



SAINT2008

The 2008 Symposium on Applications & the Internet

Turku, FINLAND
July 28 - Aug. 1, 2008

ADVANCE PROGRAM (draft as of June 17, 2008)

Co-sponsored by the IEEE Computer Society (IEEE-CS) and
the Information Processing Society of Japan (IPSJ).



The SAINT2008 would like to thank the following
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The 2008 Symposium on Applications & the Internet

Program At-a-Glance

		Room (LAMBDA)	Room (MU)	Room (SIGMA)
July 28 Mon	08:30-10:00	Workshop (SWDMNSS)		
	10:30-12:00	Workshop (SWDMNSS)	Workshop (DAS-P2P)	
	13:30-15:00	Workshop (SWDMNSS)	Workshop (DAS-P2P)	
	15:30-17:00	Workshop (SWDMNSS)	Workshop (DAS-P2P)	
	18:30-21:00	Welcome Reception		
July 29 Tue	08:30-10:00	Joint COMPSAC/SAINT Keynote (Lee Williams, Nokia) (Room IX+X)		
	10:30-12:00	Workshop (HEUNET)	Workshop (Mid Arch)	
	13:30-15:00	Workshop (HEUNET)	Workshop (Mid Arch)	
	15:30-17:00	Workshop (HEUNET)	Workshop (Mid Arch)	
	18:30-21:00	Conference Reception		
July 30 Wed	08:30-10:00	SAINT Opening Keynote (Kilnam Chon, Korea) (Room X)		
	10:30-12:00	Simposium Session #1 Network Architecture	Workshop (SPeL)	Workshop (UNECAS)
	13:30-15:00	Simposium Session #2 Web Services	Workshop (SPeL)	Workshop (UNECAS)
	15:30-17:00	Talks on Future SAINT - everyone is welcome (Room LAMBDA)		
	18:30-22:00	Conference Banquet		
July 31 Thu	08:30-10:00	Joint COMPSAC/SAINT Keynote (Jean Holly, Tellabs) (Room IX+X)		
	10:30-12:00	Simposium Session #3 Security 1	Workshop (PCFNS)	Workshop (PASN)
	13:30-15:00	Simposium Session #4 Security 2	Workshop (PCFNS)	Workshop (PASN)
	15:30-17:00	Panel (Power Consumption Target of Network Systems in the 2030's) (Room LAMBDA)		
Aug. 1 Fri	08:30-10:00	Simposium Session #5 Search and Verification	Workshop (ITeS)	Workshop (NGSP-FMS)
	10:30-12:00	Simposium Session #6 Collaboration	Workshop (ITeS)	Workshop (NGSP-FMS)
	12:30-13:30	Closing Panel (Reviews and Futures of Workshops) (Room LAMBDA)		

- Workshop (SWDMNSS) : SensorWebs, Databases and Mining in Networked Sensing Systems
- Workshop (HEUNET) : Heuristic Methods for the Design, Deployment, and Reliability of Networks and Network Applicator
- Workshop (DAS-P2P) : Dependable and Sustainable Peer-to-Peer Systems
- Workshop (Mid Arch) : Middleware Architecture in the Internet
- Workshop (SPeL) : Social and personal Computing for Web-supported Learning Communities
- Workshop (UNECAS) : Ubiquitous Networking and Enablers to Context-Aware Services
- Workshop (PCFNS) : Power Consumptions in Future Network Systems
- Workshop (PASN) : Practical Applications of Sensor Networking
- Workshop (ITeS) : IT enabled Services
- Workshop (NGSP-FMS) : Next Generation Service Platforms for Future Mobile Systems

Note that Room IX and X are in Auditoriums, and approx 5-10 mins from the ICT building.

SYMPOSIUM - Keynotes, Paper Sessions, Panels

Tuesday, 29 July

Joint COMPSAC/SAINT Keynote

08:30-10:00

Leveraging Distributed Computing Concepts in Mobile
Mr. Lee Williams (Nokia, Finland)

Wednesday, 30 July

SAINT Opening

08:30-08:45

SAINT Opening Keynote

08:45-10:00

Future Internet for The Other Billions - Research Opportunity
Prof. Kilnam Chon (Korea)

Session 1 Network Architecture and Performance

10:30-12:00

Chair: TBD

Performance Measurements and Statistics of Tor Hidden Services
Karsten Loesing, Werner Sandmann, Christian Wilms and Guido Wirtz
Dynamic Relay Node Placement in Wireless Sensor Networks
Jorge Mena and Vana Kalogeraki
DHT Network with Link Access Control using a Social Network
Kimihiro Ando, Atsuo Fukagai, Kohta Ohshima and Matsuaki Terada

Session 2 Web Services

13:30-15:00

Chair: TBD

Semantic Web Services Discovery by Matching Temporal Restrictions
Cassio Prazeres, Maria da Graca Pimentel and Cesar Augusto Teixeira
On the Enhancement of BPEL Engines for Self-Healing Composite Web Services
Sattanathan Subramanian, Philippe Thiran, Nanjangud Narendra,
Ghita Kouadri, Mostefaoui and Zakaria Maamar
A Web Service Communication Policy for Describing Non-Standard Application
Requirements
Steffen Heinzl, Markus Mathes and Bernd Freisleben

Talks on Future SAINT - everyone is welcome

15:30-17:00

Chair: TBD

TOPICS:

- Review Theme of SAINT
- Ideas to further collaboration with COMPSAC
- Ideas to further enhancement of SAINT
- Planning SAINT2009

Thursday, 31 July

Joint COMPSAC/SAINT Keynote

08:30-10:00

Generation Y: Understanding the Trend and Planning for the Impact
Ms. Jean Holley (Tellabs, Inc. USA)

Session 3 Security 1

10:30-12:00

Chair: TBD

ROOK: Multi-Session based Network Security Event Detector

Masayoshi MIZUTANI, Shin Shirahata, Masaki Minami and Jun Murai
A Generalized Feature Extraction Scheme to Detect 0-Day Attacks via IDS Alerts

Jungsuk SONG, Hiroki TAKAKURA and Yongjin KWON

Function Call Mechanism based Executable Code Detection for the Network Security

Daewon Kim

Session 4 Security 2

13:30-15:00

Chair: TBD

Extracting Worm-Infected Hosts Using White List

Noriaki Kamiyama, Tatsuya Mori, Ryoichi Kawahara, Shigeaki Harada and Hideaki Yoshino

Manager-Based Architecture in Ad Hoc Network Intrusion Detection System for Fast Detection Time

Muhammad Arifin Ritonga and Masaya Nakayama

Secure Framework for Integrated Multipath MANET with Internet

Binod Vaidya and SeungJo Han

Panel Power Consumption Target of Network Systems in the 2030's

15:30-17:00

Chair: Tohru Asami (The University of Tokyo)

Panelist:

Luc Ceuppens (Juniper Networks)

Minoru Etoh (NTT DoCoMo Research Laboratories)

Mutsuo Hidaka (International Superconductivity Technology Center)

Shigeki Aisawa (NTT Network Innovation Laboratories)

Manos M. Tentzeris (Georgia Institute of Technology)

Yoshio Yasumoto (Matsushita Electric Industrial Co. Ltd.)

THEME OF THE PANEL DISCUSSION

After the Kyoto Protocol was adopted in 1997 for the prevention of global warming, establishing an energy-saving society has been widely agreed as the most important task for our century of technologies. The energy consumption of networks is rather small compared to other industries, but is reported to be increasing very fast during the last decade. The speed of increase will be even faster considering the explosion of network devices and the penetration of high speed networks. Although networks will be one of the most important infrastructures of the future society, the overall energy effect by the networks has not been intensively discussed yet. In this panel accompanied by a related workshop, discussions will be made on architecture and technical challenges on reducing the energy consumption by the future networks from academic / industrial / operational points of view.

The panelists will try to answer the following questions:

1. How much energy do the future network services consume in overall in 2030?
2. What should the possible target of energy consumption by networks be in 2030?
3. What will be the important technical challenges for that target?
4. How about the contribution of photonic or other technologies for power reduction?
5. What are energy-saving technologies for information appliances?
6. What kind of power reduction methods will be used for commercial wireless networks?
7. How about the sensor networks and energy controls?
8. To what extent will energy harvesting technologies be successful?

Friday, 1 August

Session 5 Search and Verification

08:30-10:00

Chair: TBD

Tiny LSH for Content-based Copied Video Detection

Kenichi Yoshida and Noboru Murabayashi

Efficient Information Searching Methods Based on User Utility in Super Distributed Environments

Shinji Sugawara, Hiroyuki Ohnishi and Yutaka Ishibashi

An Abstract Generic Framework for Web Site Verification

Maria Alpuente, Demis Ballis, Moreno Falaschi, Pedro Ojeda and Daniel Romero

Session 6 Collaboration

10:30-12:00

Chair: TBD

Huffman-DHT : Index Structure Refinement Scheme for P2P Information Retrieval

Hisashi Kurasawa, Atsuhiko Takasu and Jun Adachi

inContext: a Pervasive and Collaborative Working Environment for Emerging Team Forms

Hong-Linh Truong, Schahram Dustdar, Dino Baggio, Christoph Dorn, Giovanni Giuliani, Robert Gombotz, Yi Hong, Pete Kendal, Christian Melchiorre, Sarit Moretzky, Sebastien Peray, Axel Polleres, Stephan Reiff-Marganiec, Daniel Schall, Simona Stringa, Marcel Tilly and Hong Qing Yu

Group-Based Image Retrieval Method for Video Annotation

Noboru Murabayashi, Setsuya Kurahashi and Kenichi Yoshida

Closing Panel Reviews and Futures of Workshops

12:30-13:30

Chair: TBD

Panelist:

(Organizers of Workshops)

TOPICS:

- Review and study status of each Workshop's technical field
- Further study itmes of each Workshop
- Future plan of each Workshop and SAINT

Workshops

Monday, July 28

The 2nd International Workshop on SensorWebs, Databases and Mining in Networked Sensing Systems (SWDMNSS 2008)

Welcome note by WS Organizers

Yoh Shiraishi, Christian Decker, Susanna Pirttikangas and Yoshito Tobe

Session 1: Wireless Sensor Networks

Session Chair: Michael Beigl (Technical University Braunschweig, Germany)

Scalable Sensor Data Management under Frequent Content Changes in Peer-to-Peer Network

Masatoshi Sekine and Kaoru Sezaki

Matrix Routing - An interference range insensitive routing protocol for Wireless Sensor Networks

Monty Beuster, Michael Beigl, Daniel Roehr, Till Riedel, Christian Decker and Martin Berchtold

Design and Implementation of sensor network on the NGN/IMS

Yasuhiro Araki, Minh Tuan Nguyen and Hiroyuki Morikawa

Managing Heterogeneous Data Flows in Wireless Sensor Networks Using a 'Split Personality' Mote Platform

Danny Hughes, Geoff Coulson and G. Blair

Session 2: Data Management and Modeling

Session Chair: Susanna Pirttikangas (University of Oulu, Finland)

Experiences on Data Collection Tools for Wearable and Ubiquitous Computing

Susanna Pirttikangas, Kaori Fujinami and Simo Hosio

Capturing Personal Health Data From Wearable Sensors

Fabrice Camous, Donall McCann and Mark Roantree

Models and Issues on Probabilistic Data Stream Systems with Bayesian Networks

Hideyuki Kawashima, Ryo Sato and Hiroyuki Kitagawa

Creating Location-based Services by utilising a Web of Places

Benedikt Ostermaier and Philipp Bolliger

Session 3: Sensing Techniques and Applications

Session Chair: Yoh Shiraishi (The University of Tokyo, Japan)

Detection of pedestrians using subtraction stereo

Yuuki Hashimoto, Yusuke Matsuki, Kazunori Umeda, Tatsuya Nakanishi, Kei Suzuki and Kazunori Takashio

UME: Method for estimating user movement using an acceleration sensor

Arei Kobayashi, Takeshi Iwamoto and Satoshi Nishiyama

Foot-Step Input Method for Operating Information Devices on Jogging,

Tetsuya Yamamoto, Masahiko Tsukamoto and Tomoki Yoshihisa

Life2Guard: A Physical Disorder Detection in Private Rooms

Naoya Namatame, Jin Nakazawa, Kazunori Takashio and Hideyuki Tokuda

Session 4: Frameworks for Networked Sensing Systems

Session Chair: Christian Decker (University of Karlsruhe, Germany)

ContextXML: A data processing framework for Ubiquitous Computing

Daniel Wildschut, Till Riedel, Christian Decker, Michael Beigl, Daniel Roehr and Manabu Isomura

Towards a Common Sensor Network API: Practical Experiences

Filip Suba, Christian Prehofer and Jilles van Gurp

Sharing Worldwide Sensor Network

Lei Shu, Manfred Hauswirth, Long Cheng and Vinny Reynolds

The Third International Workshop on Dependable and Sustainable Peer-to-Peer Systems (DAS-P2P 2008)

Welcome note by WS Organizers

Yusuke Doi, Youki Kadobayashi, Akiko Orita and Kenji Saito

Session 1: Identity, Reputation and Trust

Session Chair: Kenji Saito (Keio University, Japan)

Invited talk: Towards accountable anonymity/pseudonymity design

Akiko Orita -presentation only-

A Sybil-resilient reputation metric for P2P applications

Anh Dinh and Mark Ryan

A Recommender Scheme for Peer-to-Peer Systems

Loubna Mekouar, Youssef Iraqi and Raouf Boutaba

Session 2: Reliability and Self-Organization

Session Chair: Youki Kadobayashi (Nara Institute of Science and Technology, Japan)

A Reliability Model for Result Checking in Volunteer Computing

Xu Ling, Hong Wang, Hiroyuki Takizawa and Hiroaki Kobayashi

Bootstrapping of Peer-to-Peer Networks

Chris Gauthier Dickey and Christian Grothoff

Analysis of a Self-Organizing Maintenance Algorithm Under Constant Churn

Anh Dinh, Richard Price and Georgios Theodoropoulos

A Design for Distributed Backup and Migration of Distributed Hash Tables

Yusuke Doi, Shirou Wakayama and Satoshi Ozaki

Session 3: Fairness and Social Responsibility

Session Chair: Yusuke Doi (TOSHIBA Corporation, Japan)

SSS: A Personal File Storage System Considering Fairness among Users Based on Pure P2P Model

Shouta Morimoto and Fumio Teraoka

Local Production, Local Consumption Storage Economics for Peer-to-Peer Systems

Kenji Saito and Eiichi Morino

Talking circle (discussion): Towards P2P Social Responsibility

Yusuke Doi, Youki Kadobayashi, Akiko Orita and Kenji Saito -presentation only-

Tuesday, July 29

Workshop on Heuristic Methods for the Design, Deployment, and Reliability of Networks and Network Applications (HEUNET 2008)

Welcome note by Workshop Organizers

Mario Köppen and Günther Raidl

Session 1: Networks and Network Applications

Session Chair: Günther Raidl (Vienna University of Technology)

A Multilevel Approach for the Routing and Wavelength Assignment Problem

Thomas Fischer, Kerstin Bauer and Peter Merz

Integer Programming Approaches to the Problem of Network Upgrading

Toshihide Ibaraki, Toshihide Nomura and Masahiro Sasaki

Variable Neighborhood Search for a Prize Collecting Capacity Constrained Connected Facility Location Problem

Markus Leitner and Günther Raidl

Wireless Sensor Network Deployment Using a Memetic Simulated Annealing

Guillermo Molina and Enrique Alba

Efficiency Analysis on an Information-sharing process with randomly-moving mobile sensors

Akihiro Fujihara and Hiroyoshi Miwa

Session 2: Network Design, Deployment and Reliability

Session Chair: Mario Köppen (Kyushu Institute of Technology)

Some Communication Aspects in Extended Fibonacci Cubes

Ioana Zelina, Grigor Moldovan and Petrica Pop

Optimization of The Answering Method with Probability Conversion

Atsushi Tagami, Chikara Sasaki, Teruyuki Hasegawa, Shigehiro Ano and Yoichi Tomiura

Evolutionary Approach to Maxmin-Fair Network-Resource Allocation

Mario Köppen, Masato Tsuru and Yuji Oie

A GRASP Algorithm for the Connected Facility Location Problem

Alessandro Tomazic and Ivana Ljubic

Heuristic Cut Separation in a Branch & Cut Approach for the Bounded Diameter Minimum Spanning Tree Problem

Martin Gruber and Günther Raidl

Workshop on Middleware Architecture in the Internet (Mid Arch 2008)

Welcome note by WS Organizing Committee

Hideaki Sone

Session 1: Grid Computing Middleware

Session Chair: Hideaki Goto (Tohoku University)

A Dynamic Window Control Method of Grid Middleware for Volume Data Transfer to Make the Best Use of Reservation Bandwidth

Naoto Ikeda, Masaaki Noro, Ken-ichi Baba and Shinji Shimojo

Consideration of Resource Access History for Optimizing Overlay Networks in P2P-based Resource Discovery

Tsutomu Inaba, Yoshitomo Murata, Hiroyuki Takizawa and Hiroaki Kobayashi

A Communication Relay Mechanism toward Virtual Cluster Computing on the Grid

Yasuyuki Kusumoto, Susumu Date and Kohei Ichikawa

An Authentication System Development in Application of Grid Middleware to A Nationwide Joint-Use Environment for Computing

Eisaku Sakane, Manabu Higashida, Shingo Okamura, Toyokazu Akiyama,

Yuuichi Teranishi, Ken-ichi Baba and Shinji Shimojo

Session 2: Network Middleware

Session Chair: Motonori Nakamura (NII)

Invited talk: The authentication and authorization infrastructure of a multi-domain network monitoring tool

Candido Rodriguez (RedIRIS) -presentation only-

Resource Access Control for Wireless LAN Roaming Systems

Yoshikazu Watanabe, Hideaki Goto and Hideaki Sone

Realizing Policy Roaming by cooperating Edge-Mobility and Authentication Systems

Kouji Nishimura, Tohru Kondo, Koichi Tashima, Seigo Kishiba and

Reiji Aibara

Proposal of New Layer of Indirection between Application and Transport Layers for Flexible Communications in IP Networks

Nobuo Ryoki, Hiroyuki Koga, Kenji Kawahara and Yuji Oie

Session 3: AAI

Session Chair: Susumu Date (Osaka Universtiy)

Invited talk: Identity federations in European higher education

Mikael Linden (CSC, the Finnish IT Center for Science) -presentation only-

Privacy Oriented Attribute Exchange in Shibboleth Using Magic Protocols

Toshihiro Takagi, Takaaki Komura, Shuichi Miyazaki and Yasuo Okabe

Implementation of PKI Authentication Functions for Network User

Authentication System "Opengate"

Suguru Fujisawa, Makoto Otani and Kenzi Watanabe

LESSO: Legacy Enabling SSO
Takeshi Nishimura and Hiroyuki Sato

Wednesday, July 30

Workshop on Social and Personal Computing for Web-Supported Learning Communities (SPeL 2008)

Welcome note by WS Organizers
Elvira Popescu, Vincenzo Nicosia and Sabine Graf

Session 1: Social Computing for Web-Supported Learning Communities
Session Chair: Elvira Popescu (University of Craiova, Romania)
Learning from Peers: Motivating Students through Reputation Systems
Andrea Sterbini and Marco Temperini
Developing a Web 2.0 RESTful Cocoon Web Services for Telemedical Education
Sabah Mohammed, Ahmed Orabi, Jinan Fiaidhi and Kalpdrum Passi
CRICOS: A Web-based System for Creating Interconnected Communities
Stefanos Ziovas and Maria Grigoriadou

Session 2: Personal Computing for Web-Supported Learning Communities
Session Chair: Sabine Graf (National Central University, Taiwan)
Sustaining Teacher' Professional Development and Training - VIRBUS
Andreja Istenic Starcic
Analyzing Learners' Interaction with an Educational Hypermedia System: a Focus on Learning Styles
Elvira Popescu, Costin Badica and Philippe Trigano
An Approach for Personalized Web-based Vocabulary Learning through Word Association Games
Jaeyoung Jung and Sabine Graf
Adaptive and Collaborative Learning Using the LMS/LCMS netUniversity
Amir Benmimoun and Philippe Trigano

The Fifth Workshop for Ubiquitous Networking and Enablers to Context-Aware Services (UNECAS2008)

Welcome Note by Workshop Organizers
Shinji Shimojo

Session 1: Service and Security for Ubiquitous Networking
Session Chair: TBD
Practical Study on Providing Event-driven Composite Services for Telecom-enterprise Convergence
Takaaki Moriya, Yuichi Nakatani, Hiroyuki Ohnishi, Makoto Yoshida and Miki Hirano
Evaluation of Social Capital in Context-Aware Content-Provision Service
Yuki Yokohata, Michiharu Takemoto, Makoto Hamada and Toshirou Nakamura
Evaluation of Similarities of Propagation Forms on Social Network for Extracting Relationships of Information
Susumu Takeuchi, Tomohiro Kondoh, Masanori Akiyoshi and Norihisa Komoda
Inter-device Communication Paradigm: Requirements Analysis for Its Security Mechanisms
Manabu Hirano, Takeshi Okuda and Suguru Yamaguchi

Session 2: New Technologies for Ubiquitous Networking
Session Chair: TBD
ULP: A Location Platform that can Handle Multiple Location Representations
Daiki Terauchi, Keisuke Uehara, Yasuhito Watanabe, Hideki Sunahara and Fumio Teraoka
Distributed Sensor Information Management Architecture Based on Semantic

Analysis of Sensing Data

Tomoya Kawakami, Ly Lam Ngoc Bich, Susumu Takeuchi, Yuuichi Teranishi,
Kaname Harumoto and Shojiro Nishio

Quorum-Based Consistency Management for Data Replication in Mobile Ad Hoc
Networks

Akimitsu Kanzaki, Yohei Sawai, Masako Shinohara, Tahahiro Hara and
Shojiro Nishio

An Implementation of Lightweight Message Transport Mechanism for P2P Agent
Platform on Ad-hoc Networks

Kentaro Fujiwara, Yuichi Teranishi, Susumu Takeuchi, Kaname Harumoto
and Shojiro Nishio

Thursday, July 31

Workshop on Power Consumptions in Future Network Systems (PCFNS2008)

Welcome note by WS Organizers

Tohru Asami, Kilnam Chon, Hiroaki Harai and Yoshio Yasumoto

Session 1: Energy Reduction Issues on Wireless Network Systems

Session Chair: Hiroaki Harai (National Institute of Information and
Communications Technology, Japan)

Energy Consumption Issues on Mobile Network Systems

Minoru Etoh, Tomoyuki Ohya and Yuji Nakayama

A Prototype of a Multi-Core Wireless Sensor Node for Reducing Power Consumption

Sotaro Ohara, Makoto Suzuki, Shunsuke Saruwatari and Hiroyuki Morikawa

Novel Energy Harvesting Technologies for ICT Applications

Manos Tentzeris and Yoshifumi Kawahara

Application of Low-power Consumption Superconductive Device Technology to
Real-time Waveform Monitoring for Photonic Network

Mutsuo Hidaka, Michitaka Maruyama and Hideo Suzuki

Session 2: Energy Reduction Issues on Photonic Network Systems

Session Chair: Yoshio Yasumoto (Matsushita Electric Industrial Co. Ltd., Japan)

Power Saving Strategies and Technologies in Current Generation Equipment -
Opportunities and Challenges, Risk and Rewards-

Luc Ceuppens, Daniel Kharitonov and Alan Sardella

Technologies to Save Power for Carrier Class Routers and Switches

Masaki Yamada, Takeki Yazaki, Shinji Nishimura and Naoya Ikeda

Optical Packet & Path Integration for Energy Savings toward New Generation
Network

Hiroaki Harai

Dynamic Optical Path Switching for Ultra-low Energy Consumption and its
Enabling Device Technologies

Shu Namiki, Toshifumi Hasama, Masahiko Mori, Masanobu Watanabe and

Hiroshi Ishikawa

The Latest Trend of Low Power High-speed CMOS I/O Technology for Photonic
Network

Tadashi Ikeuchi, Tszshing Cheung and Hiroshi Onaka

The 2nd International Workshop on Practical Applications of Sensor Networking (PASN)

Welcome note by WS Organizers

Hideki Sunahara, Toshifumi Matsumoto, Hiroshi Esaki and Masaya Nakayama

Session 1: Design and Implementation for Local Area Sensor Networks

Session Chair: Hiroshi Esaki (The Univ. of Tokyo, Japan)

Implementation and Evaluation of a Memory Management System for IPv6 Wireless

Sensor Networks

Hideki Shimada, Takahiko Sato, Kazutoshi Fujikawa and Hideki Sunahara
Observing Walking Behavior of Humans using Distributed Phenomenon Detection
and Tracking Mechanisms

Raja Bose and Abdelsalam Sumi Helal

Obtaining Sensing Data Based on the Proximity of Sensor Nodes

Kazumasa Kojima, Shigeru Kashihara, Teruaki Yokoyama, Takeshi Okuda and
Suguru Yamaguchi

Session 2: Design and Implementation for Global Area Sensor Networks

Session Chair: Hideki Sunahara (Keio Univ., Japan)

Event Detection system with cooperation among Sensor Gateways

Hideki Kamiya, Hiroshi Mineno, Norihiro Ishikawa, Tomoyuki Osano and
Tadanori Mizuno

An Implementation Methodology of Geographical Location based Peer-to-peer
Networks for Managing Ubiquitous Sensors

Satoshi Matsuura, Kazutoshi Fujikawa and Hideki Sunahara

Accuracy-Based Cache Consistency Management for Numerical Object Replication

Hideya Ochiai and Hiroshi Esaki

Friday, August 1

The Workshop on ITeS: IT enabled Services (ITeS)

Welcome note by WS Organizers

Hitoshi Odaka and Shiro Uesugi

Session 1: IT enabled Services: Business Perspectives

Session Chair: Shiro Uesugi (Matsuyama University)

B to C for Revitalizing Rural Economy

Takashi Okamoto

Cluster Analysis of E-Commerce Customer Profiles based on Trust Perception

Kanokwan Atchariyachanvanich and Noboru Sonehara

Enterprise Architecture and Information Systems - In Japanese Banking Industry

-

Takaaki Kamogawa and Hitoshi Okada

From Internet Information Search to Information Summarizing

Yu-Hui Tao

Session 2: Innovations for ITeS

Session Chair: Hitoshi Okada (National Institute of Informatics)

Bridging between Real and Virtual - Technologies to advance ITeS

Shiro Uesugi

A Simple Way to Improve the Security of Bluetooth Devices

Peter Dell and Khwaja Shan-ul-Hasan Ghorri

A network for copyright management and control of private information

Hirotsugu Kinoshita and Tetsuya Morizumi

Possibility of Human Grid Computing for Artificial Intelligence Systems

Yuya Dan

Workshop on Next Generation Service Platforms for Future Mobile Systems (NGSP-FMS)

Welcome note by WS Organizers

Hitoshi Aida and Klaus David

Session1: Mobile Communication Technology on Real Field

Session Chair: Seiichi Yamamoto (The University of Tokyo)

Invited Talk: Mobile Communications for High Speed Vehicles

Ning Ge

Activities for the improvement of the services using the Information and
Communication Technologies on the Tokaido-Shinkansen

Kazuhiro Yamada, Junji Kawazu, Masakatsu Yoshizawa and Takahiko Hoshino
Effective Use of Heterogeneous Wireless Links in High Speed Railways by
Predictive Scheduling

Hitoshi Aida and Shinya Kambori

Session2: Service Platforms for Future Mobile Systems

Session Chair: Klaus David (University of Kassel)

A Framework of Community Management with Object Deputy Mechanism for IP
Multimedia Subsystem

Akio Yamamoto, Yasuhiro Araki and Michael Sweeney

Ad-hoc Endpoint Pairing based on Simultaneous Clicking for Ubiquitous
Communications

Takashi Oshiba, Kazuaki Nakajima and Hideaki Nebayashi