projects .................................................. 3535

Keumseok Kang and Inkyoung Hur

Governing Individual Learning in the Transition Phase of Software Maintenance Offshoring: A Dynamic Perspective .................................................. 3543

Oliver Krancher and Sandra Slaughter

Knowledge Sharing in Peer-to-Peer Online Communities: The Effects of Recommendation Agents and Community Characteristics .................................................. 3553

Taha Havakhor and Rajiv Sabherwal

Proximity, Knowledge Transfer, and Innovation in Technology-Based M&As .................................................. 3563

Prescott C. Ensign, Samia Chreim, Ajax Persaud, and Chen-Dong Lin

Role of Inter-organizational Knowledge Networks in Innovation-driven Collaborations of Biotechnology Industry .................................................. 3573

Adel Mosleh and Henry Linger

Towards a Theory of Community Technology Centers: A Knowledge-Based Study .................................................. 3583

William Tibben

Vision Development as a Knowledge Creating Process .................................................. 3593

Alexander Kaiser, Birgit Feldhusen, and Birgit Fordinal
Knowledge Management in an Era of New Social Media: Risks and Opportunities—Co-Chairs: Robert M. Mason and Dianne P. Ford

Introduction to Knowledge Management in an Era of New Social Media: Risks and Opportunities Minitrack

Robert M. Mason and Dianne P. Ford

Customer Knowledge Contribution Behavior in Social Shopping Communities

Ivy L.B. Liu, Christy M.K. Cheung, and Matthew K.O. Lee

Just for the Fun of It? Towards a Model for Assessing the Individual Benefits of Employees’ Enterprise Social Software Usage

Maurice Kügler and Stefan Smolnik

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

Introduction to Knowledge Management Value, Success, and Performance Measurements Minitrack

Murray E. Jennex, Stefan Smolnik, and David Croasdell

Defining Leadership as an Influence on KM Success

Vince Scovetta and Timothy J. Ellis

Determining the Factors Influencing Enterprise Social Software Usage: Development of a Measurement Instrument for Empirical Assessment

Maurice Kügler, Stefan Smolnik, and Philip Raeth

Measuring Boundary Objects in an Attempt to Explain Innovativeness

Eugenia Y. Huang and Travis K. Huang

Success Factors in Process Performance Management for Services—Insights from a Multiple-Case Study

Josef Blasini and Susanne Leist

The Impacts of the Cognitive Nature of the Task and Psychological Empowerment on an Individual’s Knowledge Creation, Sharing, and Application

Shahnawaz Muhammed, William J. Doll, and Xiaodong Deng

Understanding Knowledge Transfer Dynamics in Information System Support: An Exploratory Study of Procurement System Support

Xuefei (Nancy) Deng and Ying Liu

Strategic Knowledge Management for Innovation and for Organizational Agility—Co-Chairs: Suzanne Zyngier and Jill Owen

Introduction to Strategic Knowledge Management for Innovation and for Organizational Agility Minitrack

Suzanne Zyngier and Jill Owen

Knowledge Management to Support Systematic Innovation Capability

Marianne Gloet and Danny Samson
Patterns of Knowledge Management Leadership and Delegation: Supporting an Agile Organization

*Suzanne Zyngier and Jill Owen*

Trajectory Mining on Capability Space: Its Concept and Potential Application

*Hiroshi Tsuji, Ryosuke Saga, Amrhit Tiwana, and Dietrich Albert*

Organizational Systems and Technology Track—Chair: Hugh Watson

Introduction to Organizational Systems and Technology Track

*Hugh J. Watson*

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

Introduction to Advances in Design Research for Information Systems Minitrack

*Joseph Walls, George Widmeyer, and Omar El Sawy*

An Information System Design Product Theory for Integrated Order, Transportation and Warehouse Management Systems

*Yikun Lu and Timo Käkölä*

Design Research Guidelines for Mindful IT Innovations: The Case of RFID Innovation in Supply Chain Management

*Jerrel Leung, Sung-Chi Chu, and Waiman Cheung*

IT Support for Business Process Innovation—Architectural Choices and Design Challenges

*Matthias Voigt, Kevin Ortbach, Ralf Plattfaut, and Björn Niehaves*

On the Veridicality of Claims in Design Science Research

*Ruba Aljafari and Deepak Khazanchi*

Thriving Systems Theory: An Emergent Information Systems Design Theory

*Leslie J. Waguespack and William T. Schiano*

Business Analytics, Business Intelligence, and Big Data—Co-Chairs: Robert Winter, Olivera Marjanovic, and Barbara Wixom

Introduction to Business Analytics, Business Intelligence, and Big Data Minitrack

*Robert Winter, Olivera Marjanovic, and Barbara H. Wixom*

A Study on the Effects of Empowerment and Habit on Continuance Usage of Pervasive Business Intelligence Systems

*Y.M. Han and C.K. Farn*

Factors that Influence Transportation Security Funding: A Data Mining Analysis on U.S. Airport Improvement Grants

*Ying Wang, Francis Andoh-Baidoo, and Jun Sun*

Leveraging Business Intelligence to Build Meta-knowledge

*Sanjay Mathrani and Anuradha Mathrani*

Situational Business Intelligence Maturity Models: An Exploratory Analysis

*David Raber, Felix Wortmann, and Robert Winter*
Towards a Business Intelligence Maturity Model for Healthcare

Patti Brooks, Omar El-Gayar, and Surendra Sarnikar

Understanding Information System Agility—The Example of Business Intelligence

Tobias Knabke and Sebastian Olbrich

Using Incentive Systems to Increase Information Quality in Business Intelligence: A Quasi-Experiment in the Financial Services Industry

Roland M. Mueller and Dalco Coppoolse


Introduction to Business and Enterprise Architecture: Processes, Approaches, and Challenges

Minitrack

Frank Armour, Steve Kaisler, and Edwin Huizinga

A Framework for Exploring Digital Business Ecosystems

Kari Korpela, Usva Kuusiholma, Ossi Taipale, and Jukka Hallikas

Alignment of Business and IT Architectures in the German Federal Government: A Systematic Method to Identify Services from Business Processes

Dominik Q. Birkmeier, Andreas Gehlert, Sven Overhage, and Sebastian Schlauderer

Enterprise Architecture Cybernetics and the Edge of Chaos: Sustaining Enterprises as Complex Systems in Complex Business Environments

Hadi Kandjani, Peter Bernus, and Sue Nielsen

Enterprise Architecture Documentation: Empirical Analysis of Information Sources for Automation

Matthias Farwick, Ruth Breu, Matheus Hauder, Sascha Roth, and Florian Matthes

Enterprise Architecture Quality Attributes: A Case Study

Eetu Niemi and Samuli Pekkola

Evaluate the E-Business Maturity of the Port of Alexandria

Rasha Ismail Fady

Reach and Range of Business Process Management—Findings in the Telecommunication and Chemical Industry

Jörg Becker, Kevin Ortibach, Ralf Plattfaut, and Björn Niehaves

Team Knowledge in Enterprise Architecting

J. Alberto Espinosa, Frank Armour, Wai Fong Boh, and Mark A. Clark

Transformative Influence of Business Processes on the Business Model: Classifying the State of the Practice in the Software Industry

Amir Bonakdar, Tobias Weiblen, Christina Di Valentin, Theresa Zeißner, Anton Pussep, and Markus Schief
Communication and Social Networks—Co-Chairs: Devan Rosen and George Barnett

Introduction to Communication and Social Networks Minitrack ................................................................. 3930

    Devan Rosen and George A. Barnett

Topological Analysis of Longitudinal Networks ............................................................................................... 3931

    Shahadat Uddin, Mahendra Piraveenan, Kon Shing Kenneth Chung, and Liaquat Hossain

Strategic Management of Other-Provided Information Online: Personality and Network Variables ........................................................ ................................................................. 3941

    Jian Rui and Michael A. Stefanone

Writing on the Wall: An Online “Community” of YouTube Patrons as Communication Network or Cyber-Graffiti? .............................................................................................................. 3951

    Mirit D. Shoham, Aarti B. Arora, and Adil Al-Busaidi

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

Introduction to Competitive Strategy, Economics, and IS Minitrack ............................................................ 3961

    Eric K. Clemons, Robert J. Kauffman, and Thomas A. Weber

Does It Pay Off to Bid Aggressively? An Empirical Study ............................................................................. 3962

    Philipp Herrmann, Dennis Kundisch, and Mohammad S. Rahman

Healthcare Security Strategies for Regulatory Compliance and Data Security .............................................. 3972

    Juhee Kwon and M. Eric Johnson

Information Exchange in Prediction Markets: Do Social Networks Promote Forecast Efficiency? .............. 3982

    Liangfei Qiu, Huaxia Rui, and Andrew Whinston

Quality Competition in the Security Software Market ....................................................................................... 3992

    Debabrata Dey, Atanu Lahiri, and Guoying Zhang

The Role of Trust in Successful Ecommerce Websites in China: Field Observations and Experimental Studies ........................................................ ................................................................. 4002

    Eric K. Clemons, Fujie Jin, Josh Wilson, Fei Ren, Christian Matt, Thomas Hess, and Noisian Koh

End-User Computing: Understanding the Familiar Unknown—Chair: Ray Panko

Introduction to Understanding the Familiar Unknown Minitrack .................................................................. 4012

    Raymond R. Panko

The Cognitive Science of Spreadsheet Errors: Why Thinking is Bad ............................................................ 4013

    Raymond R. Panko

What Kind of Interventions Can Help Users from Falling for Phishing Attempts: A Research Proposal for Examining Stage-Appropriate Interventions ................................................................. 4023

    Mary B. Burns, Alexandra Durcikova, and Jeffrey L. Jenkins
Enterprise System Integration: Issues and Answers—Co-Chairs: Gail Corbitt, Marinos Themistocleous, and Paulo Rupino da Cun

Introduction to Enterprise System Integration: Issues and Answers Minitrack ................................................................. 4033

Gail Corbitt, Marinos Themistocleous, and Paulo Rupino da Cunha

A Classification of Ecosystems of Enterprise System Providers—An Empirical Analysis .................................................. 4034

Katja Andresen, Carsten Brockmann, and Christina Dräger

A Contribution to Theory Building for the Successful Implementation of ERP and BPR—An Application of the Method of Stylized Facts .......................................................... 4045

Markus Reiter, Peter Fettke, and Peter Loos

Approaching Strategic Misalignment from an Organizational View of Business Processes .............................................. 4055

Don Heath, Rahul Singh, and Bernard Shephard

Efficiency and Innovation Oriented Business Value of Enterprise Systems Interoperability—An Empirical Investigation ........ 4065

Euripidis Loukis and Yannis Charalabidis

Evaluating the Performance on ERP Systems in King Saud University (KSU): A Stakeholders’ Perspective ........................ 4074

Mona Althonayan and Anastasia Papazafeiropoulou

Reducing Requirements Heterogeneity in Enterprise System Projects—A Case Study of Harmonizing and Optimizing Business Processes ......................................................... 4084

Björn Michalik, Marcus Keutel, Sebastian Müller, and Dirk Basten

The Influence of User Social Network on User Participation in ERP System Implementation ........................................... 4094

Pei-Hung Ju and Hsiao-Lan Wei

Human Capital and Computing: Exploring the Resources in Front of the Black Box—Co-Chairs: Cynthia Riemenschneider and Deb Armstrong

Introduction to Human Capital and Computing: Exploring the Resources in Front of the Black Box Minitrack .................. 4104

Cynthia Riemenschneider and Deborah J. Armstrong

Computer Personnel: A Brief Historical View of the People Who Make Digital Things Work ................................. 4105

Svetlana Krasteva and Fred Niederman

Understanding Customer-Oriented Organizational Citizenship Behavior in Information System Support: An Exploratory Study ................................................................. 4115

Xuefei (Nancy) Deng and Tawei Wang

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

Introduction to Information Issues in Supply Chain and in Service System Design Minitrack ......................................... 4125

Abraham Seidmann, Yabing Jiang, and Jie Zhang

A Theoretical Exploration for Supply Chain Leagility Capability: .................................................................................. 4126

Yuanfeng Cai and Dan Zhu
Design of Consumer Review Systems and Product Pricing 

Yabing Jiang and Hong Guo

4136

Information Systems and Coordination in Supply Chains 

Manoj Chandra and Aditya Saharia

4146

Manufacturer's Pricing Strategy for Mixed Retail and E-tail Channels 

Xu Chen and Jie Zhang

4154

Optimizing Physician Processing Rates with Priority Queues 

Abraham Seidmann, Balaraman Rajan, and Earl R. Dorsey

4163

Technology Investment Decision-Making under Uncertainty: The Case of Mobile Payment Systems 

Robert J. Kauffman, Jun Liu, and Dan Ma

4166

The Impact of Technology on the Labor Procurement Process 

Edieal Pinker and Vera Tilson

4176

Transportation Performances Measures and Metrics: Overall Transportation Effectiveness (OTE): A Framework, Prototype and Case Study 

Simon Dalmolen, Hans Moonen, Iliana Iankoulova, and Jos van Hillegersberg

4186

Information Technology for Development—Co-Chairs: Mehruz Kamal, Sajda Qureshi, and Narcyz Roztocki

Introduction to Information Technology for Development Minitrack 

Mehruz Kamal, Sajda Qureshi, and Narcyz Roztocki

4196

A Model of ICTs Adoption for Sustainable Development: An Investigation of Small Business in the United States and China 

Jie Xiong and Sajda Qureshi

4197

A Path to Socio-economic Development Using Cloud Computing 

Mehruz Kamal and Vishal Anand

4207

A Post-development Perspective on mHealth—An Implementation Initiative in Malawi 

Saptarshi Purkayastha, Twomge Davis Manda, and Terje Aksel Samner

4217

Information and Communications Technology in the Tourism Sector of the Maldives: An Institutional Perspective 

Vizaad Ali, Rowena Cullen, and Janet Toland

4226

Outsourcing Decisions of Small and Medium-Sized Enterprises: A Multiple-Case Study Approach in the German Software Industry 

Tommi Kramer, Lars Klimpke, and Armin Heinzl

4236

The Impact of ICT on Intermediation in the Microfinance Industry 

Frederick J. Riggins and David M. Weber

4246

Theory Building for ICT4D: The Use of Theory Triangulation in Case Study Research 

William Tibben

4256
IT and Entrepreneurship—Co-Chairs: Kay Nelson and Jim Nelson

Introduction to IT and Entrepreneurship Minitrack .................................................................................. 4266
  Kay M. Nelson and H. James Nelson

Antecedents of Community Source Network Formation: The Case of Kuali ................................................... 4267
  Manlu Liu, Clyde Eirikur Hull, and Yu-Ting Caisy Hung

Blended Startups: Combining IT with Social, Mobile, Instant Communities ................................................... 4277
  Bennett Cherry

Entrepreneurial Agency in Information Technology Creation ............................................................................ 4286
  Tony Thistoll, Val Hooper, and Pak Yoong