

# Proceedings of the Thirty-Fourth Annual Hawaii International Conference on

# System Sciences



[Getting Started](#)

[Preface](#)

[Overview](#)

[Tracks](#)

[Minitracks](#)

[Authors](#)

[History](#)

[Search](#)

**Maui, Hawaii January 3-6, 2001**

# Copyright

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

**Copyright © 2000 by the Institute of Electrical and  
Electronics Engineers, Inc. All rights reserved.**

**Copyright and Reprint Permissions:** Abstracting is permitted with credit to the source. Libraries may photocopy beyond the limits of US copyright law, for private use of patrons, those articles in this volume that carry a code at the bottom of the first page, provided that the per-copy fee indicated in the code is paid through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

Other copying, reprint, or republication requests should be addressed to: IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, P.O. Box 133, Piscataway, NJ 08855-1331.

The papers in this book comprise the proceedings of the meeting mentioned on the cover and title page. They reflect the authors' opinions and, in the interests of timely dissemination, are published as presented and without change. Their inclusion in this publication does not necessarily constitute endorsement by the editors, the IEEE Computer Society, or the Institute of Electrical and Electronics Engineers, Inc.

ISBN 0-7695-0981-9

HICSS Production Editor: Eileen Dennis, CMP

Editorial production: Bob Werner and Lorretta Palagi

Engineering by InControl Productions, Inc - [www.incontrolproductions.com](http://www.incontrolproductions.com)

Main Menu



# Tracks

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Collaboration Systems and Technology Track](#)
- ❑ [Complex Systems Track](#)
- ❑ [Decision Technologies for Management Track](#)
- ❑ [Digital Documents Track](#)
- ❑ [Emerging Technology Track](#)
- ❑ [Information Technology in Health Care Track](#)
- ❑ [Internet and the Digital Economy Track](#)
- ❑ [Organizational Systems and Technology Track](#)
- ❑ [Software Technology Track](#)

[Main Menu](#)

Click on title for Minitracks.

# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Collaboration Systems and Technology Track

---

*Chair: Jay F. Nunamaker, Jr.*

Introduction <-- Click on above title

- [Asynchronous Learning Networks](#)  
Chairs: Starr Roxanne and Hiltz Jerry Fjermestad
- [Collaborative Engineering of Processes and Systems](#)  
Chairs: Gert-Jan de Vreede, Douglas Vogel, Alexander Verbraeck and Henk G. Sol
- [Community Development and Technology](#)  
Chairs: Michael McQuaid and Queen Esther Booker
- [Distributed Group Support Systems](#)  
Chairs: Laku Chidambaram and Kelly Burke
- [Group Support Systems](#)  
Chairs: Joseph S. Valacich and Alan R. Dennis
- [Negotiation Support Systems](#)  
Chairs: Tung Bui and Melvin F. Shakun
- [Next Generation of Learning Platforms](#)  
Chairs: Dr. Joachim Schaper and Prof. Dr. Max Muehlhaeuser
- [Technology Supported Learning](#)  
Chairs: Bradley C. Wheeler and Eric L. Santanen

Main Menu

Tracks

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- [User Experience: Collaboration Systems and Knowledge Management](#)

Chair: Jay F. Nunamaker, Jr.



[Main Menu](#)

[Tracks](#)

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Complex Systems Track

---

*Chair: Robert J. Thomas*

Introduction <-- Click on above title

- [Information Management](#)  
Chairs: Dr. Robin Podmore and Prof. Thomas J. Overbye
- [Complex Systems Security and Reliability](#)  
Chair: Peter W. Sauer
- [Self-Organized Criticality](#)  
Chair: James S Thorp
- [Hybrid Dynamical Systems](#)  
Chair: Jagdish Chandra
- [Markets and Economics](#)  
Chair: Tim Mount

Main Menu

Tracks

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Decision Technologies for Management Track

---

*Chair: Dan Dolk*

Introduction <-- Click on above title

- [Agent-Based Simulation and System Dynamics](#)  
Chairs: Alok Chaturvedi, Jan Dickieson, Daniel R. Dolk and Jochen Scholl
- [Data Mining, Knowledge Discovery, and Information Retrieval](#)  
Chairs: H. Michael Chung and Fredric C. Gey
- [e-Services: Models and Methods for Design, Implementation, and Delivery](#)  
Chairs: Balasubramaniam Ramesh and Amrit Tiwana
- [Intelligent Systems and Soft Computing](#)  
Chairs: Christer Carlsson and Pirkko Walden
- [Intelligent Systems in Traffic and Transportation](#)  
Chairs: Hans-Jürgen Sebastian and Tore Gürnert
- [Modeling Knowledge Intensive Processes: Concepts, Methods, and Applications](#)  
Chairs: Kishore Sengupta and Balasubmaraniam Ramesh
- [UML: A Critical Evaluation and Suggested Future](#)  
Chairs: Graham McLeod, Hannu Kangassalo, Terry Halpin and Keng Siau

Main Menu

Tracks

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Digital Documents Track

---

*Chair: Stephen Smolliar*

Introduction <-- Click on above title

- [Crossing Collaborational Divides: Digital Documents in Socio-Technical Networks](#)  
Chairs: Elizabeth Davidson and Roberta Lamb
- [Digital Document Understanding and Communication](#)  
Chairs: James W. Cooper and Michael Shepherd
- [Digital Technology and Educational Culture](#)  
Chairs: Linda Glen Dembo and Daniel D. Suthers
- [Knowledge Management, Organizational Memory and Organizational Learning](#)  
Chairs: Joline Morrison and Lorne Olfman
- [Persistent Conversation: A Dialog Between Research and Design](#)  
Chairs: Thomas Erickson and Susan Herring
- [Digital Documents in the Office and Education](#)  
Chairs: Lynn Wilcox and Daniel M. Russell

Main Menu

Tracks

Click on title for a list of papers.





# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Emerging Technology Track

---

*Chairs: Ralph Sprague and Hesham El-Rewini*

Introduction <-- Click on above title

[E-Government](#)

Chairs: Michael Gisler, Matthias Günter and Dieter Spahni

[Standardisation in Information Technology](#)

Chairs: Kai Jakobs

[Waiting for the Web](#)

Chairs: Innes Ritchie and Chris Roast

[Nontraditional Computer Support for Design and User Evaluation](#)

Chairs: Martha E. Crosby, Marie K. Iding and David N. Chin

[Main Menu](#)

[Tracks](#)

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Information Technology in Health Care Track

---

*Chairs: William Chismar and Robert Mittman*

Introduction <-- Click on above title

[Health Care Data Management](#)

Chairs: Donald J. Berndt, James Studnicki, Paul J. Hu and Chih-Ping Wei

[Telemedicine](#)

Chairs: Paul J. Hu and Joseph K. Tan

[Data Mining for Healthcare Quality, Efficiency and Practice Support](#)

Chairs: Peri H. Iz, James Warren and Lisa Sokol

[Health Care: Specialized Industry or Novel Environment for IS Theory-Testing](#)

Chairs: Mike Chaisson and Elizabeth Davidson

[Strategies for Healthcare Information Systems](#)

Chairs: Ton A.M. Spil and Robert A. Stegwee

[Main Menu](#)

[Tracks](#)

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Internet and the Digital Economy Track

---

*Chairs: Dave King and Alan Dennis*

Introduction <-- Click on above title

- [Business-to-Business Electronic Commerce](#)  
Chairs: Judith Gebauer, Mike Shaw and Arie Segev
- [Communities in the Digital Economy Concepts, Models and Platforms](#)  
Chairs: Ulrike Lechner, Katarina Stanoevska and Yao-Hua Tan
- [Electronic Commerce Customer Relations Management](#)  
Chairs: Nicholas C. Romano, Jr.
- [E-Commerce in the Finance Industry](#)  
Chair: Hans-Dieter Zimmermann
- [E-Commerce Systems Development Methodologies](#)  
Chairs: Keng Siau, Matti Rossi and Sandeep Purao
- [Economics and Electronic Commerce](#)  
Chairs: Eric Clemons, Rajiv M. Dewan, Robert J. Kauffman and Yu-Ming Wang
- [Infrastructure for the Electronic Business on the Internet](#)  
Chair: V. Milutinovic
- [Internet & Workflow Automation: Technical & Managerial Issues](#)  
Chairs: Edward A. Stohr and J. Leon Zhao

Main Menu

Tracks

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Managing Information on the Web](#)

Chairs: Ting-Peng Liang, Michael J.P. Shaw and Chih-Ping Wei

- ❑ [Marketing in Electronic Commerce](#)

Chairs: Ajit Kambil, Arnold Kamis, Marios Koufaris, Priscilla Ann Labarbera and Paul F. Nunes

- ❑ [Virtual and Knowledge-Based Organization](#)

Chairs: Young-Gul Kim, Hee-Seok Lee and Ingoo Han

- ❑ [Web Engineering](#)

Chairs: Martin Gaedke, Daniel Schwabe and Gustavo Rossi

[Main Menu](#)

[Tracks](#)

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Organizational Systems and Technology Track

---

*Chair: Hugh Watson*

Introduction <-- Click on above title

[Community Informatics](#)

Chairs: Roger Harris, Robert Davison, Gert-Jan de Vreede, Doug Vogel and Michael Gurstein

[Creativity in Information Systems](#)

Chair: Brenda Massetti

[Data Warehousing](#)

Chairs: Barbara Wixom, Paul Gray and Hugh J. Watson

[ERP Issues and Answers](#)

Chairs: Gail Corbitt and James Mensching

[Information Systems in Global Business](#)

Chairs: Christopher Holland and Pieter M. Ribbers

[Knowledge/Technology Transfer and Adoption](#)

Chairs: David V. Gibson, Pedro Conceição and Tae Kyung Sung

[Moving the Organization to Convergent Technologies: e-Business and Wireless](#)

Chairs: Donald L. Amoroso and James Brancheau

[Professional Ethics in Information Systems](#)

Chairs: Robert Davison, Ned Kock, William Chismar and Duncan Langford

[Main Menu](#)

[Tracks](#)

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Project Management](#)  
Chair: Hans J. Thamhain, PhD, PMP
- ❑ [Research Methods and Approaches in Organizational Systems Research](#)  
Chairs: Sajda Qureshi, Gert-Jan de Vreede and Doug Vogel
- ❑ [Strategic and Competitive Information Systems](#)  
Chairs: Eric Clemons, Rajiv M. Dewan, Robert J. Kauffman and Yu-Ming Wang
- ❑ [Technology Management for Doing Business in the Knowledge Based Economy](#)  
Chairs: G. John van der Pijl, Pieter Ribbers and Martin Smits
- ❑ [Topics in Organizational Systems and Technology](#)  
Chair: R. M. Richards
- ❑ [Trends in Outsourcing of Information Systems](#)  
Chairs: Benoit A. Aubert and Suzanne Rivard

Main Menu

Tracks

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Software Technology Track

---

*Chair: Hesham El-Rewini*

Introduction <-- Click on above title

[Mobile Ad-Hoc Networking](#)

Chairs: Marco Conti and Silvia Giordano

[Quality of Service in Mobile Computing](#)

Chair: Jochen H. Schiller

[M-Commerce - Mobile Commerce: A New Frontier for E-Business](#)

Chair: Kalle Lyytinen

[Quality of Service in Web Services](#)

Chairs: Marco Conti and Mohan Kumar

[Collaborative Problem Solving Environments](#)

Chairs: Carmen M. Pancarella, James D. Myers, Christine L. Yang and Deborah K. Gracio

[Integrated Modeling of Distributed Software Systems and Workflow Applications](#)

Chairs: Mathias Weske and Guido Wirtz

[Enterprise Application Integration](#)

Chairs: Willem-Jan van den Heuvel, Jos van Hillegersberg, Willi Hasselbring and Kuldeep Kumar

Main Menu

Tracks

Click on title for a list of papers.



# Minitracks by Track

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Software Architecture](#)  
Chair: Rick Kazman
- ❑ [Software Engineering Tools](#)  
Chair: John Grundy
- ❑ [Advances in Software Specification and Verification](#)  
Chair: Ann E. Kelley Sobel and Richard C. Linger
- ❑ [Domain-Specific Languages for Software Engineering](#)  
Chairs: Marjan Mernik and Viljem Zumer
- ❑ [Trading of Intangible Goods](#)  
Chairs: Dimitri Konstantas, Eric Neuhold, Vaggelis Ouzounis, Fred Wall and Paul Moody
- ❑ [Novel Information Systems for Business to Business  
Electronic Commerce](#)  
Chairs: Karl Aberer, Jean-Henry Morin and Aris Ouksel

[Main Menu](#)

[Tracks](#)

Click on title for a list of papers.





**A B C D E F G H I**  
**J K L M N O P Q R**  
**S T U V W X Y Z**

Main Menu

Tracks

Colored letters and/or numbers are active links to the index.

## A

---

- [Advances in Software Specification and Verification](#)
- [Agent-Based Simulation and System Dynamics](#)
- [Asynchronous Learning Networks](#)

## B

---

- [Business-to-Business Electronic Commerce](#)

## C

---

- [Collaborative Engineering of Processes and Systems](#)
- [Collaborative Problem Solving Environments](#)
- [Communities in the Digital Economy Concepts, Models and Platforms](#)
- [Community Development and Technology](#)
- [Community Informatics](#)
- [Complex Systems Security and Reliability](#)
- [Creativity in Information Systems](#)
- [Crossing Collaborational Divides: Digital Documents in Socio-Technical Networks](#)

[Main Menu](#)

[Tracks](#)

Click on title for a list of papers.



## D

---

- [Data Mining for Healthcare Quality, Efficiency and Practice Support](#)
- [Data Mining, Knowledge Discovery, and Information Retrieval](#)
- [Data Warehousing](#)
- [Digital Document Understanding and Communication](#)
- [Digital Documents in the Office and Education](#)
- [Digital Technology and Educational Culture](#)
- [Distributed Group Support Systems](#)
- [Domain-Specific Languages for Software Engineering](#)

## E

---

- [E-Commerce in the Finance Industry](#)
- [E-Commerce Systems Development Methodologies](#)
- [Economics and Electronic Commerce](#)
- [E-Government](#)
- [Electronic Commerce Customer Relations Management](#)
- [Enterprise Application Integration](#)

[Main Menu](#)

[Tracks](#)



- ERP Issues and Answers
- e-Services: Models and Methods for Design, Implementation, and Delivery

## G

---

- Group Support Systems

## H

---

- Health Care Data Management
- Health Care: Specialized Industry or Novel Environment for IS Theory-Testing
- Hybrid Dynamical Systems

## I

---

- Information Management
- Information Systems in Global Business
- Infrastructure for the Electronic Business on the Internet
- Integrated Modeling of Distributed Software Systems and Workflow Applications
- Intelligent Systems and Soft Computing

Main Menu

Tracks



- Intelligent Systems in Traffic and Transportation
- Internet & Workflow Automation: Technical & Managerial Issues

## K

---

- Knowledge Management, Organizational Memory and Organizational Learning
- Knowledge/Technology Transfer and Adoption

## M

---

- Managing Information on the Web
- Marketing in Electronic Commerce
- Markets and Economics
- M-Commerce - Mobile Commerce: A New Frontier for E-Business
- Mobile Ad-Hoc Networking
- Modeling Knowledge Intensive Processes: Concepts, Methods, and Applications
- Moving the Organization to Convergent Technologies: e-Business and Wireless

Main Menu

Tracks



## N

---

- [Negotiation Support Systems](#)
- [Next Generation of Learning Platforms](#)
- [Nontraditional Computer Support for Design and User Evaluation](#)
- [Novel Information Systems for Business to Business Electronic Commerce](#)

## P

---

- [Persistent Conversation: A Dialog Between Research and Design](#)
- [Professional Ethics in Information Systems](#)
- [Project Management](#)

## Q

---

- [Quality of Service in Mobile Computing](#)
- [Quality of Service in Web Services](#)

[Main Menu](#)

[Tracks](#)



## R

---

- [Research Methods and Approaches in Organizational Systems Research](#)

## S

---

- [Self-Organized Criticality](#)
- [Software Architecture](#)
- [Software Engineering Tools](#)
- [Standardisation in Information Technology](#)
- [Strategic and Competitive Information Systems](#)
- [Strategies for Healthcare Information Systems](#)

## T

---

- [Technology Management for Doing Business in the Knowledge Based Economy](#)
- [Technology Supported Learning](#)
- [Telemedicine](#)
- [Topics in Organizational Systems and Technology](#)
- [Trading of Intangible Goods](#)

[Main Menu](#)

[Tracks](#)



# Minitracks

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- Trends in Outsourcing of Information Systems

## U

---

- UML: A Critical Evaluation and Suggested Future
- User Experience: Collaboration Systems and Knowledge Management

## V

---

- Virtual and Knowledge-Based Organization

## W

---

- Waiting for the Web
- Web Engineering

Main Menu

Tracks

Click on title for a list of papers.





## Advances in Software Specification and Verification

---

*Introduction <-- Click on above title*

- ❑ [Software Verification and Functional Testing with XML Documentation](#)  
Ernest J. Friedman-Hill
- ❑ [A New Verification Technique for Self-Stabilizing Distributed Algorithms Based on Variable Structure Systems and Ljapunov Theory](#)  
Oliver Theel
- ❑ [Application of Parametric Model Checking - The Root Contention Protocol](#)  
G. Bandini, R. L. Spelberg, R. C. H. de Rooij and W. J. Toetenel

Main Menu

Tracks

Minitracks



## Agent-Based Simulation and System Dynamics

---

*Introduction <-- Click on above title*

- ❑ [Agent-Based and System Dynamics Modeling: A Call for Cross Study and Joint Research](#)  
Hans J. Scholl
- ❑ [Implementing Recommendations as a Result of a System Dynamics Intervention](#)  
G. M. McGrath and B. Campbell
- ❑ [Manpower Forecasting: A Discrete-Event Object-Oriented Simulation Approach](#)  
Wilfred S. J. Geerlings, Alexander Verbraeck, Ron P. T. de Groot and Gino Damen
- ❑ [Emergent Supply Networks: System Dynamics Simulation of Adaptive Supply Agents](#)  
Henk Akkermans
- ❑ [Models for Understanding the Dynamics of Organizational Knowledge in Consulting Firms](#)  
Eliot Rich and Peter Duchessi
- ❑ [The Art of Leveraging: How Powerful Nonlinear Feedback Processes Can Restructure Rapidly Growing Technology and Knowledge Industries](#)  
Vedat G. Diker and Hans J. Scholl

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

## Asynchronous Learning Networks

---

*Introduction <-- Click on above title*

- ❑ [Becoming a Virtual Professor: Pedagogical Roles and ALN](#)  
Nancy Walters Coppola, Starr Roxanne Hiltz and Naomi Rotter
- ❑ [Enriching Asynchronous Learning Networks Through the Provision of Virtual Collaborative Learning Spaces: A Research Pilot](#)  
Donna Dufner, Ojong Kwon and William Rogers
- ❑ [Mandatory Participation in Asynchronous Learning Networks](#)  
Christian Hardless, Johan Lundin and Urban Nulden
- ❑ [Collaborative Examinations for Asynchronous Learning Networks: Evaluation Results](#)  
Jia Shen, Starr Roxanne Hiltz, Kung-E Cheng, Yooncheong Cho and Michael Bieber
- ❑ [Studies of ALN: An Empirical Assessment](#)  
David Spencer and Starr Roxanne Hiltz
- ❑ [CTER Online: Evaluation of an Online Master of Education Focusing on Curriculum, Technology and Education Reform](#)  
Sandra R. Levin, James A. Levin and Gregory L. Waddoups
- ❑ [A Comparative Content Analysis of Face-To-Face vs. ALN-Mediated Teamwork](#)  
Raquel Benbunan-Fich, Starr Roxanne Hiltz and Murray Turoff

Main Menu

Tracks

Minitracks

Click on title for a paper.



## Business-to-Business Electronic Commerce

---

*Introduction <-- Click on above title*

- ❑ [Business-to-Business E-Commerce: A Transition Model](#)  
Louis A. Lefebvre, Luc Cassivi and Élisabeth Lefebvre
- ❑ [Business Models for Internet-Based E-Procurement Systems and B2B Electronic Markets: An Exploratory Assessment](#)  
Qizhi Dai and Robert J. Kauffman
- ❑ [Theory of Interorganizational Systems: Industry Structure and Processes of Change](#)  
Shirley Gregor and Robert B. Johnston
- ❑ [The Impact of Information and Communication Technology on Interorganizational Coordination](#)  
Mariëlle den Hengst and Henk G. Sol
- ❑ [Towards XML-Enabling E-Commerce Infomediary - A Case Study in Cargo Tracking](#)  
Sheng-Tun Li and Li-Yen Shue
- ❑ [A Prototype for an Agent-Based Secure Electronic Marketplace Including Reputation Tracking Mechanisms](#)  
Boris Padovan, Stefan Sackmann, Torsten Eymann and Ingo Pippow

Main Menu

Tracks

Minitracks

## Collaborative Engineering of Processes and Systems

---

*Introduction <-- Click on above title*

- ❑ [On Inter-Organizational EC Collaboration the Impact of Inter-Cultural Communication Apprehension](#)  
Ron Chi-Wai Kwok, Matthew Lee and Efraim Turban
- ❑ [Computer Supported Complex Strategy Process: A Dynamic and Multicriteria Group Support System](#)  
Hannu Kivijärvi and Markku Tuominen
- ❑ [Collaborative Simulation Modeling: Experiences and Lessons Learned](#)  
R. Maghnouji, G. J. de Vreede, A. Verbraeck and H. G. Sol
- ❑ [Enhancing Participant Business Process Perception through Business Gaming](#)  
Timo Lainema
- ❑ [Collaborative Multi-Agents for Workflow Management](#)  
Huaiqing Wang and Dongming Xu

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

## Collaborative Problem Solving Environments

---

*Introduction <-- Click on above title*

- ❑ [SMAT: Synchronous Multimedia and Annotation Tool](#)  
Michelle Potts Steves, M. Ranganathan and Emile Morse
- ❑ [Engineering a Distributed Computational Collaboratory](#)  
Samian Kaur, Vijay Mann, Vincent Matossian, Rajeev Muralidhar and Manish Parashar
- ❑ [Building Collaborative Problem-Solving Environments as Shared Places](#)  
Lukasz Beca
- ❑ [Designing Grid-Based Problem Solving Environments and Portals](#)  
Gregor von Laszewski, Ian Foster, Jarek Gawor, Peter Lane, Nell Rehn and Mike Russell
- ❑ [Agent Based Service Integration for Distributed Problem Solving Environments](#)  
Omer F. Rana and David W. Walker
- ❑ [Collaborative Toolkit for Crashworthiness Research](#)  
A. Bobrek, S. Simunovic and G. Aramayo
- ❑ [Collaborative Evaluation of Early Design Decisions and Product Manufacturability](#)  
S. D. Kleban, W. A. Stubblefield, K. W. Mitchiner, J. L. Mitchiner and M. Arms

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Supporting Scientific Analysis Within Collaborative Problem Solving Environments](#)  
Velvin R. Watson
- ❑ [A Reconfigurable Component-Based Problem Solving Environment](#)  
K. A. Hawick, H. A. James and P. D. Coddington
- ❑ [Virtual Scientific Collaboration and Nonaka's Ba](#)  
John Towell and Elizabeth Towell



[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## Communities in the Digital Economy Concepts, Models and Platforms

---

*Introduction <-- Click on above title*

- ❑ [A Typology of Online Communities and Community Supporting Platforms](#)  
Katarina Stanoevska-Slabeva and Beat F. Schmid
- ❑ [The Role of Trust and Deception in Virtual Societies](#)  
Cristiano Castelfranchi and Yao-Hua Tan
- ❑ [UNIVERSAL - Design Spaces of Learning Media](#)  
Susanne Guth, Gustaf Neumann and Bernd Simon
- ❑ [A Conceptual Framework for Demographic Groups Resistant to Online Community Interaction](#)  
Dorine Andrews, Jennifer Preece and Murray Turoff
- ❑ [Working for Free? - Motivations of Participating in Open Source Projects](#)  
Alexander Hars and Shaosong Ou
- ❑ [Communities - Business Models and System Architectures: The Blueprint of MP3.com, Napster and Gnutella Revisited](#)  
Ulrike Lechner and Beat F. Schmid

Main Menu

Tracks

Minitracks



# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Computers Play the Beer Game: Can Artificial Agents Manage Supply Chains?](#)  
Steven O. Kimbrough, D. J. Wu and Fang Zhong
- ❑ [Knowledge Management in Action: Integrating Knowledge Across Communities](#)  
Jacky Swan



[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## Community Development and Technology

---

*Introduction <-- Click on above title*

- ❑ [Harvesting Community Knowledge](#)  
Sarai Lastra
- ❑ [Studying Communication Networks in Appalachian Kentucky  
Community Development Planning Processes](#)  
Eileen Markham Lewandowski
- ❑ [Tie Strength and the Impact of New Media](#)  
Caroline Haythornthwaite
- ❑ [Advancing Community Development and Public Policy  
through an MIS-Enhanced Network](#)  
Elizabeth Johnson, James Hinterlong, Michael Sherraden and Amanda Moore
- ❑ [Teledensity Technological Growth Strategy for Africa's LDCs:  
'Viagra' Development Strategy or Sustainable Development  
Strategy? - The African Telecommunications Stakeholders  
Speak](#)  
Victor W. Mbarika, Patrick R. McMullen and John Warren
- ❑ [Personal Resource Systems Management: Realizing the  
Potential of Our Common Interests](#)  
Barbara McFall

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Information Systems for Small Holder Agricultural Producers:  
The Mercosur Onion's Information Net](#)  
Gustavo Matocq, Esteban Tapella and Carlos Cattaneo
- ❑ [Cultural Relevance: Hip-Hop Music as a Bridge to the Digital  
Divide](#)  
Sharon D. White and Wanda F. Lester



[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## Community Informatics

---

*Introduction <-- Click on above title*

- [Virtual Community Knowledge Evolution](#)  
Michael Bieber, Douglas Engelbart, Richard Furuta, Starr Roxanne Hiltz, John Noll, Jennifer Preece, Edward Stohr, Murray Turoff and Bartel Van De Walle
- [Rural Development and Food Security A "Community Informatics" Based Conceptual Framework](#)  
Michael Gurstein
- [Community Informatics: Hope or Hype?](#)  
Bill Pitkin
- [The Role of Local Government in Community Informatics Success Prospects: The Autonomy/Harmony Model](#)  
Celia T. Romm and Wal Taylor

Main Menu

Tracks

Minitracks

## Complex Systems Security and Reliability

---

*Introduction <-- Click on above title*

- ❑ [Impact of Renewable Distributed Generation on Power Systems](#)  
M. Begovic, A. Pregelj, A. Rohatgi and D. Novosel
- ❑ [Multi-Area Probabilistic Reliability Assessment](#)  
Philip A. Fedora and Glenn E. Haringa
- ❑ [Min-Max Transfer Capability: A New Concept](#)  
D. Gan, X. Luo, D. V. Bourcier and R. J. Thomas
- ❑ [Network Control as a Distributed, Dynamic Game](#)  
Sarosh Talukdar and Eduardo Camponogara
- ❑ [Power System State Estimation: Modeling Error Effects and Impact on System Operation](#)  
A. P. Sakis Meliopoulos, Bruce Fardanesh and Shalom Zelingher
- ❑ [An On-Line AGC Compliance Evaluator](#)  
Mohammad Adnan Sujan, Chika Nwankpa and Mark H. Gravener
- ❑ [Extended Factors for Linear Contingency Analysis](#)  
Peter W. Sauer, Karl E. Reinhard and Thomas J. Overbye

Main Menu

Tracks

Minitracks

## Creativity in Information Systems

---

*Introduction <-- Click on above title*

- ❑ [Insight or Ideas: Escaping the Idea Centered "Box" Defining Creativity](#)  
Christopher M. Barlow
- ❑ [The Mediating Role of Identity Fit: Understanding the Relationship Between Communication Media, Demographic Differences, and Creativity](#)  
Sherry M. B. Thatcher
- ❑ [Evaluating Creative Practice in Information Systems Strategy Formation: The Application of Alexandrian Patterns](#)  
K. S. Horton and R. G. Dewar

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Crossing Collaborational Divides: Digital Documents in Socio-Technical Networks

---

*Introduction <-- Click on above title*

- [New Knowledge and Micro-Level Online Organization: 'Communities of Practice' As a Development Framework](#)  
Elisabeth Davenport and Hazel Hall
- [Tracing Influence through Intranets of Compliance](#)  
Roberta Lamb
- [Digital Documents in Organizational Communities of Practice: A First Look](#)  
Lisa D. Murphy

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## Data Mining for Healthcare Quality, Efficiency and Practice Support

---

*Introduction <-- Click on above title*

- [Developing a Data-Driven Method for Estimating Provider Penetration and Abusive Billing Practices](#)  
Hans R. Dutt, Michael Pepper, Joseph Brenner, John Stewart, Jonathan Smith and Mark Zezza
- [Pattern Extraction for Monitoring Medical Practices](#)  
Maytal Saar Tsechansky, Nava Pliskin, Gadi Rabinowitz and Mark Tsechansky
- [Precursory Steps to Mining HCFA Health Care Claims](#)  
Lisa Sokol, Bob Garcia, Mike West, Justin Rodriguez and Kirk Johnson
- [A Global Optimisation Approach to Classification in Medical Diagnosis and Prognosis](#)  
Adil Bagirov, Alex Rubinov, John Yearwood and Andrew Stranieri
- [Data Mining of Administrative Claims Data for Pathology Services](#)  
Simon Hawkins, Graham J. Williams, Rohan A. Baxter, Peter Christen, Michael J. Fett, Markus Hegland, Fuchun Huang, Ole Nielsen, Tatiana Semenova and Andrew Smith
- [Spatial Data Visualization in Healthcare: Supporting a Facility Location Decision via GIS-Based Market Analysis](#)  
Charles E. Noon and Charles T. Hankins

Main Menu

Tracks

Minitracks



# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- [Empirical Norms as a Lever for On-Line Support of General Practice](#)

Jim Warren and Patrick Bolton



[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## Data Mining, Knowledge Discovery, and Information Retrieval

---

*Introduction <-- Click on above title*

- ❑ [Mining Association Algorithm with Threshold Based on ROC Analysis](#)  
Minoru Kawahara and Hiroyuki Kawano
- ❑ [An Intelligent Clustering Forecasting System Based on Change-Point Detection and Artificial Neural Networks: Application to Financial Economics](#)  
Kyong Joo Oh and Ingoo Han
- ❑ [Extended Role of Knowledge Discovery Techniques in Enterprise Decision Support Environments](#)  
Narasimha Bolloju
- ❑ [Denormalization Effects on Performance of RDBMS](#)  
G. Lawrence Sanders and Seungkyoon Shin
- ❑ [Comparison of Two Families of Entropy-Based Classification Measures with and without Feature Selection](#)  
Kendall Giles, Kweku-Muata Bryson and Qin Weng
- ❑ [Interoperable Web-Based Data Mining System by Java Distributed Object Computing](#)  
Sheng-Tun Li and Tan-Sheng Li

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- [Agent-Based Support for Collaborative Data Mining in Systems Management](#)

Alex Bordetsky



[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Data Warehousing

---

*Introduction <-- Click on above title*

[On-Line Data Archives](#)

K. A. Hawick, P. D. Coddington, H. A. James and C. J. Patten

[Gaining Insight from the Data Warehouse: The Competence Maturity Model](#)

M. Kathryn Brohman and Michael Parent

[The Current and Future Role of Data Warehousing in Corporate Application Architecture](#)

Robert Winter

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## Digital Document Understanding and Communication

---

*Introduction <-- Click on above title*

- ❑ [Point-of-View: Custom Information Delivery via Hand-Held Devices](#)  
Branimir Boguraev, Rachel Bellamy and Calvin Swart
- ❑ [SAMSA: A Speech Analysis, Mining and Summary Application for Outbound Telephone Calls](#)  
James W. Cooper, Mahesh Viswanathan and Zunaid Kazi
- ❑ [Speech Transcript Analysis for Automatic Search](#)  
Anni R. Coden and Eric W. Brown
- ❑ [Exploiting Structure for Intelligent Web Search](#)  
Udo Kruschwitz
- ❑ [Browsing and Keyword-Based Profiles: A Cautionary Tale](#)  
Michael Shepherd, Carolyn Watters, Jack Duffy and Raj Kaushik
- ❑ [Can Readers Understand Their Profiles? A Study of Human Involvement in Reader Profiling](#)  
Annika Waern and Åsa Rudström
- ❑ [Genre Based Navigation on the Web](#)  
Dmitri Roussinov, Kevin Crowston, Mike Nilan, Barbara Kwasnik, Jin Cai and Xiaoyong Liu

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- [Description and Narrative in Hypervideo](#)

Tina Schneider and Stephen William Smoliar



Main Menu

Tracks

Minitracks

Click on title for a paper.



## Digital Documents in the Office and Education

---

*Introduction <-- Click on above title*

- ❑ [Asynchronous Collaboration Around Multimedia and Its Application to On-Demand Training](#)  
David Barger, Anoop Gupta, Jonathan Grudin, Elizabeth Sanocki and Francis Li
- ❑ [A TV Program Generation System Using Digest Video Scenes and a Scripting Markup Language](#)  
Yukari Shirota, Takako Hashimoto, Akiyo Nadamoto, Taeko Hattori, Atsushi Iizawa, Katsumi Tanaka and Kazutoshi Sumiya
- ❑ [Enhancing Distance Learning with Panoramic Video](#)  
Jonathan Foote and Don Kimber
- ❑ [Hierarchical Brushing in a Collection of Video Data](#)  
Dulce Poncelion and Andreas Dieberger
- ❑ [Towards Automatic Real Time Preparation of On-Line Video Proceedings for Conference Talks and Presentations](#)  
Arnon Amir, Gal Ashour and Savitha Srinivasan
- ❑ [A Live TV-Quality Distant Learning Multimedia Presentation System for Education](#)  
Sheng-Tun Li, Shu-Ching Chen and Mei-Ling Shyu

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Digital Technology and Educational Culture

---

*Introduction <-- Click on above title*

- ❑ [Collaborative Representations: Supporting Face to Face and Online Knowledge-Building Discourse](#)  
Daniel D. Suthers
- ❑ [Problems in Orchestrating MOO Activity](#)  
Yvonne Wærn and Teresa Cerratto
- ❑ [Interactive Learning: Design and Evaluation](#)  
Johanna Klassen, Douglas R. Vogel and Emily Moody

Main Menu

Tracks

Minitracks

Click on title for a paper.





## Distributed Group Support Systems

---

*Introduction* <--Click on above title

- ❑ [User Actions as a Mediator for Concept Designers](#)  
Tuomo Tuikka
- ❑ [Improvisational Change Management in the Public Sector](#)  
Agneta Nilsson, Ulrika Josefsson and Agneta Ranerup
- ❑ [The Relationship Between Interaction, Group Development, and Outcome: A Study of Virtual Communication](#)  
Rosalie J. Ocker
- ❑ [Can GSS Groups Make Better Decisions and Feel Good at the Same Time? a Longitudinal Study of Asynchronous GSS Groups](#)  
Wayne W. Huang
- ❑ [Culturally Heterogeneous vs. Culturally Homogeneous Groups in Distributed Group Support Systems: Effects on Group Process and Consensus](#)  
William N. Anderson and Starr Roxanne Hiltz
- ❑ [Preference for Procedural Ordering in Distributed Groups: How Do Media and Repeated Interaction Affect Perceptions and Procedural Structuring?](#)  
Kelly Burke and Kregg Aytes

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Sharing Viewpoints in Collaborative Virtual Environments

Steven Valin, Andreea Francu, Helmuth Trefftz and Ivan Marsic



Main Menu

Tracks

Minitracks

Click on title for a paper.



## Domain-Specific Languages for Software Engineering

---

*Introduction <-- Click on above title*

- ❑ [A Language for Software Subsystem Composition](#)  
Jim Buffenbarger and Kirk Gruell
- ❑ [HyCom: A Domain Specific Language for Hypermedia Application Development](#)  
Walter A. Risi, Pablo E. Martínez López and Daniel H. Marcos
- ❑ [Configuring Component-Based Specifications for Domain-Specific Languages](#)  
Peter Pfahler and Uwe Kastens

Main Menu

Tracks

Minitracks

## E-Commerce in the Finance Industry

---

*Introduction <-- Click on above title*

- ❑ [Acting Cooperatively While Being Revolutionary: An Insider-Outsider Cybermediary Theory](#)

Manuel Hensmans, Frans A. J. Van den Bosch and Henk W. Volberda

- ❑ [Transforming Financial Markets to Retail Investors - A Comparison of the U.S. and the German On-Line Brokerage Market](#)

Carsten Holtmann, Christoph Lattemann, Stefan Strecker and Christof Weinhardt

- ❑ [The Demand for Stored Value Payment Instruments](#)

Ingo Pippow and Detlef Schoder

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

## E-Commerce Systems Development Methodologies

---

*Introduction <-- Click on above title*

- ❑ [Interoperability for Accessing DBs by E-Commerce Applications](#)  
D. N. Jutla, P. Bodorik and Y. Cai
- ❑ [Defining Electronic Data Interchange Transactions with UML](#)  
Christian Huemer
- ❑ [Scenario Methods for Viewpoint Integration in e-Business Requirements Engineering](#)  
Jaap Gordijn, Hans de Bruin and Hans Akkermans

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

## Economics and Electronic Commerce

---

*Introduction <-- Click on above title*

- ❑ [New Buyers' Arrival Under Dynamic Pricing Market  
Microstructure: The Case of Group-Buying Discounts on the  
Internet](#)  
Robert J. Kauffman and Bin Wang
- ❑ [Simulating Online Yankee Auctions to Optimize Sellers  
Revenue](#)  
Ravi Bapna, Paulo Goes and Alok Gupta
- ❑ [Establishing a Framework for Analyzing Market Power in  
Electronic Commerce: An Empirical Study](#)  
Alok Chaturvedi and Subhajyoti Bandyopadhyay
- ❑ [Electronic Commerce Adoption by SMEs in Singapore](#)  
Jon Kendall, Lai Lai Tung, Khoo Hui Chua, Chia Hong Ng and Suan Meng Tan
- ❑ [Impact of Search Engine Ownership on Underlying Market  
for Goods and Services](#)  
Rajiv Dewan, Marshall Freimer and Paul Nelson
- ❑ [Second-Degree Price Discrimination for Information Goods  
Under Nonlinear Utility Functions](#)  
Hemant K. Bhargava and Vidyanand Choudhary

Main Menu

Tracks

Minitracks

## E-Government

---

*Introduction <-- Click on above title*

- ❑ [Experiences of SGML Standardization: The Case of the Finnish Legislative Documents](#)  
Airi Salminen, Virpi Lyytikäinen, Pasi Tiitinen and Olli Mustajärvi
- ❑ [Integrating e-Government Infrastructures through Secure XML Document Containers](#)  
Markus Greunz, Bernd Schopp and Joachim Haes
- ❑ [E-Government meets E-Business: A Portal Site for Startup Companies in Switzerland](#)  
Petra Schubert and Urs Häusler
- ❑ [Electronic Business Invading the Public Sector: Considerations on Change and Design](#)  
Maria Wimmer, Roland Traunmüller and Klaus Lenk
- ❑ [Applying the Stakeholder Concept to Electronic Commerce: Extending Previous Research to Guide Government Policy Makers](#)  
Anastasia Papazafeiropoulou, Athanasia Pouloudi and Wendy L. Currie
- ❑ [Sales Taxes on the Internet: When and How to Tax?](#)  
Ozlem Uzunur and Lee McKnight

Main Menu

Tracks

Minitracks

## Electronic Commerce Customer Relations Management

---

*Introduction <-- Click on above title*

- [Expectations and Rankings of Website Quality Features: Results of Two Studies on User Perceptions](#)  
Ping Zhang and Gisela von Dran
- [Customer Relationship Management in the Pharmaceutical Industry](#)  
Thomas Puschmann and Rainer Alt
- [Customer Relations Management Research: An Assessment of Sub Field Development and Maturity](#)  
Nicholas C. Romano, Jr.
- [Conceptualizing Trust: A Typology and E-Commerce Customer Relationships Model](#)  
D. Harrison McKnight and Norman L. Chervany
- [Enabling and Measuring Electronic Customer Relationship Management Readiness](#)  
Dawn Jutla, James Craig and Peter Bodorik
- [Enabling eCCRM: Content Model and Management for Financial eServices](#)  
Dennis Kundisch, Peter Wolfersberger, David Calaminus and Elisabeth Kloefer

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.





## Enterprise Application Integration

---

*Introduction <-- Click on above title*

- ❑ [Enhanced Component Interfaces to Support Dynamic Adaption and Extension](#)  
Ralf H. Reussner
- ❑ [Commercial E-Commerce Servers and Enterprise Application Integration: A Case-Based Comparison of Net.Commerce and Site Server Commerce](#)  
Niels Christian Juul and Claudia Loebbecke
- ❑ [ERP Problems and Application Integration Issues: An Empirical Survey](#)  
Marinos Themistocleous, Zahir Irani, Robert M. O'Keefe and Ray Paul
- ❑ [Domain Services for Multichannel Application Software](#)  
Martin Lippert, Henning Wolf and Heinz Züllighoven
- ❑ [Enterprise Application Integration - The Case of the Robert Bosch Group](#)  
Thomas Puschmann and Rainer Alt
- ❑ [Concept Integration Precedes Enterprise Integration](#)  
Manfred A. Jeusfeld and Aldo de Moor
- ❑ [An Object Transport Architecture for ODMG Databases](#)  
Robert Byrne and Mark Roantree

Main Menu

Tracks

Minitracks

## ERP Issues and Answers

---

*Introduction <-- Click on above title*

- ❑ [The Impact of Critical Success Factors Across the Stages of Enterprise Resource Planning Implementations](#)  
Toni M. Somers and Klara Nelson
- ❑ [Tailoring ERP Systems: A Spectrum of Choices and Their Implications](#)  
Lars Brehm, Armin Heinzl and M. Lynne Markus
- ❑ [Using Cost Benefit Analysis for Enterprise Resource Planning Project Evaluation: A Case for Including Intangibles](#)  
Kenneth E. Murphy and Steven John Simon

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## e-Services: Models and Methods for Design, Implementation, and Delivery

---

*Introduction <-- Click on above title*

- ❑ [e-Services: Problems, Opportunities, and Digital Platforms](#)  
Amrit Tiwana and Balasubramaniam Ramesh
- ❑ [Designing a Component Store for Chemical Engineering Software Solutions](#)  
Jörg Köller, Thomas List and Matthias Jarke
- ❑ [Federated Data Mining Services and a Supporting XML-Based Language](#)  
S. Krishnaswamy, A. Zaslavsky and S. W. Loke

Main Menu

Tracks

Minitracks

Click on title for a paper.



## Group Support Systems

---

*Introduction <-- Click on above title*

- ❑ [Group Processes in Conflict: The Impact of Communication Channels on Consensus Building](#)  
Morgan M. Shepherd and William B. Martz, Jr.
- ❑ [A Grounded and Participatory Approach to Collaborative Information Exploration and Management](#)  
Keiichi Nakata
- ❑ [A Message Board System on WWW with a Visualizing Time Function for On-Door Communication](#)  
Yuko Murayama, Hiromi Gondo, Yasunari Nakamoto, Norihisa Segawa and Masatoshi Miyazaki
- ❑ [The Mindpool Hybrid: Theorising a New Angle on EBS and Suggestion Systems](#)  
Dick Stenmark

Main Menu

Tracks

Minitracks

## Health Care Data Management

---

*Introduction <-- Click on above title*

- ❑ [PLAN: A Framework and Specification Language with an Event-Condition-Action \(ECA\) Mechanism for Clinical Test Request Protocols](#)  
Bing Wu and Kudakwashe Dube
- ❑ [Data Integration Along the Healthcare Supply Chain: The Pharmaceutical Extranet Gateway Project](#)  
G. M. McGrath and E. More
- ❑ [On Supporting Medical Quality with Intelligent Data Mining](#)  
Oliver Hogl, Michael Müller, Herbert Stoyan and Wolf Stühlinger
- ❑ [Ascension Health Systems: Enterprise User Interface Approach to Organizational Data Management](#)  
Sutee Sujitparapitaya, Brian D. Janz, James C. Wetherbe and David Sammet
- ❑ [Health Care B2C Electronic Commerce: What Do Patients Consumers Want?](#)  
Fay Cobb Payton and Heidi Lucas
- ❑ [Consumer Decision Support Systems: A Health Care Case Study](#)  
Donald J. Berndt

Main Menu

Tracks

Minitracks

## Health Care: Specialized Industry or Novel Environment for IS Theory-Testing

---

*Introduction <-- Click on above title*

- ❑ [Data Quality in Health Care Data Warehouse Environments](#)  
Robert L. Leitheiser
- ❑ [Information Systems Methodology for Building Theory in Health Informatics: The Argument for a Structured Approach to Case Study Research](#)  
A. Alison Plummer
- ❑ [Investigating Integrated Socio-Technical Approaches to Health Informatics](#)  
Chris Atkinson, Tillal Eldabi, Ray J. Paul and Athanasia Pouloudi
- ❑ [Information Systems Development with Anticipation of Change Focussing on Professional Bureaucracies](#)  
Ingrid Wetzel

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

## Hybrid Dynamical Systems

---

*Introduction <-- Click on above title*

- ❑ [Stability of Limit Cycles in Hybrid Systems](#)  
Ian A. Hiskens
- ❑ [Adaptive Control for Nonlinear Stochastic Hybrid Systems with Input Saturation](#)  
Shu-Mei Guo, Leang-San Shieh, Ching-Fang Lin and Jagdish Chandra
- ❑ [Stability Boundary Analysis of Nonlinear Dynamics Subject to State Limits](#)  
Vaithianathan Venkatasubramanian

Main Menu

Tracks

Minitracks

## Information Management

---

*Introduction <-- Click on above title*

- ❑ [A Virtual Environment for Protective Relaying Evaluation and Testing](#)  
A. P. Sakis Meliopoulos and George J. Cokkinides
- ❑ [Simulation Environment for Development and Testing of Plug Compatible Power System Applications](#)  
Robin Podmore, Marck Robinson and Anjan Bose
- ❑ [Optimization and Visualization of the North American Eastern Interconnect Power Market](#)  
Douglas R. Hale and Thomas J. Overbye
- ❑ [Human Factors Analysis of Power System Visualizations](#)  
Thomas J. Overbye, Douglas A. Wiegmann, Aaron M. Rich and Yan Sun

Main Menu

Tracks

Minitracks



## Information Systems in Global Business

---

*Introduction <-- Click on above title*

- ❑ [Configurations and Coordination for Global Information Technology Governance: Complex Designs in a Transnational European Context](#)  
Ryan R. Peterson
- ❑ [An Exploratory Study of Electronic Mail as a Rich Communication Medium in a Global Virtual Organization](#)  
Derrick J. Neufeld, Bruno Dyck and Céleste M. Brotheridge
- ❑ [Holistic Business Process Reengineering: An International Empirical Survey](#)  
Majed Al-Mashari, Zahir Irani and Mohamed Zairi
- ❑ [The Location Problem in Electronic Business: Evidence from Exploratory Research](#)  
Kathrin M. Möslin

Main Menu

Tracks

Minitracks

## Infrastructure for the Electronic Business on the Internet

---

*Introduction <-- Click on above title*

### [Research and Development in E-Business on the Internet](#)

V. Milutinovic, D. Cvetkovic, M. Aleksic, G. Davidovic, Z. Dimitrijevic, D. Dingarac, M. Grubic, A. Grujic, D. Horvat, Z. Horvat, I. Ikodinovic, J. Ilic, N. Ilic, E. Jovanov, M. Jovanovic, T. Jovanovic, P. Knezevic, D. Krsmanovic, G. Marinkovic, M. Mihanovic, A. Milenkovic, D. Milicev, M. Milicevic, V. Miljkovic, D. Milutinovic, J. Mirkovic, M. Mitrovic, M. Nikolic, D. Petkovic, Z. Petkovic, J. Protic, S. Protic, D. Raskovic, S. Savic, S. Slijepcevic, I. Sokic, M. Stefanovic, I. Tartalja, M. Tomasevic, N. Tomca, B. Radunovic, M. Vuletic and S. Zgonjanin

### [A Methodology for Creating e-Business Strategy](#)

D. N. Jutla, J. Craig and P. Bodorik

### [Internet-Based Delivery and Deployment of Document Management Systems](#)

Borko Furht, Jim Sheen and Zijad Aganovic

### [The Role of Structured Content in a Personalized News Service](#)

Sami Jokela, Marko Turpeinen, Teppo Kurki, Eerika Savia and Reijo Sulonen

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [XML Data Mediation and Collaboration: A Proposed Comprehensive Architecture and Query Requirements for Using XML to Mediate Heterogeneous Data Sources and Targets](#)  
Paul Benjamin Lowry
- ❑ [Evaluating Optimizations for Multiprocessors E-Commerce Server Running TPC-W Workload](#)  
Pierfrancesco Foglia, Roberto Giorgi and Cosimo Antonio Prete



[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## Integrated Modeling of Distributed Software Systems and Workflow Applications

---

*Introduction <-- Click on above title*

- ❑ [Towards an Approach to Model Business Processes Using Workflow Modeling Techniques in Production Systems](#)  
Ricardo M. Bastos and Duncan Dubugras A. Ruiz
- ❑ [Experiences in Introducing Workflow Management in a Large Insurance Group](#)  
Wolfgang Goebel, Klaudius J. Messner and Bernd Schwarzer
- ❑ [System Factory: Integrating Tools for System Integration](#)  
Vadim Kotov
- ❑ [A Framework for Distributed Workflow Systems](#)  
Martin Purvis, Maryam Purvis and Selena Lemalu
- ❑ [Workflow Analysis Using Attributed Metagraphs](#)  
Amit Basu and Robert W. Blanning
- ❑ [GroupProcess: Using Process Knowledge from the Participative Design and Practical Operation of Ad Hoc Processes for the Design of Structured Workflows](#)  
Carsten Huth, Ingo Erdmann and Ludwig Nastansky

Main Menu

Tracks

Minitracks

## Intelligent Systems and Soft Computing

---

*Introduction <-- Click on above title*

- ❑ [Prototype Matching - Finding Meaning in the Books of the Bible](#)  
Ari Visa, Jarmo Toivonen, Hannu Vanharanta and Barbro Back
- ❑ [Operational Knowledge Representation for Practical Decision Making](#)  
Jean-Charles Pomerol and Patrick Brezillon
- ❑ [An Approach to Multiple Attribute Decision Making Based Preference Information on Alternatives](#)  
Jian Ma, Quan Zhang, Zhiping Fan, Jiazhi Liang and Duanning Zhou
- ❑ [A Language for the Rapid Prototyping of Mobile Evolving Agents](#)  
Wolfgang Mueller, Arne Meyer and Henning Zabel
- ❑ [Effects of Symbiotic Evolution in Genetic Algorithms for Job-Shop Scheduling](#)  
Yasuhiro Tsujimura, Yuichiro Mafune and Mitsuo Gen
- ❑ [Reducing the Bullwhip Effect by Means of Intelligent, Soft Computing Methods](#)  
Christer Carlsson and Robert Fullér

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- [A Fingerprint Recognizer Using Fuzzy Evolutionary Programming](#)

Tu Van Le, Ka Yeung Cheung and Minh Ha Nguyen



Main Menu

Tracks

Minitracks

Click on title for a paper.



## Intelligent Systems in Traffic and Transportation

---

*Introduction <-- Click on above title*

- ❑ [Solution of Real-World Train Timetabling Problems](#)  
Alberto Caprara, Matteo Fischetti, Pier Luigi Guida, Michele Monaci, Giuseppe Sacco and Paolo Toth
- ❑ [Recent Trends in Logistics and the Need for Real-Time Decision Tools in the Trucking Industry](#)  
Jacques Roy
- ❑ [The Airport Gate Assignment Problem: Mathematical Model and a Tabu Search Algorithm](#)  
Jiefeng Xu and Glenn Bailey
- ❑ [Operations Centres for Logistics: General Concepts and the Deutsche Post Case](#)  
Hans-Jürgen Sebastian, Daniel Dolk and Ruth Kuchem
- ❑ [A Framework Architecture for Information Management in Dynamic Vehicle Dispatching](#)  
Ilham Benyahia and Jean-Yves Potvin
- ❑ [Runway Operations Planning and Control Sequencing and Scheduling](#)  
Ioannis Anagnostakis, Dietmar Böhme, John-Paul Clarke and Uwe Völckers

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [On Multiagent Co-Ordination Architectures: A Traffic Management Case Study](#)  
Josefa Z. Hernández, Sascha Ossowski and Ana García-Serrano
- ❑ [A Multi-Agent System for On-Line Simulations Based on Real World Traffic Data](#)  
Joachim Wahle and Michael Schreckenberg
- ❑ [An Evolutionary Fuzzy System for Coordinated and Traffic Responsive Ramp Metering](#)  
Klaus Bogenberger and Hartmut Keller

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.





## Internet & Workflow Automation: Technical & Managerial Issues

---

*Introduction <-- Click on above title*

- ❑ [Multiple Type Workflow Model for Enterprise Application Integration](#)  
Michiko Oba and Norihisa Komoda
- ❑ [Continuous Audit Implications of Internet Technology: Triggering Agents Over the Web in the Domain of Debt Covenant Compliance](#)  
Jon Woodroof and DeWayne Searcy
- ❑ [A Framework for Classifying Interorganizational Workflow-Controlled Business Processes Focusing on Quality Management](#)  
Philip Hartmann, Reimer Studt and Thorsten Wewers
- ❑ [Formal Foundation and Conceptual Design of Dynamic Adaptations in a Workflow Management System](#)  
Mathias Weske
- ❑ [Modeling Interorganizational Workflows with XML Nets](#)  
Kirsten Lenz and Andreas Oberweis

Main Menu

Tracks

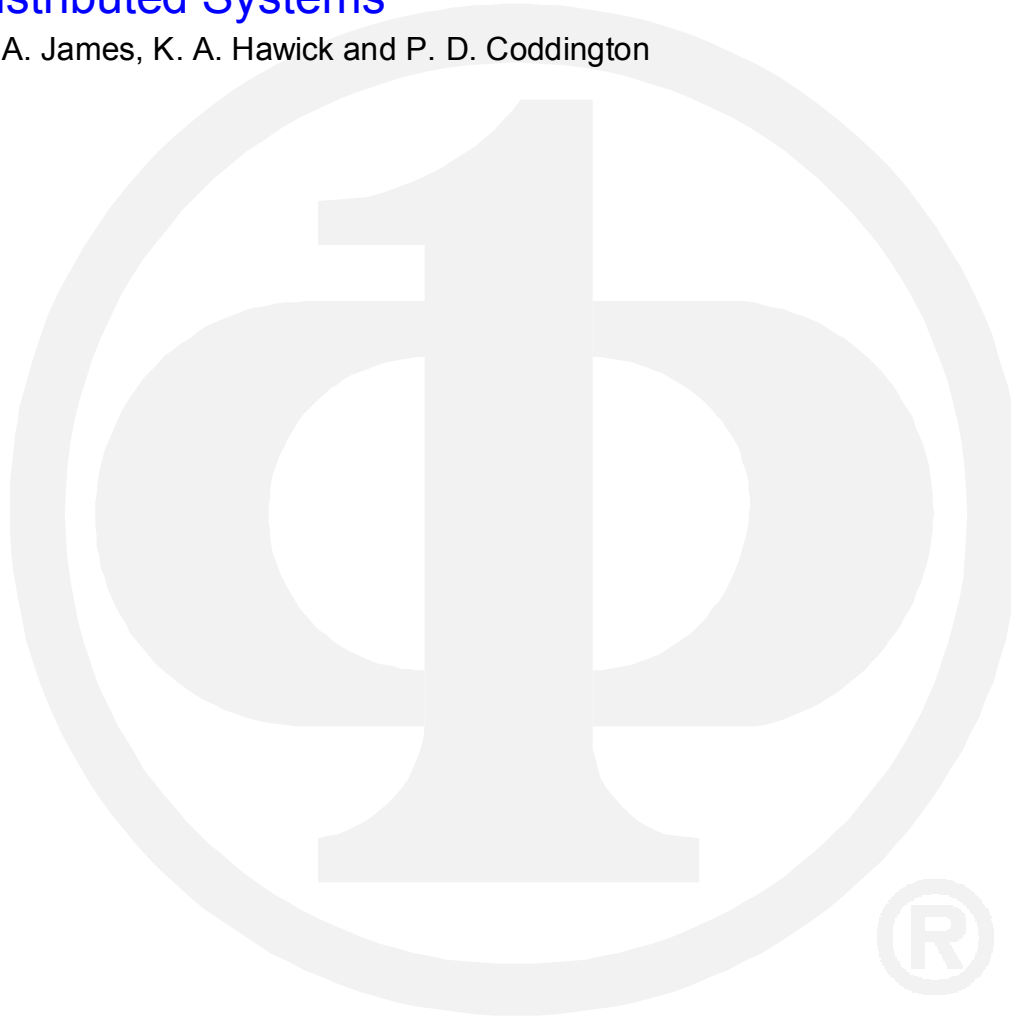
Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- [An Environment for Work for Applications on Wide-Area Distributed Systems](#)

H. A. James, K. A. Hawick and P. D. Coddington



Main Menu

Tracks

Minitracks

Click on title for a paper.



## Knowledge Management, Organizational Memory and Organizational Learning

---

*Introduction <-- Click on above title*

- ❑ [Creating Feedback Loops to Support Organizational Learning and Knowledge Management in Inquiring Organizations](#)  
Dianne J. Hall, David B. Paradice and James F. Courtney
- ❑ [Knowledge, Purpose and Process: Linking Knowledge Management and Innovation](#)  
Jacky Swan and Harry Scarbrough
- ❑ [Why Would Anyone Like to Share His Knowledge?](#)  
Vincent Homburg and Albert Meijer
- ❑ [Towards a Framework for Knowledge Management Strategies: Process Orientation as Strategic Starting Point](#)  
Ronald Maier and Ulrich Remus
- ❑ [A Framework to Study Knowledge Management Behaviors During Decision Making](#)  
K. D. Joshi
- ❑ [Organizational Learning Through the Process of Enhancing Information Systems](#)  
Dana Edberg and Lorne Olfman

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Advanced Information Management Tools for Individual and Organizational Learning](#)  
Steve Sonka, Donna Fisher and Randall Westgren
- ❑ [Knowledge Management in Mobile CSCW: Evaluation Results of a Mobile Physical/Virtual Meeting Support System](#)  
Mikael Wiberg
- ❑ [Tacit Knowledge as a Promoter of Success in Technology Firms](#)  
Kaj U. Koskinen
- ❑ [Exploring Organisational Learning in Virtual Forms of Organisation](#)  
Rob Baltrusch
- ❑ [Making Knowledge Visible through Intranet Knowledge Maps: Concepts, Elements, Cases](#)  
Martin J. Eppler

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## Knowledge/Technology Transfer and Adoption

---

*Introduction <-- Click on above title*

- [Individual and Social Barriers to Knowledge Transfer](#)  
Georg Disterer
- [Economic Development through Knowledge Creation - The Case of Korea](#)  
Sang Kyu Lee
- [Perspectives for European Universities in the Learning Economy](#)  
Pedro Conceição and Manuel V. Heitor
- [Study on Characteristics of Technology Transfer in Venture Business](#)  
Tae Kyung Sung, Byung-Su Kang and Sang Kyu Lee
- [New Technologies in Emerging Markets: Understanding Technology, Market and Policy Constraints to the Adoption of Advanced Automotive Technologies](#)  
Francisco Veloso and Richard Roth
- [Mergers and Acquisitions: A Tool for Knowledge/Technology Transfer](#)  
Pedro Oliveira, Aleda V. Roth and Manuel V. Heitor

Main Menu

Tracks

Minitracks

## Managing Information on the Web

---

*Introduction <-- Click on above title*

- ❑ [Assessing the Quality of Auction Web Sites](#)  
Stuart J. Barnes and Richard T. Vidgen
- ❑ [Feedback Mechanisms as Intermediaries for Web Information Market: An Exploratory Study](#)  
Jyun-Cheng Wang and Rong-Fuh Day
- ❑ [Collection and Exploitation of Expert Knowledge in Web Assistant Systems](#)  
Johan Aberg and Nahid Shahmehri
- ❑ [A High-Density Catalog for Online Browsing](#)  
Susan L. Spraragen and Mark Podlaseck
- ❑ [Concepts of Bitemporal Database Theory and the Evolution of Web Documents](#)  
Gerhard F. Knolmayer and Thomas Myrach
- ❑ [Towards Hypermedia Support for Database Systems](#)  
Anirban Bhaumik, Deepti Dixit, Roberto Galnares, Aparna Krishna, Manolis Tzagarakis, Michalis Vaitis, Michael Bieber, Vincent Oria, Qiang Lu, Firas Alljalad and Li Zhang
- ❑ [A Mining-Based Category Evolution Approach to Managing Online Document Categories](#)  
Chih-Ping Wei and Yuan-Xin Dong

Main Menu

Tracks

Minitracks

## Marketing in Electronic Commerce

---

*Introduction <-- Click on above title*

- ❑ [A Two-Level Approach to Establishing a Marketing Strategy in the Electronic Marketplace](#)  
Hsiu-Yuan Tsao and Koong H. -C. Lin
- ❑ [The Relevance of Brands for Electronic Commerce Results from an Empirical Study of Consumers in Europe](#)  
Ralf E. Strauss, Detlef Schoder and Judith Gebauer
- ❑ [Corporate Branding of E-Business Ventures](#)  
Ulrike Geissler and Markus Will
- ❑ [Trajectories of Individual WWW Usage: Implications for Electronic Commerce](#)  
Mario Christ, Ramayya Krishnan, Daniel Nagin, Robert Kraut and Oliver Günther
- ❑ [Modeling Consumer Visit Frequency on the Internet](#)  
Sukekyu Lee, Fred Zufryden and Xavier Drèze
- ❑ [Predicting Online Purchase Behavior: Replications and Tests of Competing Models](#)  
Hans van der Heijden, Tibert Verhagen and Marcel Creemers

Main Menu

Tracks

Minitracks

## Markets and Economics

---

*Introduction <-- Click on above title*

- [Design of Ancillary Service Markets](#)  
Shmuel S. Oren
- [The Design of Efficient Market Structures for Ancillary Services](#)  
Hugh Outhred
- [Electricity and Ancillary Services Markets in New York State: Market Power in Theory and Practice](#)  
Richard E. Schuler
- [The Effect of Loading on Reactive Market Power](#)  
Antonio C. Zambroni de Souza, Fernando Alvarado and Mevludin Glavic
- [On the Various Design Options for Ancillary Services Markets](#)  
Alex Papalexopoulos and Harry Singh
- [Experimental Tests of Competitive Markets for Electric Power](#)  
Simon Ede, Timothy Mount, William Schulze, Robert Thomas and Ray Zimmerman
- [Spot Pricing of Electricity and Ancillary Services in a Competitive California Market](#)  
Afzal S. Siddiqui, Chris Marnay and Mark Khavkin

Main Menu

Tracks

Minitracks



# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Optimal Bidding and Contracting Strategies in the Deregulated Electric Power Market: Part II](#)  
D. J. Wu, Paul Kleindorfer and Jin E. Zhang
- ❑ [Stochastic Price Modeling of Electricity in Deregulated Energy Markets](#)  
Ashkan Kian and Ali Keyhani
- ❑ [Forward Markets for Transmission that Clear at LMP: A Hybrid Proposal](#)  
Richard D. Tabors

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## M-Commerce - Mobile Commerce: A New Frontier for E-Business

---

*Introduction <-- Click on above title*

- ❑ [Infoparco: An Experience in Designing an Information System Accessible through Web and Wap Interfaces](#)  
Carla Colafigli, Paola Inverardi and Rocco Matricciani
- ❑ [A Framework for the Emerging Mobile Commerce Applications](#)  
Upkar Varshney and Ron Vetter
- ❑ [Wireless Commerce: Marketing Issues and Possibilities](#)  
P. K. Kannan, Ai-Mei Chang and Andrew B. Whinston
- ❑ [MEP - A Media Event Platform](#)  
Daniel Olsson and Andreas Nilsson
- ❑ [Using Agents to Improve Security and Convenience in Mobile E-Commerce](#)  
Jian Tang and Jari Veijalainen

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

## Mobile Ad-Hoc Networking

---

*Introduction <-- Click on above title*

- ❑ [WLAN Technologies for Mobile Ad Hoc Networks](#)  
R. Bruno, M. Conti and E. Gregori
- ❑ [Performance Evaluation of HiperLAN Type2 with Voice and Web Data Traffic](#)  
Luciano Lenzini and Enzo Mingozzi
- ❑ [Internal Nodes Based Broadcasting in Wireless Networks](#)  
Ivan Stojmenovic, Mahtab Seddigh and Jovisa Zunic
- ❑ [Resource-Limited Energy-Efficient Wireless Multicast of Session Traffic](#)  
Jeffrey E. Wieselthier, Gam D. Nguyen and Anthony Ephremides
- ❑ [Real-Time Routing in Mobile Networks Using GPS and GIS Techniques](#)  
Hassan A. Karimi and Prashant Krishnamurthy
- ❑ [GPS-Free Positioning in Mobile Ad-Hoc Networks](#)  
Srdan Capkun, Maher Hamdi and Jean-Pierre Hubaux

Main Menu

Tracks

Minitracks

## Modeling Knowledge Intensive Processes: Concepts, Methods, and Applications

---

*Introduction <-- Click on above title*

- ❑ [From Business Modeling Based on the Semantics of Contracts to Knowledge Modeling and Management](#)  
Pierre Lévine and Jean-Charles Pomerol
- ❑ [A Methodology to Structure Ill-Structured Processes: Performance Centered Design](#)  
Anne P. Massey, Mitzi Montoya-Weiss and Tony O'Driscoll
- ❑ [Advanced Training for Crisis Decision Making: Simulation, Critiquing, and Immersive Interfaces](#)  
Janet A. Sniezek, David C. Wilkins and Patrick L. Wadlington
- ❑ [On Managerial Incentives for Process Knowledge Capture and Use](#)  
Krishnamurthy Surysekar and Balasubramaniam Ramesh
- ❑ [Broker's Lounge - An Environment for Multi-Dimensional User-Adaptive Knowledge Management](#)  
Matthias Jarke, Roland Klemke and Achim Nick

Main Menu

Tracks

Minitracks

## Moving the Organization to Convergent Technologies: e-Business and Wireless

---

*Introduction <-- Click on above title*

- ❑ [Mobile Agent to User Interaction \(MAUI\)](#)  
Patrik Mihailescu, Chandana Gamage and Elizabeth A. Kendall
- ❑ [Understanding the Personal Competencies of IS Support Experts: Moving Toward the E-Business Future](#)  
Kay M. Nelson, H. James Nelson and Mehdi Ghods
- ❑ [The Human Face of Electronic Business: From Component Supplier to Strategic Business Partner through IT Supported Networks](#)  
Helena Wennberg and Anna Öhrwall Rönnbäck
- ❑ [Exploring Mobile eCommerce in Geographical Bound Retailing](#)  
Sofia Eklund and Kalevi Pessi

Main Menu

Tracks

Minitracks

## Negotiation Support Systems

---

*Introduction <-- Click on above title*

- ❑ [Electronic Commerce and Market Mechanisms a Game-Theoretic Approach](#)  
Hardy Hanappi and Edeltraud Hanappi-Egger
- ❑ [Multi-Agent Bidding and Contracting for Non-Storable Goods](#)  
D. J. Wu and Yanjun Sun
- ❑ [The Emergence of Trust in Multi-Agent Bidding: A Computational Approach](#)  
D. J. Wu and Yanjun Sun
- ❑ [Collective Memory Support in Negotiation: A Theoretical Framework](#)  
Souren Paul
- ❑ [A Multi-Agent Based Negotiation Support System for Cost Allocation of Cross-border Transmission](#)  
Ping Wei, Yonghe Yan, Yixin Ni, Jerome Yen and Felix Wu
- ❑ [Integrating Group Decision and Negotiation Support Systems with Work Processes](#)  
Balasubramaniam Ramesh and Kannan Mohan

Main Menu

Tracks

Minitracks

## Next Generation of Learning Platforms

---

*Introduction <-- Click on above title*

- ❑ [Computer Supported Learning. A Large-Scale, Web-based Learning and Assessment System to Support Flexible Education.](#)  
Lesley Gardner, Don Sheridan and David White
- ❑ [Using Models in Virtual World Design](#)  
Helena Holmström and Mikael Jakobsson
- ❑ [Mobile Competence Development for Nomads](#)  
Christian Hardless, Johan Lundin and Urban Nuldén

Main Menu

Tracks

Minitracks

## Nontraditional Computer Support for Design and User Evaluation

---

*Introduction <-- Click on above title*

- ❑ [Evaluation of the Handwriting Function of an "on-door" Communication System](#)  
Norihisa Segawa, Yuko Murayama, Yasunari Nakamoto, Hiromi Gondo and Masatoshi Miyazaki
- ❑ [A Survey of Web Log Data and Their Application in Use-Based Design](#)  
Mary C. Burton and Joseph B. Walther
- ❑ [A Framework for the Evaluation of an Electronic Marketplace Design with Evolutionary Negotiation Support](#)  
Sungwon Cho
- ❑ [Perception of Statistical Presentations - Investigated by Means of Internet Experiments](#)  
Svein Nordbotten and Joan C. Nordbotten
- ❑ [Virtual Prototypes in Usability Testing](#)  
Kari Kuutti, Katja Battarbee, Simo Säde, Tuuli Mattelmäki, Turkka Keinonen, Topias Teirikko and Anne-Mari Tornberg

Main Menu

Tracks

Minitracks



# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Adaptation of Traditional Usability Testing Methods for Remote Testing](#)  
Jean Scholtz
- ❑ [Designing User Interfaces Using Activity Theory](#)  
Lorna Uden and Neil Willis
- ❑ [Qualitative vs. Quantitative: Myths of the Culture and Practical Experience](#)  
John C. Thomas
- ❑ [Can Rote Memorization Be Fun? A Game Shell for Concept Matching with Java and XML](#)  
Jan Stelovsky
- ❑ [Polygraph Diagrams for Holistic Visualization of Data Sets Using Multiple-Units of Analysis](#)  
E. Barbara Klemm, Marie K. Iding and Martha E. Crosby
- ❑ [Cooperative and Collaborative Learning in Computer-Based Science Instruction](#)  
Marie K. Iding, Martha E. Crosby, Thomas Speitel, Tyra Shimabuku and Thanhtruc Nguyen

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## Novel Information Systems for Business to Business Electronic Commerce

---

*Introduction <-- Click on above title*

- ❑ [Electronic Commerce Using Distributed ERP-Systems with Approximated ACID Properties](#)  
Lars Frank
- ❑ [Enabling Business Cooperation Using a Publish-Subscribe Architecture Aware of Transactions](#)  
Gianluca Moro and Mirko Viroli
- ❑ [DOC.COM: Combining Document and Communication Management for Negotiation Support in Business-to-Business Electronic Commerce](#)  
Mareike Schoop and Christoph Quix
- ❑ [SI-Designer: A Tool for Intelligent Integration of Information](#)  
D. Beneventano, S. Bergamaschi, I. Benetti, A. Corni, F. Guerra and G. Malvezzi
- ❑ [A Phase Model for E-Commerce Business Models and its Application to Security Assessment](#)  
Manfred Hauswirth, Mehdi Jazayeri and Markus Schneider

Main Menu

Tracks

Minitracks

## Persistent Conversation: A Dialog Between Research and Design

---

*Introduction <-- Click on above title*

- [Radicals of Presentation in Persistent Conversation](#)  
Alvan Bregman and Caroline Haythornthwaite
- [Backchannel: Whispering in Digital Conversation](#)  
Sharon Cogdill, Tari Lin Fanderclai, Judith Kilborn and Marian G. Williams
- [Profiling Turns in Interaction: Discourse Structure and Function](#)  
Sherri L. Condon and Claude G. Cech
- ['Making Conversation': Sequential Integrity and the Local Management of Interaction on Internet Newsgroups](#)  
Darren Reed
- [In and Out Scream and Shout: An Internet Conversation About Stock Price Manipulation](#)  
John A. Campbell
- [Supporting Verification of the Comprehensive Nuclear Test Ban Treaty Through a Persistent Conversation Interface](#)  
Stephanie Guerlain, Donald Brown, John Green, Brian Hashemi, Robert Rauschenberg, Christopher Stacy, Roger Mason and Jane Bohlin

Main Menu

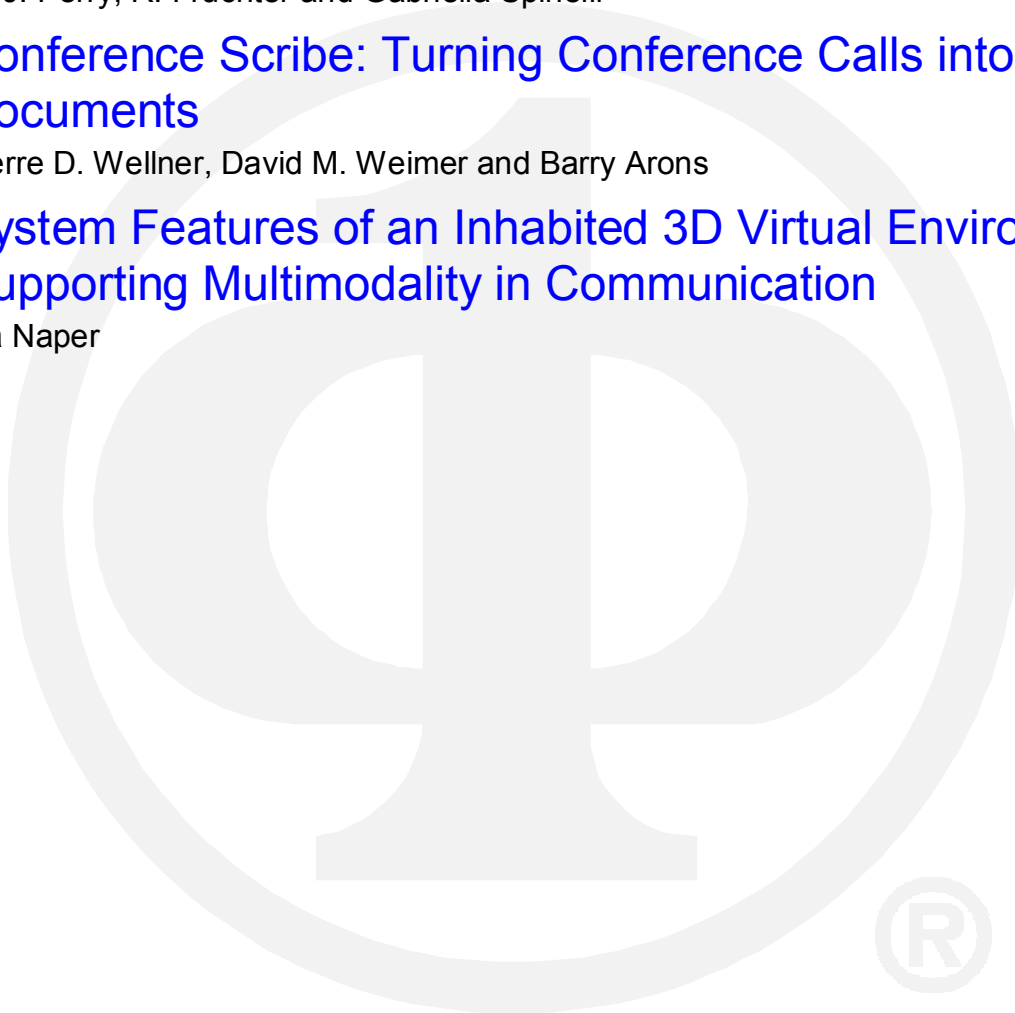
Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Spaces, Traces and Networked Design](#)  
M. J. Perry, R. Fruchter and Gabriella Spinelli
- ❑ [Conference Scribe: Turning Conference Calls into Documents](#)  
Pierre D. Wellner, David M. Weimer and Barry Arons
- ❑ [System Features of an Inhabited 3D Virtual Environment Supporting Multimodality in Communication](#)  
Ida Naper



Main Menu

Tracks

Minitracks

Click on title for a paper.



## Professional Ethics in Information Systems

---

*Introduction <-- Click on above title*

- ❑ [Being Ethical in Developing Information Systems: An Issue of Methodology or Maturity in Judgement?](#)  
XiaoJian Wu, Simon Rogerson and N. Ben Fairweather
- ❑ [End-User Ethics Teaching: Issues and a Solution Based on Universalization](#)  
Mikko T. Siponen and Tero Vartiainen
- ❑ [Data Protection in the University Setting: Employee Perceptions of Student Privacy](#)  
Julia B. Earp and Fay C. Payton
- ❑ [The Role of Identification in the Privacy Decisions of Information System Students](#)  
Thomas Shaw

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

## Project Management

---

*Introduction <-- Click on above title*

- ❑ [Understanding Your IT Project Organization's Character: Exploring the Differences Between the Cultures of an IT Project and its Base Organization](#)  
Erling S. Andersen
- ❑ [The Challenge of Accurate Software Project Status Reporting: A Two Stage Model Incorporating Status Errors and Reporting Bias](#)  
Andrew P. Snow and Mark Keil
- ❑ [Successful Management of Complex, Multinational R&D Projects](#)  
Narcisa Jonsson, Damir Novosel, Joakim Lillieskold and Mikael Eriksson
- ❑ [Project Management Process in Early Stage E-Businesses: Strategies for Leading & Managing Teams](#)  
Joseph W. Weiss
- ❑ [Organizational Change as a Contributing Factor to IS Failure](#)  
Heidemarie Winklhofer
- ❑ [Structural Change and Change Advocacy: A Study in Becoming a Software Engineering Organization](#)  
Kay M. Nelson, Mari Buche and H. James Nelson

Main Menu

Tracks

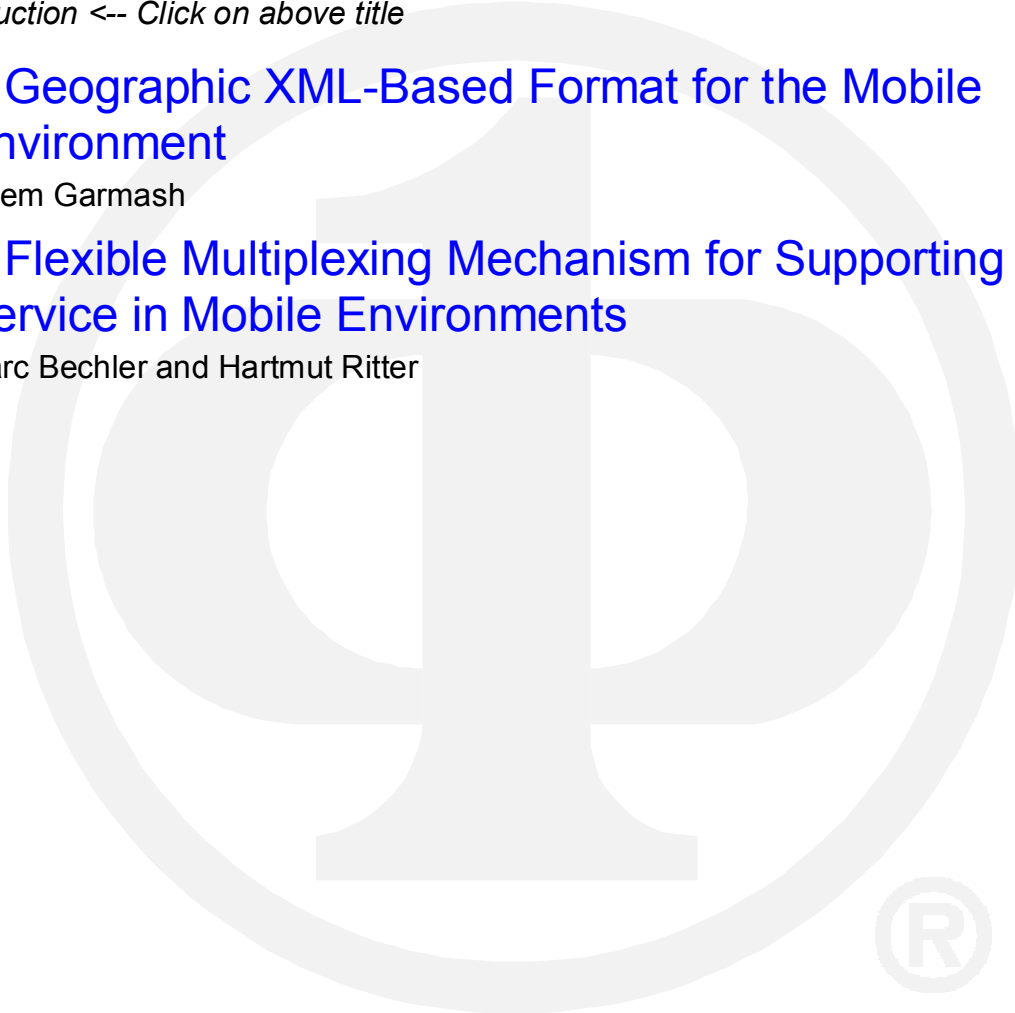
Minitracks

## Quality of Service in Mobile Computing

---

*Introduction <-- Click on above title*

- ❑ [A Geographic XML-Based Format for the Mobile Environment](#)  
Artem Garmash
- ❑ [A Flexible Multiplexing Mechanism for Supporting Quality of Service in Mobile Environments](#)  
Marc Bechler and Hartmut Ritter



Main Menu

Tracks

Minitracks

Click on title for a paper.



## Quality of Service in Web Services

---

*Introduction <-- Click on above title*

- ❑ [A Performance Study of Distributed Architectures for the Quality of Web Services](#)  
Valeria Cardellini, Emiliano Casalicchio and Michele Colajanni
- ❑ [Client-Centered Load Distribution: A Mechanism for Constructing Responsive Web Services](#)  
Vittorio Ghini, Fabio Panzieri and Marco Roccetti
- ❑ [Performance Analysis of "Content-Aware" Load Balancing Strategy FLEX: Two Case Studies](#)  
Ludmila Cherkasova, Mohan DeSouza and Shankar Ponnekanti
- ❑ [Peak Load Management for Commercial Web Servers Using Adaptive Session-Based Admission Control](#)  
Ludmila Cherkasova and Peter Phaal
- ❑ [A Flexible Receiver-Driven Cache Replacement Scheme for Continuous Media Objects in Best-Effort Networks](#)  
W. H. O. Lau, M. Kumar and S. Venkatesh

Main Menu

Tracks

Minitracks



## Research Methods and Approaches in Organizational Systems Research

---

*Introduction <-- Click on above title*

[Organizational and Technological Infrastructures Alignment](#)

Anne-Marie Croteau, Simona Solomon, Louis Raymond and François Bergeron

[New Methods for Studying Global Virtual Teams: Towards a Multi-Faceted Approach](#)

Charles Steinfield, Marleen Huysman, Kenneth David, Chyng Yang Jang, Jan Poot, Mirjam Huis in't Veld, Ingrid Mulder, Erik Goodman, John Lloyd, Timothy Hinds, Erik Andriessen, Kristen Jarvis, Klaas van der Werff and Angel Cabrera

[Methodological Issues in Assessing Sociocultural Learning](#)

Doug Vogel, Robert Davison, Ronnie Shroff and Sajda Qureshi

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

## Self-Organized Criticality

---

*Introduction <-- Click on above title*

- ❑ [Evidence for Self-Organized Criticality in Electric Power System Blackouts](#)  
B. A. Carreras, D. E. Newman, I. Dobson and A. B. Poole
- ❑ [An Initial Model for Complex Dynamics in Electric Power System Blackouts](#)  
I. Dobson, B. A. Carreras, V. E. Lynch and D. E. Newman
- ❑ [Modeling Blackout Dynamics in Power Transmission Networks with Simple Structure](#)  
B. A. Carreras, V. E. Lynch, M. L. Sachtjen, I. Dobson and D. E. Newman
- ❑ [Network Models: Growth, Dynamics, and Failure](#)  
Sandip Roy, Chalee Asavathiratham, Bernard C. Lesieutre and George C. Verghese
- ❑ [Analysis of Electric Power System Disturbance Data](#)  
Jie Chen, James S. Thorp and Manu Parashar

Main Menu

Tracks

Minitracks

## Software Architecture

---

*Introduction <-- Click on above title*

- ❑ [Software Architecture Modelling, Analysis and Implementation with SoftArch](#)  
John Grundy
- ❑ [Malleable Services](#)  
Venu Vasudevan and Sean Landis
- ❑ [xADL: Enabling Architecture-Centric Tool Integration with XML](#)  
Rohit Khare, Michael Guntersdorfer, Peyman Oreizy, Nenad Medvidovic and Richard N. Taylor
- ❑ [The Viable System Architecture](#)  
Charles Herring and Simon Kaplan
- ❑ [The Space Station Operations Control Software: A Case Study in Architecture Maintenance](#)  
Robert Leitch and Eleni Stroulia
- ❑ [Software Resource Architecture and Performance Evaluation of Software Architectures](#)  
C. M. Woodside

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [The Importance of Quality Requirements in Software Platform Development - A Survey](#)  
Enrico Johansson, Anders Wesslén, Lars Bratthall and Martin Höst
- ❑ [Architecture-Based Exception Handling](#)  
Valérie Issarny and Jean-Pierre Banâtre
- ❑ [Quality Attributes and Aspects of a Medical Product Family](#)  
Jan Gerben Wijnstra



Main Menu

Tracks

Minitracks

Click on title for a paper.



## Software Engineering Tools

---

*Introduction <-- Click on above title*

- ❑ [A GUI Environment to Manipulate FSMs for Testing GUI-Based Applications in Java](#)  
Jessica Chen and Suganthan Subramaniam
- ❑ [A Methodology for Efficiently Developing On-Line Tools for Heterogeneous Middleware](#)  
Günther Rackl and Thomas Ludwig
- ❑ [Generic Description of a Software Document Environment](#)  
Mark Toleman, David Carrington, Phil Cook, Andrew Coyle, Anthony MacDonald, Jim Welsh and Tim Jones
- ❑ [Using XML/XMI for Tool Supported Evolution of UML Models](#)  
Frank Keienburg and Andreas Rausch
- ❑ [An Active and Adaptive Reuse Repository System](#)  
Yunwen Ye
- ❑ [Lost and Found in Software Space](#)  
Till Schümmer

Main Menu

Tracks

Minitracks

## Standardisation in Information Technology

---

*Introduction <-- Click on above title*

- ❑ [Standardization and the Competition Between Standard Business Software and Framework Technology - Policy Implications for the Management and the Standardization Organizations](#)  
Bernd Reitwiesner, Stefan Volkert and Melanie Frank
- ❑ [Proprietary vs. Open Standards in the Network Era: An Examination of the Linux Phenomenon](#)  
Joel West and Jason Dedrick
- ❑ [The Real Options Approach to Standardization](#)  
Mark Gaynor and Scott Bradner
- ❑ [Standardizing Management of Software Engineering Projects](#)  
Roy Rada
- ❑ [Software Quality Management and Software Process Improvement in Denmark](#)  
Karlheinz Kautz and Faisal Ramzan
- ❑ [Why Java™ Was - Not - Standardized Twice](#)  
Tineke M. Egyedi

Main Menu

Tracks

Minitracks

## Strategic and Competitive Information Systems

---

*Introduction <-- Click on above title*

- ❑ [Should We Wait? Network Externalities and Electronic Billing Adoption](#)  
Yoris A. Au and Robert J. Kauffman
- ❑ [Incentives to Share Knowledge](#)  
Markus Feurstein, Martin Natter, Andreas Mild and Alfred Taudes
- ❑ [The Impact of Information Technology on Quality Improvement, Productivity, and Profits: An Analytical Model of a Monopolist](#)  
Matt E. Thatcher and Jim R. Oliver
- ❑ [This Paper is Great! or Achieving the Optimal Balance Between Investment in Quality and Investment in Self-Promotion](#)  
Eric K. Clemons and Ravi Aron
- ❑ [Forward vs. Spot Buying of Information Goods on Web: Analyzing the Consumer Decision Process](#)  
Pavan Gundepudi, Nils Rudi and Abraham Seidmann

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Strategies for Healthcare Information Systems

---

*Introduction <-- Click on above title*

- ❑ [Exploring ICT Enabled Networking in Hospital Organisations](#)  
Ronald Spanjers, Willi Hasselbring, Ryan Peterson and Martin Smits
- ❑ [Distributed Knowledge Management in Health Care Administration](#)  
Michael Holm Larsen and Mogens Kühn Pedersen
- ❑ [IS/IT: Enabling Medical Group Practices in a Managed Care Environment](#)  
Nilmini Wickramasinghe and J. B. Silvers

Main Menu

Tracks

Minitracks

Click on title for a paper.





## Technology Management for Doing Business in the Knowledge Based Economy

---

*Introduction <-- Click on above title*

- ❑ [Physical Retailing Takes on Internet Retailing: A Preliminary Model of Book Retailer Web Strategies based on Perceived Threats and Opportunities](#)

Michelle L. Kaarst-Brown and J. Roberto Evaristo

- ❑ [Building the Record Keeping System \(RKS\). Process Improvement Triggered by Management of Archival Documents](#)

Geert-Jan van Bussel, G. John van der Pijl, Ferdinand Ector and Pieter Ribbers

- ❑ [Aligning Business and Information Technology through the Balanced Scorecard at a Major Canadian Financial Group: its Status Measured with an IT BSC Maturity Model](#)

Wim Van Grembergen and Ronald Saull

- ❑ [Integration between Business Planning and Information Systems Planning: An Analysis of Technology Exploration and Exploitation in Different Value Configurations](#)

Petter Gottschalk and Hans Solli-Sæther

Main Menu

Tracks

Minitracks

## Technology Supported Learning

---

*Introduction <-- Click on above title*

- ❑ [GSS Facilitation Restrictiveness in Collaborative Learning](#)  
Mohamed Khalifa, Ron Kwok and Robert Davison
- ❑ [Learning Programming Using Program Visualization Techniques](#)  
Lynne P. Baldwin and Jasna Kuljis
- ❑ [Supporting Problem Based Learning by a Collaborative Virtual Environment: A Cooperative Hypermedia Approach](#)  
Yongwu Miao and Jörg M. Haake

Main Menu

Tracks

Minitracks

## Telemedicine

---

*Introduction <-- Click on above title*

- ❑ [The Healthcare Information Technology Context: A Framework for Viewing Legal Aspects of Telemedicine and Teleradiology](#)  
Jill Lynn Tyler
- ❑ [Rural Post - Acute Stroke Care Using Multidisciplinary Telerehabilitation](#)  
Cynthia Scheideman-Miller, Pamela G. Clark, Bob Hodge and David Prouty
- ❑ [Evaluation and Telehealth - An Interpretative Study](#)  
Ela Klecun-Dabrowska and Tony Cornford
- ❑ [Investigating Technology Implementation in a Neurosurgical Teleconsultation Program: A Case Study in Hong Kong](#)  
Paul Jen-Hwa Hu, Patrick Y. K. Chau, Y. K. Chan and John C. K. Kowk
- ❑ [In the Kingdom of Expertness, the Profane is King Carriers of Medical Innovations](#)  
Benoît Dardelet
- ❑ [Telecommunication as a Medicine for General Practitioners](#)  
Peter J. B. Lagendijk, Roel W. Schuring and Ton A. M. Spil

Main Menu

Tracks

Minitracks

## Topics in Organizational Systems and Technology

---

*Introduction <-- Click on above title*

- [Change Management at Mobil Oil Australia](#)  
Ian Martin and Yen Cheung
- [From Reengineering to Process Management - A Longitudinal Study of BPR in a Danish Manufacturing Company](#)  
Michael Holm Larsen and Niels Bjørn-Andersen
- [Organizing the Information Management Process in Process-Based Organizations](#)  
Philip Seltsikas
- [Technopreneurial Inclinations and Career Management Strategy among Information Technology Professionals](#)  
Patrick Chang Boon Lee
- [Organizational Roles and Communication Modes in Team Work](#)  
Antonios Michailidis and Roy Rada
- [What Skills do Employers Require from People who Work in the IT Client Support Role?](#)  
Katrina Stott and William Kenneth Wood

Main Menu

Tracks

Minitracks



# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Antecedents of Implementation Success: A Comprehensive Framework](#)  
Kai R. T. Larsen
- ❑ [The Influences of Media Choice on Help Desk Performance Perception](#)  
Zoonky Lee, Yongbeom Kim and Sang-Gun Lee
- ❑ [Expert versus Novice Use of the Executive Support Systems: An Empirical Study](#)  
Shin-Yuan Hung

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



## Trading of Intangible Goods

---

*Introduction <-- Click on above title*

- [Models and Languages for Digital Rights](#)  
Carl A. Gunter, Stephen T. Weeks and Andrew K. Wright
- [Development of Personal Authentication System Using Fingerprint with Digital Signature Technologies](#)  
Yoshiaki Isobe, Yoichi Seto and Masanori Kataoka
- [Steganographic Watermarking for Documents](#)  
Benjamín Barán, Santiago Gómez and Víctor Bogarín
- [A Business and Domain Model for Information Commerce](#)  
Mehdi Jazayeri and Ivana Podnar
- [webXice: An Infrastructure for Information Commerce on the WWW](#)  
Andreas Wombacher, Paraskevi Kostaki and Karl Aberer
- [Implementing B2B Contracts Using BizTalk](#)  
Charles Herring and Zoran Milosevic
- [Web Based e-Government Data Distribution](#)  
Paul J. Fortier and Andrew Smart
- [From Physical to Digital Delivery: Definition, Scope and Tariff Revenue Implications of Electronic Goods Trading](#)  
Susanne Teltscher

Main Menu

Tracks

Minitracks

## Trends in Outsourcing of Information Systems

---

*Introduction <-- Click on above title*

- ❑ [Developing Outsourcing Strategies for MIS: A Mathematical Programming Approach](#)  
L. Douglas Smith, Ashok Subramanian, Robert M. Nauss and Ron Beck
- ❑ [Managing External Relationships in IS](#)  
James D. McKeen and Heather A. Smith
- ❑ [IT Outsourcing Risk Management at British Petroleum](#)  
Benoit A. Aubert, Michel Patry, Suzanne Rivard and Heather Smith
- ❑ [An Exploration of the Application Service Provision Outsourcing Option](#)  
Thomas Kern and Jeroen Kreijger
- ❑ [Knowledge Management as a Framework for Understanding Public Sector Outsourcing](#)  
Gayle Beyah and Michael Gallivan

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

## UML: A Critical Evaluation and Suggested Future

---

*Introduction <-- Click on above title*

- ❑ [On Transformations from UML Models to Object-Relational Databases](#)  
Wai Yin Mok and David P. Paper
- ❑ [Transforming the OOram Three-Model Architecture into a UML-Based Process](#)  
Jesús García Molina, M. José Ortín, Begoña Moros, Joaquín Nicolás and Ambrosio Toval
- ❑ [Problem and Design Spaces During Object-Oriented Design: An Exploratory Study](#)  
Sandeep Puroo, Ashley Bush and Matti Rossi
- ❑ [UML: An Evaluation of the Visual Syntax of the Language](#)  
Stephen Morris and George Spanoudakis
- ❑ [UML - Compatible Processes](#)  
Brian Henderson-Sellers, Graham Collins and Ian Graham
- ❑ [Beyond Stereotyping: Metamodeling Approaches for the UML](#)  
Ansgar Schleicher and Bernhard Westfechtel
- ❑ [Some Problems with the UML V1.3 Metamodel](#)  
Brian Henderson-Sellers

Main Menu

Tracks

Minitracks



# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Augmenting UML with Fact-Orientation](#)  
Terry Halpin
- ❑ [How to Make Apples from Oranges in UML](#)  
Petri Selonen, Kai Koskimies and Markku Sakkinen
- ❑ [Extending UML for Modeling Web Applications](#)  
Luciano Baresi, Franca Garzotto and Paolo Paolini



Main Menu

Tracks

Minitracks

Click on title for a paper.



## User Experience: Collaboration Systems and Knowledge Management

---

*Introduction <-- Click on above title*

- ❑ [A GDSS-Based Approach to the Strategy Analysis of Forest Industries](#)  
Jukka Korpela, Pentti Sierilä and Markku Tuominen
- ❑ [Conceptual Approaches for Personal and Corporate Information and Knowledge Management](#)  
Andrew J. Slade and Albert F. Bokma
- ❑ [Coupling Computer-Supported Co-operative Work- and Hypermedia Technology for Distance Education Solutions](#)  
Andreas Auinger, Wolfgang Karrer and Chris Stary
- ❑ [ThinkLets: Achieving Predictable, Repeatable Patterns of Group Interaction with Group Support Systems \(GSS\)](#)  
Robert O. Briggs, Gert-Jan de Vreede, Jay F. Nunamaker, Jr. and David Tobey
- ❑ [A Conceptual Model for Learning Internet Searching on the Internet](#)  
Lorna Uden, Albert Alderson and Stephen Teame
- ❑ [Use of GDSS in Technology Selection: Experiences and Findings](#)  
Marko Torkkeli and Markku Tuominen

Main Menu

Tracks

Minitracks

# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [A Framework for Collaboration and Knowledge Management](#)  
Jay F. Nunamaker, Jr., Nicholas C. Romano, Jr. and Robert Owen Briggs
- ❑ [The Technology Transition Model: A Key to Self-Sustaining and Growing Communities of GSS Users](#)  
Robert O. Briggs, Jay F. Nunamaker, Jr. and David Tobey
- ❑ [Surfacing Tacit Knowledge in Requirements Negotiation: Experiences Using EasyWinWin](#)  
Paul Grünbacher and Robert O. Briggs
- ❑ [Consequence Management through an Innovative Use of Collaboration Tools](#)  
Robert J. Harder, Alan E. Barrick and Daniel Hocking
- ❑ [The Automated Application of a Group Support System \(GSS\) for a Quality Self-Assessment Process](#)  
Alan Weatherall and Anthony Adams
- ❑ [GroupIntelligence: Automated Support for Capitalizing on GroupKnowledge](#)  
Stephan Verveen, Michiel van Genuchten, Robert Schuwer, Theo Bemelmans and Jules de Waart

Main Menu

Tracks

Minitracks

Click on title for a paper.



# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Experience Using Collaborative Technology with the United Nations and Multi-National Militaries: Rim of the Pacific 2000 Strong Angel Exercise in Humanitarian Assistance](#)  
Mark Adkins, John Kruse, Laurie E. Damianos, JoAnn Brooks, Robert Younger, Eric Rasmussen, Yelena M. Rennie, Beatrice Oshika and Jay F. Nunamaker, Jr.
- ❑ [Improving Group Creativity: Brainstorming Versus Non-Brainstorming Techniques in a GSS Environment](#)  
Jillian M. Hender, Thomas L. Rodgers, Douglas L. Dean and Jay F. Nunamaker, Jr.
- ❑ [Developing Use-Cases in a Group](#)  
G. D. Hubert and Carolyn L. Cukierman
- ❑ [Supporting Higher Education through Electronic Meeting Support in Tanzania](#)  
Gert-Jan de Vreede and Rabson J. S. Mgya
- ❑ [Group Support for Negotiating Change in a Global, Highly Politicized Inter-Organizational Network](#)  
Jaco Appelman and Sajda Qureshi
- ❑ [Applying the Technology Transition Model to GSS Fielding](#)  
John Kruse, Mark Adkins and Robert O. Briggs
- ❑ [Meeting Analysis: Findings from Research and Practice](#)  
Nicholas C. Romano, Jr. and Jay F. Nunamaker, Jr.

Main Menu

Tracks

Minitracks

Click on title for a paper.



# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Bridging Japanese and American Business Procedures Using SMAD \(Structured Manuals Analysis and Design\) and its Effect on Knowledge Management & Enterprise Education](#)  
Yoichi Masuzawa
- ❑ [Building a Group Decision Support Laboratory](#)  
Daniel A. Peak
- ❑ [An Agent-Based Network Consultation System Using Cooperation Between a Sales Organization and Multi-Agents](#)  
Hiroshi Yajima, Tadashi Tanaka and Yoji Taniguchi
- ❑ [Experiences with Collaborative Applications that Support Distributed Modeling](#)  
James Lee, Conan Albrecht and Jay F. Nunamaker, Jr.

[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.



# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

## Virtual and Knowledge-Based Organization

---

*Introduction <-- Click on above title*

- ❑ [Defining Knowledge: An Epistemological Foundation for Knowledge Management](#)  
John Biggam
- ❑ [Stage Model for Knowledge Management](#)  
Jang-Hwan Lee, Young-Gul Kim and Sung-Ho Yu



Main Menu

Tracks

Minitracks

Click on title for a paper.



## Waiting for the Web

---

*Introduction <-- Click on above title*

- [Performance, Usability and the Web](#)  
Innes Ritchie and Chris Roast
- [Browsing the Web: Delay, Determination and Satisfaction](#)  
Fintan Culwin and Kristine Faulkner
- [An Empirical Analysis of Web Page Revisitation](#)  
Bruce McKenzie and Andy Cockburn
- [Mining Generalized Query Patterns from Web Logs](#)  
Charles X. Ling, Jianfeng Gao, Huajie Zhang, Weining Qian and Hongjiang Zhang
- [Multi-Level Web Surfing](#)  
Tsang-Ming Jiang, Wenyu Cao and Dale Clark
- [Correlation-Based Document Clustering Using Web Logs](#)  
Zhong Su, Qiang Yang, Hongjiang Zhang, Xiaowei Xu and Yuhen Hu
- [Taylor Series Prediction: A Cache Replacement Policy Based on Second-Order Trend Analysis](#)  
Qiang Yang, Haining Henry Zhang and Hui Zhang

Main Menu

Tracks

Minitracks

## Web Engineering

---

*Introduction <-- Click on above title*

- ❑ [A Component-Based Architecture for the Development and Deployment of WAP-Compliant Transactional Services](#)  
Mario Cannataro and Domenico Pascuzzi
- ❑ [Interaction Markup Language - An Open Interface for Device Independent Interaction with E-Commerce Applications](#)  
Karl M. Göschka and Robert Smeikal
- ❑ [Using an Engineering Approach to Understanding and Predicting Web Authoring and Design](#)  
Emilia Mendes, Nile Mosley and Steve Counsell
- ❑ [Supporting Reusable Web Design with HDM-Edit](#)  
Franca Garzotto, Paolo Paolini and Luciano Baresi
- ❑ [Automatic HTML Generation from Formal Hypermedia Specifications](#)  
Rosemeire Shibuya, Willie Dresler Leiva, Maria Cristina F. de Oliveira and Paulo Cesar Masiero
- ❑ [A Practitioner's Approach to Evolving and Remodeling Large-Scale WWW Sites](#)  
Paris A. Zafiris, Nektarios P. Georgantidis, George E. Kalamaras, Sotiris P. Christodoulou and Theodore S. Papatheodorou

Main Menu

Tracks

Minitracks

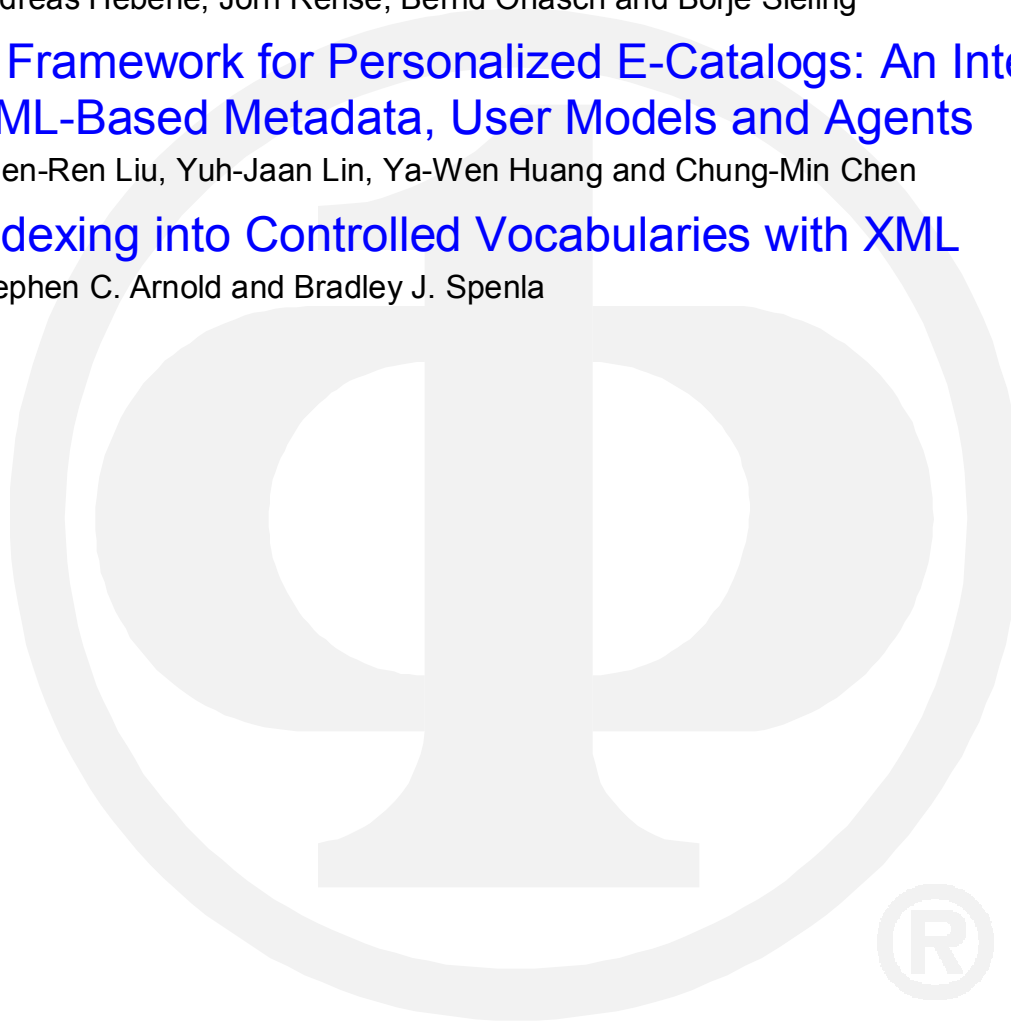




# Papers by Minitrack

Thirty-Fourth Annual  
Hawaii International  
Conference on  
System Sciences

- ❑ [Utilizing Abstract WebEngineering Concepts: An Architecture](#)  
Andreas Heberle, Jörn Rehse, Bernd Onasch and Börje Sieling
- ❑ [A Framework for Personalized E-Catalogs: An Integration of XML-Based Metadata, User Models and Agents](#)  
Duen-Ren Liu, Yuh-Jaan Lin, Ya-Wen Huang and Chung-Min Chen
- ❑ [Indexing into Controlled Vocabularies with XML](#)  
Stephen C. Arnold and Bradley J. Spenla



[Main Menu](#)

[Tracks](#)

[Minitracks](#)

Click on title for a paper.

