
SAINT-2003 SYMPOSIUM PROGRAM

Refreshments will be provided during both the morning breaks and afternoon breaks in all five days. No lunch will be provided.

Monday, 27 January 2003

SESSION W4-1 - IPv6 and Applications I

SALON E 9:00-17:30

Organizer: Hiroshi Esaki, University of Tokyo, Japan

SESSION W1 - Satellite Internet Collaboration: Our Challenge in Asian Internet Interconnection Initiatives

SAWGRASS 9:00-17:30

Organizers: Jun Murai, Keio University, Japan; Suguru Yamaguchi, Nara Advanced Institute of Science and Technology, Japan; Shoko Mikawa, Keio University, Japan; Achmad Husni Thamrin, Keio University, Japan

SESSION W2 - Service-Oriented Computing: Models, Architectures and Applications

OLEANDER 9:00-15:00

Organizers: Vincenzo D'Andrea, University of Trento, Italy; Mike Papazoglou, Tilburg University, Netherlands & University of Trento, Italy; Paolo Traverso, IRST, Italy; Christoph Bussler, Oracle Corporation, USA; Barbara Pernici, Politecnico di Milano, Italy; Jian Yang, Tilburg University, Netherlands; Maria E Orlowska, Univ. of Queensland, ITEE, Australia

SESSION W5 - AI Applications of the Internet

OLEANDER 15:30-17:30

Organizers: Kenichi Yoshida, University of Tsukuba, Japan; Kazuo Hashimoto, KDDI LABS USA Inc., USA

Tuesday, 28 January 2003

SESSION W4-2 - IPv6 and Applications II

SALON E 9:00-17:30

Organizer: Hiroshi Esaki, University of Tokyo, Japan

SESSION W7 - Security and Assurance in Ad hoc Networks

OLEANDER 9:00-15:00

Organizers: Alec Yasinsac, Florida State University, USA; Mike Burmester, Florida State University, USA

SESSION W6 - Emergency and Lifeline Support of the Internet

OLEANDER 15:30-17:30

Organizers: Hideki Sunahara, Nara Institute of Science and Technology, Japan; Katsuyuki Yamazaki, KDDI Labs, Japan

SESSION T1 - Tutorial "Towards a Global Information Society"

SALON C/D 9:00-12:00

Speaker: Wojciech Cellary, Department of Information Technology, The Poznan University of Economics, POLAND

SESSION T2 - Tutorial "Internet Electronic Business and Web Services Architecture and Applications"

SALON C/D 13:30-17:00

Speaker: Jen-Yao Chung, Institute for Advanced Commerce, IBM T. J. Watson Research Center, Yorktown Heights, New York, USA

WELCOME RECEPTION

SAWGRASS 17:30-19:30

Wednesday, 29 January 2003

SESSION K1 Keynote: "Challenges for Next-generation Internet"

SALON C/D 8:45-10:15

Chair: Carl Chang, Iowa State Univ., USA

Speaker: Krishan Sabnani, Senior Vice President, Networking and Multimedia Communications Research, Bell Labs, USA

SESSION P1 Mobile Internet

SALON C 10:45-12:15

Chair: Tadanobu Okada, NTT Lab., Japan

• *A Generalized Target-driven Cache Replacement Policy for Mobile Environments*: L. Yin, G. Cao, Y. Cai, Pennsylvania State University, USA

• *Context Attributes: An Approach to Enable Context-Awareness for Services Discovery*: C. Lee, S. Helal, University of Florida, USA

• *Environment Adaptive XML Transformation and Its Application to Content Delivery*: A. Kinno, Y. Yonemoto, M. Morioka, M. Etoh, NTT DoCoMo Multimedia Laboratories, Japan

SESSION P2 Collaboration Technology I

SALON D 10:45-12:15

Chair: Wojciech Cellary, Poznan Univ. of Economics, Poland

• *Human Network based Filtering: The Information Propagation Model Based on Word-of-Mouth communication*: S. Takeuchi, Osaka University, Japan; J. Kamahara, Kobe University of Mercantile Marine, Japan; S. Shimojo, H. Miyahara, Osaka University, Japan

• *Virtual Collaboration Spaces: The EVE Community*: C. Bouras, E. Giannaka, T. Tsiatsos, University of Patras, Greece

• *Experimenting a Flexible Awareness Management Abstraction for Virtual Collaboration Spaces*: R. Jota, J. Martins, A. Rito-Silva, J. Pereira, INESC-ID/Technical University of Lisbon, Portugal

SESSION N1 Panel "Broadband Contents Distribution Service and Technologies"

SALON E 10:45-12:15

Chair: M. Imase, Osaka University, Japan

Panelists: Hiroyuki Fuchigami, NEC Corporation, Japan; Michio Kurata, Dai Nippon Printing Co., Ltd., Japan; Eiji Kuwana, NTT Broadband Initiative Inc, Japan; Scott Stevens, Juniper Networks, Inc., Japan; Xin Wang, ContentGuard Inc, USA

SESSION P3 Internet Computing Models

SALON C 13:30-15:00

Chair: Nayeem Islam, DoCoMo Communi. Lab. USA, USA

• *A Scalable Protocol for Deadlock and Livelock Free Co-Allocation of Resources in Internet Computing*: J. Park, Pennsylvania State University, USA

• *Demonstrating the ABLES System Using Real-World Scenario*: J. Murphy, A. Mills-Tettey, L. Wilson, G. Johnston, B. Xie, Dartmouth College, USA

• *BPMM: A Grid Based Architectural Framework for Business Process Meta Management*: J. Jeng, H. Chang, J. Chung, IBM T.J. Watson Research Center, USA

SESSION P4 Collaboration Technology II

SALON D 13:30-15:00

Chair: Ly Sauer, Sandia National Labs, USA

• *An Exclusive Version Locking Scheme in Internet-based Real-time Group Editors*: L. Xue, M. Orgun, Macquarie University, Australia

- *The Consistency Control System of XML Documents*: O. Torii, T. Kimura, J. Segawa, Toshiba Corporate R&D Center, Japan
- *Design and Implementation of Real-time Digital Video Streaming System over IPv6 Network using Feedback Control*: K. Ueda, H. Ohsaki, S. Shimojo, H. Miyahara, Osaka University, Japan

SESSION W8 - Metadata Applications for the Next Generation Internet

SALON E 13:30-17:30

Organizers: Ray Atarashi, CRL, Japan; Shigeo Sugimoto, Tsukuba Univ., Japan; Jay Kishigami, NTT, Japan

SESSION P5 Internet Operation and Performance

SALON C 15:30-17:00

Chair: Linda Wilson, Dartmouth University, USA

- *On Control Parameters Tuning for Active Queue Management Mechanisms Using Multivariate Analysis*: T. Eguchi, H. Ohsaki, M. Murata, Osaka University, Japan
- *A Proposal for a Minimal-State Processing Search Algorithm for Link Scheduling Problems in Packet Radio Networks*: S. Tajima, Osaka University, Japan; N. Funabiki, A. Sugano, Okayama University, Japan; T. Higashino, Osaka University, Japan
- *Java Service Framework for Search Applications*: J. Jeng, L. Kozakov, S. Lumelsky, IBM T.J. Watson Research Center, USA

SESSION P6 Internet Applications

SALON D 15:30-17:00

Chair: Golden G. Richard III, University of New Orleans, USA

- *Filtering Contents by Efficient Evaluation of XPath Expressions*: M. Yuriyama, H. Nakamura, IBM Tokyo Research Laboratory, Japan
- *Robust Pointing by XPATH Language: Authoring Support and Empirical Evaluation*: M. Abe, M. Hori, IBM Tokyo Research Institute, Japan
- *Identifying Junk Electronic Mail in Microsoft Outlook with a Support Vector Machine*: M. Woitaszek, M. Shaaban, R. Czernikowski, University of Colorado at Boulder, USA

CONFERENCE BANQUET

SALON A 17:30-20:00

BANQUET SPEECH: "Higher Education and the Internet" (tentative)

SALON A 18:00-19:00

Speaker: Charles E. Young, President, University of Florida, Gainesville, FL

Thursday, 30 January 2003

SESSION K2 Keynote: "Creating Magic through Technology"

SALON C/D 8:45-10:15

Chair: Sumi Helal, Univ. of Florida, USA

Speaker: Andy Schwalb, Director New Technology, Walt Disney World, USA

SESSION P7 Web Caching

SALON C 10:45-12:15

Chair: Kanchana Kanchanasut, AIT, Thailand

- *A New Caching Architecture for Efficient Video-on-Demand Services on the Internet*: D. Tran, K. Hua, University of Central Florida, USA; S. Sheu, National Tsing Hua University, Taiwan
- *Optimization of Content Distribution Network Performance Gain with Server Replicas*: Y. Li, M. Liu, Ohio State University, USA
- *Adapted Content Delivery for Different Contexts*: T. Lemlouma, N. Layaïda, INRIA Rhone-Alpes, France

SESSION P8 Internet Security

SALON D 10:45-12:15

Chair: James Davis, Iowa State University, USA

- *Exploiting Both Pattern Relationships for Intrusion Detection*: N. Jiang, K. Hua, University of Central Florida, USA
- *Identifying Important Features for Intrusion Detection Using Support Vector Machines and Neural Networks*: A. Sung, S. Mukkamala, New Mexico Institute of Mining and Technology, USA

SESSION N2 - Panel "Comparing Web Services in the .NET Framework with Java's J2EE and Related Technologies"

OLEANDER 10:45-12:15

Chair: Tim Lindquist, Arizona State University East, USA

Panelists: Steve Jones and Steve Meyfroidt, Architecture & Development, Netdecisions, UK; Joseph William, Sun Microsystems, USA; Gerry Miller, Microsoft, USA

SESSION P9 Peer-to-Peer Models

SALON C 13:30-15:00

Chair: Naoki Wakamiya, Osaka Univ., Japan

- *Generic Peer-to-Peer Support for a Personal Service Platform*: F. Espinoza, L. Hinz, Swedish Institute of Computer Science, Sweden
- *An Efficient Peer-to-Peer File Sharing Exploring Hierarchy and Asymmetry*: G. Kwon, K. Ryu, Arizona State University, USA
- *A Proposal of the Person-centered Approach for Personal Task Management*: Ohmukai, Graduate University of Advanced Studies, Japan; H. Takeda, National Institute of Informatics, Japan; M. Miki, Doshisha University, Japan

SESSION P10 Network Measurements and Their Applications

SALON D 13:30-15:00

Chair: Katsuyuki Yamazaki, KDDI Lab., Japan

- *On the Self-similarity of Synthetic Traffic for the Evaluation of Intrusion Detection Systems*: W. Allen, G. Marin, University of Central Florida, USA
- *Certifying Performance of Cooperative Services in a Digital Government Framework*: F. Arcieri, University of Roma, Italy; F. Fioravanti, University of L'Aquila, Italy; R. Giaccio, University of Roma, Italy; E. Nardelli, University of L'Aquila, Italy; M. Talamo, University of Roma, Italy
- *Inferring Arrival Rate Statistics of Individual Flow from Aggregated-flow rate Measurements*: M. Tsuru, Kitakyushu Research Center, Japan; T. Takine, Kyoto University, Japan; Y. Oie, Kyushu Institute of Technology, Japan

SESSION W3 - E-Business

OLEANDER 13:30-17:30

Organizers: Hitoshi Okada, National Institute of Informatics, Japan; Jean-Michel Sahut, RESFIN Laboratory Institut National des Telecommunications, France; Nobuhiko Sugiura, Financial Services Agency of Japanese Government, Japan

SESSION P11 Network and Protocol Architecture

SALON C 15:30-17:00

Chair: Katsuyuki Yamazaki, KDDI Lab., Japan

- *Jini Meets UPnP: An Architecture for Jini/UPnP Interoperability*: J. Allard, V. Chinta, S. Gundala, G. Richard III, University of New Orleans, USA
- *BGP Integrity Check for the Conflict Origin AS Prefix in the Inter-domain Routing*: K. Nagahashi, H. Esaki, University of Tokyo, Japan; J. Murai, Keio University, Japan
- *Semantic Warnings and Feature Interactions in Call Processing Language on Internet Telephony*: M. Nakamura, Nara Institute of Science and Technology, Japan; P. Leelaprute,

Osaka University, Japan; K. Matsumoto, Nara Institute of Science and Technology, Japan; T. Kikuno, Osaka University, Japan

SESSION P12 Performance Evaluation

SALON D 15:30-17:00

Chair: Jingsha He, Fujitsu Lab. of America, USA

- *Delay and Jitter Minimization in Active Diffusion Computing*: S. Yang, J. Khan, Kent State University, USA
- *Enabling Compatibility between TCP Reno and TCP Vegas*: W. Feng, S. Vanichpun, Los Alamos National Laboratory, USA
- *Steady State and Transient Behavior Analyses of TCP Connections Considering Interactions between TCP Connections and Network*: H. Hisamatsu, H. Ohsaki, M. Murata, Osaka University, Japan

Friday, 31 January 2003

SESSION K3 Keynote: "Folding Space: Learning through Collaboration and Immersion"

SALON C/D 8:45-10:15

Chair: Yuji Oie, Kyushu Inst. of Tech., Japan

Speaker: James C. Oliverio, Professor and Director, Digital Worlds Institute, University of Florida, USA

SESSION P13 Information Retrieval and Fusion

SALON C 10:45-12:15

Chair: Kenichi Yoshida, Tsukuba Univ., Japan

- *Towards Semantics-Based Prefetching to Reduce Web Access Latency*: C. Xu, T. Ibrahim, Wayne State University, USA
- *Extracting Spatial Knowledge from the Web*: Y. Morimoto, M. Aono, M. Houle, IBM Tokyo Research Laboratory, Japan; K. McCurley, IBM Almaden Research Center, USA
- *ADoc oriented programming*: P. Nandi, S. Kumaran, T. Heath, IBM T.J. Watson Research Center, USA; K. Bhaskaran, R. Das, IBM Software Group, USA

SHORT PAPERS I E-services

SALON D 10:45-12:15

Chair: Yasuo Okabe, Kyoto Univ., Japan

- *Mediating Heterogeneous Web Services*: P. Pires, M. Mattoso, M. Benevides, Federal University of Rio de Janeiro, Brazil
- *Conversational Multi-modal Browser: An Integrated Multi-Modal Browser and Dialog Manager*: A. Tiwari, R. Hosn, S. Maes, IBM T.J. Watson Research Center, USA
- *Bilateral E-Services Negotiation Under Uncertainty*: G. Yee, L. Korba, National Research Council, Canada
- *NTM-Agent: Text Mining Agent for Net Auction*: Y. Kusumura, Y. Hijikata, S. Nishida, Osaka University, Japan

SESSION P14 Mobile and Internet Agents

SALON C 13:30-15:00

Chair: Giacomo Cabri, University of Modena, Italy

- *Mobile Agent Based Realization of a Distance Evaluation System*: V. Jamwal, S. Iyer, IIT Bombay, India
- *A Policy-based Mobile Agent Infrastructure*: R. Montanari, G. Tonti, Universita di Bologna; C. Stefanelli, University of Ferrara, Italy
- *Implementing Role-based Interactions for Internet Agents*: G. Cabri, L. Leonardi, F. Zambonelli, University of Modena, Italy

SHORT PAPERS II Issues in Emerging Networks

SALON D 13:30-15:15

Chair: Katsunori Yamaoka, Tokyo Institute of Technology, Japan

- *A Reliable Multicast Protocol for Unidirectional Satellite Link*: R. Basu, K. Kanchanasut, Asian Institute of Technology, Thailand

- *Pixel Navigator - A Simple Mobile Internet Paradigm*: P. Ong, A. Rana, F. Battaglia, Lucent Technologies, USA
- *Out-of-Sequence in Packet Arrivals due to Layer 2 ARQ and Its Impact on TCP Performance in W-CDMA Networks*: H. Koga, T. Ikenaga, Kyushu Institute of Technology, Japan; Y. Hori, Kyushu Institute of Design, Japan; Y. Oie, Kyushu Institute of Technology, Japan
- *Measurement and Analysis of Multimedia Application and IPv6 ADSL Internet Access Network*: S. Katsuno, Telecommunication Advancement Organization of Japan, Japan; T. Kubo, K. Yamazaki, KDDI R&D Laboratories, Japan; H. Esaki, University of Tokyo, Japan
- *Web-Based Feature Reduction System: A Case Study*: H. In, T. Foster, J. Surprise, S. Jung, D. Simmons, Texas A&M, USA; H. Fujihara, Hewlett Packard, USA

SHORT PAPERS III Web Related Technology

OLEANDER 13:30-15:15

Chair: Hiroshi Esaki, Tokyo Univ., Japan

- *Mockup-driven Fast-Prototyping Methodology for Web Application Development*: J. Zhang, infiNET Solutions, USA; J. Chung, IBM T.J. Watson Research Center, USA
- *Design Considerations for Hierarchical Web Proxy Server using iSCSI*: H. Lim, Dongseo University, Korea; D. Du, University of Minnesota, USA
- *WebDigest: Layout-preserving Visually Enhanced Web Pages*: J. Maeda, K. Fukuda, H. Takagi, C. Asakawa, IBM Tokyo Research Laboratory, Japan
- *An XML/Xpath Query Language and Xmark Performance Study*: K. Davis, Y. Zhan, University of Cincinnati, USA; R. Davis, Miami University, USA

CONCLUDING PANEL

SALON C 15:30-16:30

SAINT-2003 Workshops

Workshop 1: Satellite Internet: Technology, Application and Operation in Asia Pacific

Organizers: J. Murai, Keio University, Japan; S. Yamaguchi, Nara Advanced Institute of Science and Technology, Japan; S. Mikawa, Keio University, Japan; A. Thamrin, Keio University, Japan

Session 1: Satellite Internet activities in Asia Pacific

Chair: J. Murai

- *Satellite Communication in the Internet: It's history and the Technology*: J. Takei and J. Murai
- *Steps beyond Internet Collaboration: our challenges in Asian Internet Interconnection Initiatives*: S. Yamaguchi, T. Baba, and J. Murai
- *The deployment of UDL network on satellite circuit with training workshop*: Y. Tsuchimoto, S. Mikawa, and K. Okawa

Session 2: Satellite Internet technologies

Chair: K. Kanchanasut

- *Dynamic Bandwidth Configuration System for Satellite Internet*: H. Watanabe and A. Thamrin
- *An ATM Network Test bench over a C-Band Satellite System*: S. Lim, Y. Pang, H. Cheng, and Y. Loh
- *PIM-SM Configuration and Scalability on Satellite Unidirectional Links*: A. Thamrin, H. Izumiyama, and H. Kusumoto

Session 3: Operating Satellite Internet environments

Chair: S. Yamaguchi

- *Implementation and Operation of Satellite Based Broadcast IP Network*: H. Izumiyama and H. Kusumoto
- *Data Link Monitoring on the Satellite Based Network in the Internet*: K. Kataoka, H. Watanabe, and J. Murai
- *Characterization, Analysis, and Visualization of traffic in the Asian Internet Interconnection Initiatives (AI3)'s Satellite-based Research Network Test Bed*: E. Vinas and T. Baba

Session 4: Applications of Satellite Internet

Chair: T. Baba

- *A Multicast Push Caching System over a UDLR Satellite Link*: P. Basu
- *The Design and Implementation of Data Dissemination Application Using Multicast over Satellite Network*: M. Nishida, K. Okawa, and J. Murai
- *Satellite Bandwidth Requirements for an MCS Based Multimedia Conference*: R. Sureswaran, R. Budiarto, and V. Siva
- *Establishment of a lecture environment using Internet Technology over satellite communication in Asian Countries*: S. Mikawa, K. Okawa, and J. Murai

Workshop 2: Service Oriented Computing: Models, Architectures and Applications

Organizers : V. D'Andrea, University of Trento, Italy; M. Papazoglou, Tilburg University, Netherlands & University of Trento, Italy; P. Traverso, IRST, Italy; C. Bussler, Oracle Corporation, USA; B. Pernici, Politecnico di Milano, Italy; J. Yang, Tilburg University, Netherlands; M. Orłowska, Univ. of Queensland, ITEE, Australia

Session 1: Interaction and Collaboration of Services (I)

Chair: C. Bussler

- *Data Storage Requirements for the Service Oriented Computing*: T. Risse and P. Knežević
- *Planning for Web Services the Hard Way*: M. Carman and L. Serafini
- *Formalizing Governance in Virtual Districts*: E. Colombo and C. Francalanci

Session 2: Interaction and Collaboration of Services (II)

Chair: P. Traverso

- *UDDI: An Extended Registry for Web Services*: A. ShaikhAli, O.F. Rana, R. Al-Ali and D.W. Walker
- *When and Where is a Service? Investigating Temporal and Locative Service Properties*: J. O'Sullivan and D. Edmond
- *An Approach to Web Service Compatibility in Cooperative Processes*: V. De Antonellis, M. Melchiori and P. Plebani
- *Ad-Hoc Business Processes in Web Services*: A. Wombacher and B. Mahleko

Session 3: Service Oriented Architectures, Frameworks and Models

Chair: V. D'Andrea

- *Service Oriented Architectures for Supporting Environments in eGovernment Applications*: M. Marchese
- *Web-Services Modeling for E-Marketplace*: P. Tiako
- *Service Oriented Architecture*: R. Perrey and M. Lycett
- *The FRESCO Framework: An Overview*: G. Piccinelli, C. Zirpins and W. Lamersdor

Workshop 3: E-business

Organizers: H. Okada, National Institute of Informatics, Japan; J. Sahut, RESFIN Laboratory Institut National des Telecommunications, France; N. Sugiura, Financial Services Agency of Japanese Government, Japan

Session 1: New trends and Conditions of E-business

Chair: J. Sahut

- *E-Business Security*: U. Mattsson
- *The Survey of the Mobile Internet, Usage and Awareness, Study for M-Commerce*: K. Naruse
- *Pricing and Price Dispersion in e-commerce*: B. Leloup and R. Waldeck
- *Intelligent Agent Stakes for E-Commerce*: M. Galusweska and J. Sahut
- *Licenses: strategic tools for software publishers? An application to E-Business*: L. Muselli
- *Financing for dot.com*: J. Lantz
- *Virtual incubators*: J. Arlotto

Session 2: E-business Regulations/User Protection and Confidence

Chair: H. Okada

- *A Comparative Study of Personal Data Protection Bill in Japan with UK Data Protection Act 1998*: I. Takahashi
- *An Insight for Consequences of E-Business: Possible Case of Cross Border Trading without Using Hard Currency*: S. Uesugi

Session 3: Panel Discussion "E-business New Trends and Possibility of New Restrictions"

Chair: N. Sugiura

Panelist: H. Okada, J. Sahut

Workshop 4: IPv6 and Applications

Organizer: H. Esaki, the University of Tokyo, Japan

IPv6 testbed

- *Results and Plans of the IPv6 Testbed Initiatives within the European Commission IST Programme*: T. Chown and J. Palet
- *IPv6 initiatives within the European National Research and Education Networks (NRENs)*: T. Chown
- *IPv6 Deployment in China*: C. Li, J. Wu, Y. You and M. Chen
- *The IPv6 Testbed and Projects in Taiwan*: N.F. Huang, H.C. Chao, R.C. Wang and A. Chen
- *JGN IPv6 Network*: K. Kobayashi, S. Katsuno, K. Nakamura, Y. Mikama, H. Hayashi, A. Machizawa, Y. Kitatsuji, and H. Esaki
- *ShowNet on INTEROP Tokyo 2002 --- First Largest demonstration network of IPv4/IPv6 Dual Stack*: O. Nakamura, S. Yamaguchi, N. Shigechika, N. Morishima and Y. Sekiya
- *R&D Activities and Testbed Operation in WIDE Project*: H. Esaki, A. Kato and J. Murai

Infrastructure

- *The DNS and IPv6*: B. Manning

Applications

- *Problems and Tentative Solutions in InternetCAR Testing with IPv6*: K. Uehara, H. Sunahara, and J. Murai
- *Telecontrol of Ultra-High Voltage Electron Microscopy over Global IPv6 network*: T. Akiyama, S. Shimojo, S. Nishio, Y. Kitatsuji, S. Peltier, T. Hutton, F Lin
- *Software Compatibility and Human Interface for DV over IP*: T. Hisamatsu, A. Ogawa, K. Sugiura, O. Nakamura, and J. Murai
- *Resource Friendly Platform Requirements for Portable Computers Using Broadband Applications*: K. Sugiura, A. Ogawa, O. Nakamura, and J. Murai
- *From IPv4 to IPv6: The Case of OpenH323 Library*: C. Bouras, A. Gkamas, and K. Stamos
- *Isabel Distribution of the Madrid Global IPv6 Summit 2002 over an IPv6 Transition Network*: J. Quemada, T. de Miguel, E. Castro, S. Pavón, G. Huecas, T. Robles, J. Salvachua, E. Apolinario, J. Sedano, and M. Perea

IPv6 Technical Issues

- *Multihoming Support Based on Mobile Node Protocol LIn6*: A. Matsumoto, M. Ohta, F. Teraoka, and M. Ishiyama
- *A Mobility Protocol Framework to Support Multiple Namespaces*: M. Ishiyama, M. Kunishi, M. Kohno, and F. Teraoka
- *Applying Kerberos to the Communication Environment for Information Appliances*: S. Sakane, N. Okabe, K. Kamada, and H. Esaki
- *Implementing IPv6: Experiences at KAME Project*: J. Hagino
- *SIP and IPv6: Why and How?*: D. Sisalem, J. Fiedler, and R. Ruppelt
- *IPv6 Support on MPLS Networks: Experiences with 6PE Approach*: S. Uda, N. Ogashiwa, Y. Uo, and Y. Shinoda
- *Route Flapping Effects on OSPF*: Y. Ohara, M. Bhatia, N. Osamu, and J. Murai
- *XCAST6: eXplicit Multicast on IPv6*: Y. Imai, H. Kishimoto, M. Shin, and Y. Kim
- *MLDv2 Protocol Design, Implementation and Evaluation for Source-Specific Multicast over IPv6*: H. Asaeda and S. Suzuki
- *An Implementation of Hierarchical IP Traceback Architecture*: M. Oe, Y. Kadobayashi, and S. Yamaguchi
- *SNMP in the IPv6 Context*: G. Keeni, K. Koide, D. Chakraborty, and N. Shiratori
- *A WWW Server Benchmark System in IPv6 Environment*: T. Nakayama, Y. Nakamura, and H. Sunahara
- *KUPF: 2-Phase Selection Model of Classification Records*: M. Kakiuchi, N. Morishima, Y. Nakamura, K. Fujikawa, and H. Sunahara
- *Open 6to4 Relay Router Operation*: Y. Hei, A. Kubota, T. Hotta, and K.

Workshop 5: AI application of the Internet

- Organizers: Kenichi Yoshida, University of Tsukuba, Japan; Kazuo Hashimoto, KDDI LABS USA Inc., USA
- *AI application of the Internet - Backgrounds and Issues*: K. Yoshida and K. Hashimoto
 - *Information Extraction from HTML Pages and Its Integration*: K. Itai, A. Takasu, and J. Adachi
 - *Bayesian Analysis of Online Newspaper Log Data*: H. Wettig, J. Lahtinen, T. Leopola, P. Myllymäki, and H. Tirri
 - *Web Based Medical Decision Support System: Application of Internet to Telemedicine*: S. Tsumoto
 - *Agents Support for Flexible Inter-AS Policy Control*: O. Akashi, T. Hirotsu, K. Sato, K. Kourai, M. Maruyama, and T. Sugawara
 - *Degradation Detection of Wireless IP Links Based on Local Stationary Binomial Distribution Models*: K. Matsumoto, S. Muramatsu, N. Inoue, and H. Mori

Workshop 6: Emergency and Lifeline Support of the Internet

Organizers: H. Sunahara, Nara Institute of Science and Technology, Japan; K. Yamazaki, KDDI Labs, Japan

Session 1: Paper Presentations

Chair: K. Yamazaki

- *Internet Emergency Preparedness in the IETF*: K. King and S. Bradner
- *Current Status of IAA (I Am Alive) System and IAA Alliance*: M. Nakayama and H. Ohno
- *Residents Oriented Disaster Information Network*: Y. Shibata, D. Nakamura, N. Uchida, and K. Takahata
- *Lifeline Support of the Internet*: T. Kikuchi, M. Noro, H. Sunahara, and S. Shimojo

Session 2: Short Panel Discussion

Panelist: Paper Presenters of the Session 1

Workshop 7: Security and Assurance in Ad hoc Networks

Organizers: A. Yasinsac, Florida State University; M. Burmester, Florida State University

Session 1: Authentication and Applications I

Chair: D. Evans

- *Defining Authorization Domains using Virtual Devices*: S. Sovio, N. Asokan, and K. Nyberg
- *Certificate Management in Ad hoc Networks*: M. C. Morogan and S. Muftic

Session 2: Authentication and Applications II

Chair: P. Papadimitratos

- *Toward Secure Key Distribution in Truly Ad-Hoc Networks*: A. Khalili, J. Katz and W. Arbaugh
- *Distributed Authentication for Peer to Peer Networks*: P. Dasgupta and S. Gokhale
- *Securing Authentication and Privacy in Ad hoc Partitioned Networks*: S. Kaliaperumal

Session 3: Industry Panel. Solutions for Wireless Security

Chair: R. Henning

Panelists: U. Mattsson, C. Ko, G. Suarez, T. Bashara, R. Henning

- *Vulnerability Assessment in Wireless Networks*: R. Henning
- *Challenges Affecting a Defense-in-Depth Security Architected Network by Allowing Operations of Wireless Access Points (WAPs)*: G. Suarez

Session 4: Intrusion Protection and Applications

Chair: A. Khalili

- *Challenges in Intrusion Detection for Wireless Ad hoc Networks*: P. Brutch and C. Ko
- *On Ubiquitous Network Security and Anomaly Detection*: C. Van Dyke and Ç. Koç
- *Secure Link State Routing for Mobile Ad hoc Networks*: P. Papadimitratos and Z. J. Haas
- *Secure Aggregation for Wireless Networks*: L. Hu and D. Evans

Workshop 8: Workshop on Metadata Applications for the Next Generation Internet

Organizers: Hideki Sunahara, Nara Institute of Science and Technology, Japan; Shigeo Sugimoto, University of Tsukuba, Japan; Jay Kishigami, NTT Service Integration Laboratories, Japan

Session 1: Metadata and Related Technologies

Chair: R. Atarashi

- *Metadata and new challenge*: R. Atarashi, J. Kishigami and S. Sugimoto
- *Next Generation Internet Technology and requirements for application*: M. Wasserman
- *RDF deployment for Next Generation Internet*: G. Klyne

Session 2: Metadata Applications

Chair: K. Kandori

- *An Overview of Metadata for E-Learning, Focusing on the Gateway to Educational Materials and Activities of the Dublin Core Education Working Group*: N. Morgan
- *TV Anytime*: T. Kurioka
- *Metadata for Broadcasting*: F. Bien
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