

Program for 7th Asia-Pacific Symposium on Information and Telecommunication Technologies

Day	Time	Plenary
Tue		O-1: Opening Session
	01:30 PM-03:10 PM	A-1: Next Generation Network , B-1: Wireless 1
	03:30 PM-06:00 PM	A-2: Routing & Traffic Engineering , B-2: Ubiquitous 1
Wed	09:30 AM-12:00 PM	A-3: Traffic & QoS , B-3: Wireless 2
	01:20 PM-03:00 PM	A-4: Optical Networking , B-4: Network Architecture
	03:20 PM-05:00 PM	A-5: Ubiquitous 2 , B-5: TCP & Flow control
Thu		C-1: Closing Session

Tuesday, April 22

O-1: Opening Session

1:30 PM - 3:10 PM

A-1: Next Generation Network

- A-1-1: SIP Servlet Dialogue Handling for NGN Service Capability Interaction Manager
Motomu Nakajima (NTT, Japan); Masashi Kaneko (NTT, Japan); Miki Hirano (NTT, Japan); Hiroshi Sunaga (NTT, Japan)
- A-1-2: Verification of path computational performance in functionally distributed transport networking on next-generation network
Kentaro Ogawa (NTT, Japan); Michihiro Aoki (NTT, Japan); Shinichiro Chaki (NTT, Japan)
- A-1-3: Novel SIP Session Handling in a Service Delivery Platform for Telecom-Web Integration
Masashi Kaneko (NTT, Japan); Motomu Nakajima (NTT, Japan); Miki Hirano (NTT, Japan); Hiroshi Sunaga (NTT, Japan)
- A-1-4: Highly Flexible Media Handling Enabler for the NGN Service Delivery Platform
Michio Irie (NTT, Japan); Masashi Kaneko (NTT, Japan); Miki Hirano (NTT, Japan); Hiroshi Sunaga (NTT, Japan)

B-1: Wireless 1

- B-1-2: Hop Count Aware Broadcast Algorithm with Random Assessment Delay Extension for Wireless Sensor Networks
Shintaro Izumi (Kobe University, Japan); Takashi Matsuda (Kobe University, Japan); Hiroshi Kawaguchi (Kobe University, Japan); Chikara Ohta (Kobe University, Japan); Masahiko Yoshimoto (Kobe University, Japan)
- B-1-3: Location Based Query Routing for Distributed Spatial Data in Mobile Ad Hoc Network
Tadanobu Tsunoda (University of Tokyo, Japan); Kaoru Sezaki (University of Tokyo,

Japan)

B-1-4: Design and Experiments of Wide Area Wireless Network for Sensors and Actuators
Masahiro Umehira (Ibaraki University, Japan); Hiroshi Saito (NTT, Japan); Osamu Kagami (NTT, Japan); Takafumi Fujita (NTT, Japan); Yosuke Fujino (NTT, Japan)

3:30 PM - 6:00 PM

A-2: Routing & Traffic Engineering

- A-2-1: Partial Traffic Engineering for Guaranteeing Network Quality
Masashi Hashimoto (Akita University, Japan); Yukimatu Ken-ichi (Akita University, Japan); Takashi Miyamura (NTT, Japan); Kohei Shiimoto (NTT, Japan)
- A-2-2: Novel Traffic Engineering for Reservation Services Network
Rie Hayashi (NTT, Japan); Ichiro Inoue (NTT, Japan); Kaori Shimizu (NTT, Japan); Kohei Shiimoto (NTT, Japan)
- A-2-3: RENC: Recursive Estimation of Node Characteristics using Topological Structure of Complex Networks
Kouhei Sugiyama (Osaka University, Japan); Hiroyuki Ohsaki (Osaka Univ., Japan); Makoto Imase (Osaka Univ., Japan)
- A-2-4: Peer-to-Peer Streaming Performance of BitTorrent based Progressive Download in Broadband Access Networks
Megumi Shibuya (KDDI R&D Laboratories Inc., JP); Noriyuki Miyazaki (KDDI R&D Laboratories Inc., JP); Shu Yamamoto (National Institute of Information and Communication Technology, JP); Michimasa Suzawa (Grid Solutions Inc., JP)
- A-2-5: Performance Evaluation of Traffic Reduction by Source Port Specific Multicast Router
Yuki Imanishi (Kansai University, Japan); Kenya Mori (Kansai University, Japan); Miki Yamamoto (Kansai University, Japan); Sachiko Taniguchi (Mitsubishi Electric corporation, Japan); Koji Sato (Mitsubishi Electric Corporation, Japan); Tetsuya Yokotani (Mitsubishi Electric Corporation, Japan)
- A-2-6: InfoShare : Information Sharing System with a Mechanism of Selectively Cooperative Retrieval on Hybrid P2P Networks
Michihiro Ishizaka (Kanagawa Institute of Technology, Japan); Atsushi Inoie (Kanagawa Institute of Technology, Japan); Xiaoping Ling (kanagawa Institute of Technology, Japan); Shigeto Ahiko (Hitachi Informatin Systems, Japan)

B-2: Ubiquitous 1

- B-2-1: Network Software Architecture for a symbiotic Human Life with Robots
Tadashi Ohta (SOKA University, Japan)
- B-2-2: Image-to-Image Retrieval Reflecting Human Sensibility and Association
Yasuo Matsuyama (Waseda University, Japan); Yuuki Hoshino (University of Waseda, Japan)
- B-2-3: Web-Service-Based Avatar Service Modelling in the Next Generation Network
Yuusuke Nakano (NTT, Japan); Yoji Yamato (NTT, Japan); Hiroshi Sunaga (NTT, Japan)
- B-2-4: Coordinating Context-aware Service Resources Using Internet Indirection Infrastructure
Kei Wada (The University of Tokyo, Japan); Yoshihiro Kawahara (The University of Tokyo, Japan); Tohru Asami (The University of Tokyo, Japan)
- B-2-5: Development of a Web Browser Based Interface to Assist Numerical Calculations
Nobuhide Yokota (Kochi National College of Technology, Japan); Haruya Shiba (Kochi National College of Technology, Japan); Takumi Yamaguchi (Kochi National College of Technology, Japan); Kazunori Shimamura (Kochi University of Technology, Japan)
- B-2-6: Reconfigurable object based multimedia display communication system for Smartphones
Bernd Steinke (Nokia, Germany)

Wednesday, April 23

9:30 AM - 12:00 PM

A-3: Traffic & QoS

A-3-1: Performance Evaluation of a Multi-stage Network Event Detection Scheme against DDoS Attacks

Tutomu Murase (NEC Corp., Japan); Yukinobu Fukushima (Okayama University, Japan); Masayoshi Kobayashi (NEC Corp., Japan); Hiroki Fujiwara (Okayama University, Japan); Ryohei Fujimaki (NEC Corporation, Japan); Tokumi Yokohira (Department of Communication Network Engineering, Okayama University, Japan)

A-3-2: A Study of Adaptive Aggregation on IPFIX

Hitoshi Irino (NTT, Japan); Masaru Katayama (NTT, Japan); Shinichiro Chaki (NTT, Japan)

A-3-3: Impact of Divided Static Random Access Memory Considering Data Aggregation for Wireless Sensor Networks

Takashi Matsuda (Kobe University, Japan); Shintaro Izumi (Kobe University, Japan); Takashi Takeuchi (Kobe University, Japan); Hiroshi Kawaguchi (Kobe University, Japan); Chikara Ohta (Kobe University, Japan); Masahiko Yoshimoto (Kobe University, Japan)

A-3-4: A Web Access Shaping Method to Improve the Performance of Congested Servers

Ryousuke Kurebayashi (NTT, Japan); Kazuaki Obana (NTT, Japan); Hitoshi Uematsu (NTT, Japan); Osamu Ishida (NTT, Japan)

A-3-5: Modelling and Analysis of End-to-End Network Performance

Marat Zhanikeev (Waseda University, Japan); Yoshiaki Tanaka (Waseda University, Japan)

B-3: Wireless 2

B-3-1: RSOCKS: A method to traverse NAT for mobile applications

Hiroaki Hata (NTTPC Communications, Inc., Japan); Ribou Ohono (NTTPC Communications, Inc., Japan); Masayoshi Hosokawa (NTTPC Communications, Inc., Japan)

B-3-2: Empirical Study on a Session Layer Resource Control over 802.11 DCF Wireless LAN

Emi Arai (Ochanomizu University, Japan); Yumi Hirano (NEC, Japan); Tutomu Murase (NEC Corp., Japan); Masato Oguchi (Ochanomizu University, Japan)

B-3-3: Enabling Fast OFDM-based Wireless Networks with combined Transmit Diversity and Multi-Level Modulation

Mikael Gidlund (Nera Networks, Norway)

B-3-4: Advanced Contrast between GPRS and CDMA One Packet Data

Puneet Kumar (S.R.M university, chennai, India); Arvind Subramanian (SRM University, India)

B-3-5: Implementation of Publish/Subscribe System on Wireless Mesh Networks- Word-mouth Information Distribution Service -

Ken'ichiro Yagura (Kobe University, Japan); Chikara Ohta (Kobe University, Japan); Yumi Takaki (Kobe university, Japan)

B-3-6: Multi-Path QoS Routing with estimating the interference between the communication paths in the TDMA-based wireless mesh networks

Kentaro Saito (The University of Tokyo, Japan); Masaya Nakayama (The University of Tokyo, Japan)

1:20 PM - 3:00 PM

A-4: Optical Networking

A-4-1: Improvement of Burst Transmission Delay Using Offset Time for Burst Assembly in

Optical Burst Switching

Taiju Mikoshi (Graduate School of Engineering, Nihon University, Japan); Toyofumi Takenaka (College of Engineering, Nihon University, Japan)

A-4-2: A control channel management method for creating a reliable and stable control plane for GMPLS-based optical transport networks

Kaori Shimizu (NTT, Japan); Rie Hayashi (NTT, Japan); Ichiro Inoue (NTT, Japan); Kohei Shiimoto (NTT, Japan)

A-4-3: Selection of FDL Slot Length in Optical Packet Switching Networks with Fibre Delay Lines

Eiji Ishikawa (Waseda University, Japan); Sugang Xu (National Institute of Information and Communications Technology, Japan); Marat Zhanikeev (Waseda University, Japan); Yoshiaki Tanaka (Waseda University, Japan)

B-4: Network Architecture

B-4-1: User Authentication by Secured Graphical Password Implementation

Samir Bandyopadhyay (University of Calcutta, India); Debnath Bhattacharyya (Heritage Institute of Technology, India); Poulami Das (Heritage Institute of Technology, India)

B-4-2: Architecture Design for SPX: Secure networking Platform for group-oriented eXchange

Takeshi Yagi (NTT, Japan); Tsutomu Kondoh (NTT, Japan); Takeshi Kuwahara (NTT, Japan); Junichi Murayama (NTT, Japan); Hiroyuki Ohsaki (Osaka Univ., Japan); Makoto Imase (Osaka Univ., Japan)

B-4-3: Pricing for IP Broadcast Service based on Price Elasticity

Kyoko Yamori (Asahi University, Japan); Hiroshi Bessho (Waseda University, Japan); Yoshiaki Tanaka (Waseda University, Japan)

B-4-4: On Network Architecture for Realizing Group-Oriented Communication

Yousuke Takahashi (Osaka University, Japan); Kouhei Sugiyama (Osaka University, Japan); Hiroyuki Ohsaki (Osaka Univ., Japan); Makoto Imase (Osaka Univ., Japan); Takeshi Yagi (NTT, Japan); Junichi Murayama (NTT, Japan)

3:20 PM - 5:00 PM

A-5: Ubuiquitos 2

A-5-2: Collaborative Learning System providing Interactive Lesson through Tablet PCs on WLAN

Takumi Yamaguchi (Kochi National College of Technology, Japan); Haruya Shiba (Kochi National College of Technology, Japan); Kazunori Shimamura (Kochi University of Technology, Japan); Naohisa Matsuuchi (Kochi National College of Technology, Japan); Kenichiro Fujiwara (Kochi National College of Technology, Japan)

A-5-3: Development of Management System for Electrical Referral Documents and Healthcare Information Exchanging Based on Standardization Protocols

Ayuko Shigeta (University of Tokai, Japan); Kiyoshi Nosu (Tokai University, Japan); Yasuzo SUTO (University of Tokai, Japan)

A-5-4: Fault Tolerant Spanners for Adhoc Sensor Networks

Satyanarayana D (Indian Institute of Technology, India)

B-5: TCP & Flow control

B-5-1: A TCP Congestion Control Method for Securing Stable Throughput

Hiroyasu Obata (Hiroshima City University, Japan); Kentaro Akase (Hiroshima City University, Japan); Kenji Ishida (Hiroshima City University, Japan)

B-5-2: MPEG-4 Optimal Transmission over SCTP Multi-streaming in 802.11 Wireless Access

Media

Li Wang (Gunma University, Japan)

B-5-3: Implementation and Evaluation of GridFTP Automatic Parallelism Tuning Mechanism for Long-Fat Networks

Fumito Inoue (Osaka University, Japan); Takeshi Ito (Osaka University, Japan); Hiroyuki Ohsaki (Osaka Univ., Japan); Makoto Imase (Osaka Univ., Japan)

B-5-4: Evaluation of Packet Loss Effect on Throughput Unfairness between TCP Upflows over IEEE 802.11 Wireless LAN

Yumi Hirano (NEC, Japan); Tutomu Murase (NEC Corp., Japan)

Thursday, April 24

C-1: Closing Session
