The International Conference on Information Networking 2010 (ICOIN 2010)

Conference Program

January 27 (Wed) - 29 (Fri), 2010
Paradise Hotel, Busan, Korea

Sponsored by KIISE Information Network Society

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Conference Committee Members

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  Jongwon Choe  Sookmyung Women’s University  Korea

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  Teresa Vazao  INESC ID/IS  Portugal
  Yoshiaki Hori  Kyushu University  Japan

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  Yoshiaki Hori  Kyushu University  Japan

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  Keecheon Kim  Konkuk University  Korea
  Seong Ho Jeong  Hankuk University of FS  Korea

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  Agoulmine Nazim  University of Evry  France
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  Changhee Joo  Ohio State University  USA
  Chang-jin Suh  Soongsil University  Korea
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  Dongman Lee  KAIST  Korea
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  Hanan Lutfiyya  University of Western Ontario  Canada
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  Jeonghoon Mo  Yonsei University  Korea
  Jongwon Kim  GIST  Korea
  Jun Kyun Choi  KAIST  Korea
  Jussi Kangasharju  University of Helsinki  Finland
  Laurent Toutain  ENST Bretagne  France
  Marcus Brunner  NEC Europe Ltd.  Germany
  Min Chen  University of British Colombia  Canada
  Parbu Dorairaj  Wipro Technologies  USA
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  Qin Xin  Simula Research Lab.  Norway
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  Shingo Ata  Osaka City University  Japan
  Taekyoung Kwon  Seoul National University  Korea
  T. Nagabhushan  Sri Jayachamarajendra College of Engineering  India
  Vasilis Friderikos  King’s College London  UK
  Ved Kaffe  NICT  Japan
  Yann-Hang Lee  Arizona State University  USA
  Young-June Choi  NEC Labs  USA
  Young Yong Kim  Yonsei University  Korea
  Yun-Won Chung  Soongsil University  Korea
Greetings

Message from the General Chairs

It is our great pleasure to welcome you to Busan, Korea for ICOIN 2010, the 24th International Conference on Information Networking 2010, sponsored by KIISE, Korean Institute of Information Scientists and Engineers and we hope you enjoy the world premier networking conference in our profession. We hope this conference will be an opportunity to share the current hot research trends among the high value researchers from around the world.

The three days of ICOIN 2010 in Busan, Korea feature outstanding program and beautiful venue. We invited distinguished keynote speakers from Korea and Japan and also 3 valuable tutorial speakers will give us lectures about Vehicular Communication Network, Modern Content Distribution Networks: Theory and Practice, and An introduction to network coding. ICOIN 2010 provides 14 technical sessions about cognitive network, network security, network management, network switching/routing, sensor networks, quality of service, and so on.

Busan, the second largest city of Korea, is located on the southeastern tip of the Korean peninsula. The natural environment of Busan is a perfect example of harmony between mountains, rivers and sea. Its geography includes a coastline with superb beaches and scenic cliffs, mountains which provide excellent hiking and extraordinary views, and hot springs scattered throughout the city. Especially, The APEC Summit was taken place at the Haeundae beach where the venue is in Nov. 2006. Busan enjoys four distinct seasons and a temperate climate that never gets too hot or too cold.

The city’s natural endowments and rich history have resulted in Busan’s increasing reputation as a world class city of tourism and culture, and it is also becoming renowned as an international convention destination.

Welcome again and thank you for joining us at ICOIN 2010 for your value-added experience.

General Co-Chair, Cheeha Kim

General Co-Chair, Jongwon Choe
Greetings

Message from the Technical Program Committee Chair

On behalf of the Technical Program Committee of the International Conference on Information Networking (ICOIN 2010), it is our great pleasure to welcome all the participants of this event in Busan, Korea, January 27-29, 2010.

The technical program of ICOIN 2010 covers topics of all areas of interest in computer communications, wired and wireless networks and other communication and networking related issues, in the theoretical and practical aspects. We received 126 papers from 13 countries, and the technical program committee selected 60 papers (from 11 countries) which shows the acceptance rate of 48%. Presentations for accepted papers are organized into 7 double-track technical sessions.

The technical program committee consists of 38 members from 12 countries and all submitted papers were reviewed by three reviewers. Based on the scores of the review reports, acceptance and rejection of the submitted papers were made.

We would like to use this opportunity to bring together researchers, engineers, students and others to present and discuss their works on communications and networking technologies and to learn about the latest research results on communications and networking technologies.

We are grateful to all of the authors, reviewers and members of the technical program committee for their enthusiastic efforts and contributions. Handling of submission and review of papers could not have been completed along a tight schedule without their helps and cooperation. We also appreciate the great effort by session chairs who accept our request to manage sessions of the conference.

Finally, we would like to express our sincere gratitude to all participants of ICOIN 2010. Their contributions are indispensable for the success of the conference.

We hope that all of you find ICOIN 2010 technically rewarding and have opportunities for research exchanges with colleagues from all over the world. Welcome again!

Technical Program Committee Chair, Young Han Kim
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<td>Cognitive Radio</td>
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<td>09:00-10:30</td>
<td>Switching/Routing</td>
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<td>Break</td>
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<td>10:40-12:10</td>
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<td>Peer-to-Peer</td>
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Keynotes

27 January 2010 (Wednesday)

13:40 – 14:10  Sicily Room(1F)

Keynote Speech 1: Redesigning Layered Network Architecture for New Generation Networks
Keynote Speaker: Dr. Fumio Teraoka, Keio University, Japan

Redesigning the Internet in “Clean slate approach” has attracted considerable attention. In clean slate approach, several network architectures are proposed, which are not based on the layered model. This talk discusses what model is appropriate to the network architecture for the New Generation Network from the viewpoint of ease of understanding, ease of management, and ease of implementation.

As a result, this talk reaches a conclusion that the layered model with cross-layer collaboration and split of the data plane and the control plane is most appropriate. The major features of the proposed network architecture are as follows: (1) introducing the layer-5 to provide the applications with more abstract communication paths, (2) introducing cross-layer collaboration for efficient processing in each layer, (3) splitting the node identifier and the node locator for mobility, multi-homing, and security, (4) splitting the data plane and the control plane for manageability, and (5) introducing a recursive layered model to support network virtualization.

Short Biography

He received a master degree in electrical engineering and a Ph.D. in computer science from Keio University in 1984 and 1993, respectively.

He joined Canon Inc. in 1984 and then moved to Sony Computer Science Labs., Inc. (Sony CSL) in 1988. Since April 2001, he is a professor of Faculty of Science and Technology, Keio University. He received the Takahashi Award of JSSST (Japan Society for Software Science and Technology) and the Motooka Award in 1991 and 1993, respectively.

He also received the Best Paper Award in 2000 from IPSJ (Information Processing Society Japan). His research interest covers computer network, operating system, and distributed system. He contributed to the activity of the Mobile working group of IETF by developing Virtual IP (VIP).

He was a board member of IPSJ from 2000 to 2002. He was a board member of JSSST from 2005 to 2009. He is a member of ACM, IEEE, JSSST, IPSJ, and IEICE.

27 January 2010 (Wednesday)

14:10 – 14:40  Sicily Room(1F)

Keynote Speech 2: Future Internet in the Convergence Era
Keynote Speaker: Dr. Yanghee Choi, Seoul National University, Korea

In the science and technology world, a race for inventing new technology convergences has begun. This is particularly important since the technology convergence will be the primary tool to develop new products and solutions that will solve the grand challenges that the world and the earth are facing. If we do not continue innovations in climate control, agriculture, aging, energy and pollution problems, etc, the world will become a very inconvenient place to live.

The Internet will play an essential role in the era of convergence, since the component technologies will be combined and interconnected through the Internet. Collective intelligence, social computing, massive distributed computation, web search, and mobile computing are core technologies in the Future Internet, and the technology convergence will be accelerated by them. In this talk, the role of the Future Internet in the convergence era will be highlighted.

Short Biography

Professor Yanghee Choi received B.S. in electronics engineering at Seoul National University, M.S. in electrical engineering at Korea Advanced Institute of Science, and Doctor of Engineering in computer science at Ecole Nationale Superieure des Telecommunications Paris, in 1975, 1977, and 1984 respectively. He has worked at Electronics and Telecommunications Research Institute (Korea), Centre National D’Etude des Telecommunications (France), and at IBM Thomas J. Watson Research Center (USA), before joining Seoul National University in 1991. He was president of Korea Institute of Information Scientists and Engineers. He is dean of Graduate School of Convergence Science and Technology, president of Advanced Institutes of Convergence Technologies, and chair of the Future Internet Forum of Korea. He has published over 600 papers in network protocols and architectures.
Tutorials

January 27, 2010 (Wednesday)

09:30 – 11:00  (Miami Room)

Tutorial 1:
Vehicular Communication Network
Prof. Keecheon Kim, Konkuk University, Korea

Abstract:
A Vehicular Ad-hoc Network, or VANET, is a form of Mobile Ad-hoc Network, to provide communications among nearby vehicles and between vehicles and nearby fixed equipment, usually described as a roadside equipment. Vehicular Ad-hoc Networks are expected to implement variety of wireless technologies such as Dedicated Short Range Communications(DSRC) which is a type of WiFi. Other candidate wireless technologies are Cellular, Satellite, and WiMAX. Vehicular Ad-hoc Networks can be viewed as component of the Intelligent Traffic Systems (ITS). In this tutorial, I will introduce the concept of ITS and will go over some of the ad-hoc protocols for VANET. I will try to look for the proper Ad-hoc protocols for V2V environment.

Short Biography
Dr. Keecheon Kim is currently working as a professor in Computer Science and Engineering Department of Konkuk University, Seoul, Korea. He received his bachelor degree from Seoul National University in Computer Science in 1988, and Ph.D in EECS in 1992 from Northwestern University in Illinois, USA. He joined Korea Telecom International Inc, as a senior researcher until 1994 and he joined Shinsegi Telecom which was a digital mobile telecommunication carrier of Korea as a chief research engineer. Shinsegi Telecom was merged with SK Telecom and he was able to start researching on wireless data communication area until he joined Konkuk University in 1988. In 2004, he joined Nextel Communications Inc. in Virginia , USA, as a Director of the Core Network Division. In Nextel, he was elected as a representative of Sprint (Nextel got merged with Sprint) to NSTAC(National Security Counsel for Telecommunication and Communication), which is an US presidential advisory committee. In 2006, he came back to Konkuk university and he still works for Konkuk University.His main research areas are mostly about Mobile Computing and Wireless Applications. He is also a member of ITS Korea for the ITS research related with communication technology. He has written many research papers and books regarding mobile communication. He is also a leading member of ACM Sig mobile Korea chapter and other organization of Korea.

11:00 – 12:30  (Miami Room)

Tutorial 2:
Modern Content Distribution Networks: Theory and Practice
Prof. KyoungSoo Park, University of Pittsburgh, USA

Abstract:
Content distribution networks (CDNs) scalably deliver popular content to millions of people around the globe. Its fast and easy access enables transparent content downloading regardless of where or when the actual request are made and provides ubiquitous distribution of the most wanted content almost in real time. Modern CDN service has truly become an essential part of our daily Internet activity, and its demand is ever increasing as media-rich content becomes more commonplace.

In this tutorial, I will describe the basic concepts of CDNs and popular algorithms and techniques that most production systems employ in practice. Consistent hashing and advanced server load balancing mechanisms will be presented from a perspective of operating a large CDN. Also, we will review the content access interfaces, inter-CDN request routing algorithms, and popular encoding schemes, and discuss their practical trade-offs. Finally, we will identify secret sauces in commercial deployments that are missing in academic research and think about future challenges in the CDN systems.

Short Biography
KyoungSoo Park is an assistant professor in the department of Computer Science at University of Pittsburgh. He received his M.A. and Ph.D. degrees in computer science from Princeton University in 2004 and in 2007, and his B.S. degree from Seoul National University in 1997. His research interests focus on the reliability, security, and performance issues with large-scale distributed and networked systems including content distribution networks(CDNs), Domain Name System(DNS), and distributed testbeds such as PlanetLab. He has lead a number of Co* projects on PlanetLab including CoBlitz - a scalable large-file CDN, CoDNS - a fast and robust DNS lookup service, and CoMon, a distributed system monitoring service. Based on his research CDN system, he co-founded CoBlitz, Inc which provides customized CDN services for ISPs and Telcos, and currently serves as chief architect of the company.
Tutorial 3: An introduction to network coding
Professor Sidharth Jaggi, The Chinese University of Hong Kong

Abstract:
Network coding, i.e., the information flow paradigm wherein each node in a network is encouraged to mix information rather than passively forwarding it, has attracted significant attention in the information theory community over the past decade. Improvements in system performance have been shown in various manners, such as increased throughput, greater system stability and reliability, increased tolerance to errors/system failures, in-built security, and inherently distributed design and implementation. Perhaps more importantly, as a communication paradigm it has demonstrated the significant impact that delegating even a little bit of computation to internal nodes can have.

In this tutorial, we’ll first do a quick survey (one hour) of the basic mathematical tools and results in the field. We’ll then spend time on looking at several “real-world” communication systems where network coding has the potential to do significant good (depending on time, we’ll consider some subset of the following topics -- wireless communications, distributed data storage, cryptography, and network tomography).

Short Biography
Professor Sidharth Jaggi received his Bachelor of Technology degree from the Indian Institute of Technology in 2000, and his Master of Science and Ph.D. degrees from the California institute of Technology in 2001 and 2006 respectively, all in electrical engineering. He was awarded the Caltech Division of Engineering Fellowship 2001-'02, and the Microsoft Research Fellowship for the years 2002-'04. He interned at Microsoft Research, (Redmond, WA, USA) in the summers of 2002-'03 and engaged in research on network coding. He spent 2006 as a Postdoctoral Associate at the Laboratory of Information and Decision Systems at the Massachusetts Institute of Technology. He joined the Department of Information Engineering, the Chinese University of Hong Kong in 2007.

Sidharth’s research interests lie at the intersection of information theory, algorithms, and networking. He is currently particularly interested in the field of network coding http://www.ifp.uiuc.edu/~koetter/NWC/index.html which neatly merges practice and theory in all three of these fields. However, his interests are eclectic (above all, he likes a good challenge) and he has dabbled in communication complexity, quantum computation, coding theory, random matrix theory, and signal processing for vision. His name (liberally) translated from Sanskrit means “one who proves theorems”, and he intends to keep trying to live up to it.
January 27, 2010 (Wednesday)

15:00-17:00

Session 1A (Miami Room)
3G Networks
Chair: Du Ping (NiCT, JP)

Measurement-Based Low-Level Performance Analysis of IEEE 802.16e/WiBro Networks
Hua Cai (Samsung SDS, CN), Dongmyoung Kim, Seunghyun Choi, Dongwook Kim, Seongwoo Kang, Kyung-ryeol Lee, Sanghyun Choi (Seoul National University, KR), Hanyong Jang (XRONet Corporation, KR)

Temporal Spectrum Access Scheduling for Heterogeneous Wireless Systems Coexistence
Lichun Bao, Shenghui Liao (University of California, Irvine, US)

NX3G: Aggregating Multiple 3G Connections of a Group of Mobiles in Vehicular Environments
Chung-Ming Huang (National Cheng Kung University, TW), Lai Tu (Huazhong Univ. of Sci. and Tech., CN)

New Framework of Coordinated Multipoint Transmission and Reception in IMT-Advanced Systems
Young-June Choi (Ajou University, KR)

Session 1B (Venice Room)
Ad-Hoc Networks I
Chair: Hyukjoon Lee, (Kwangwoon University, KR)

A Fast Handover Control Scheme Using the Extended Beacon (FH-EB) Approach
Chung-Ming Huang (National Cheng Kung University, TW), Meng-Shu Chiang (Far East University, TW), Tz-Heng Hsu (Southern Taiwan University, TW)

Reliable and Energy Efficient Backup Clustering Scheme for Wireless Sensor Networks
Anwar Sadat, Gaur Karmakar (Monash University, AU), Arkady Zaslavsky, Mohamed Medhat Gaber (Monash University, AU)

A Distributed Transmission-slot Assignment Protocol
Wei Feng, Shigetomo Kimura, Yoshihiko Ebihara (University of Tsukuba, JP)

Load Balancing and Mobility Management in Multi-homed Wireless Mesh Networks
Minh Tri Tran, Young Han Kim (Soongsil University, KR)

Network Coding-enabled Cooperative MAC Protocol at Ad Hoc Networks
Jaeshin Jang (Inje University, KR), Sang Wu Kim (Iowa State University, US)

January 28, 2010 (Thursday)

09:00-10:30

Session 2A (Miami Room)
Cognitive Radio
Chair: Wen-Lin Yang (National University of Tainan, TW)

A Communication Cost-Centric Spectrum Decision Scheme for Cognitive Radio Networks
Changwoo Lee, Wonjun Lee, Sanghoon Park (Korea University, KR)

Spatial Spectrum Reuse for Heterogeneous Wireless Systems Coexistence
Shenghao Liao, Lichun Bao (University of California, Irvine, US)

Outage Reduction through Efficient Frequency Reuse Scheme for OFDMA Based Multihop Cellular Networks
Sungkyun Lee, Sanggook Lim, Hyunchang Kim, Jaiyong Lee (Yonsei University, KR)

Resource-Aware Dynamic Spectrum Pricing for Cognitive Radio Networks
Suchul Lee, Hwanseok Choi, Chong-Kwon Kim (Seoul National University, KR)

Session 2B (Venice Room)
Network Security
Chair: Keecheon Kim (Konkuk University, KR)

Design and Implementation of SIP-based VoIP Surveillance System
Ching-Lung Chang (National Yunlin University of Science & Technology, TW), Yue-Shan Chang (National Taipei University, TW), Yi-Ji Cheng (National Yunlin University of Science & Technology, TW)

On Classifying and Evaluating the Effect of Jamming Attacks
Yu-seung Kim, Heejo Lee (Korea University, KR)

DRM-Enhanced UPnP AV System Design to Protect Multimedia Contents in Home Network Environment
Sang-Jin Park, Bo-Seung Kim (Soongsil University, KR), Suk-Hyung Hong (Thin Multimedia No.2 Research Institute, KR), Min-Su Park, Yong-Tae Shin (Soongsil University, KR)

Ping Du, Maoke Chen (NiCT, JP), Akihiro Nakao (The University of Tokyo, JP)
### Technical Sessions

#### 11:00-12:00

**Session 3A** *(Miami Room)*  
**Ad-Hoc Networks II**  
Chair: Jae Hwoon Lee (Dongguk University, KR)  
A Maximum-Revenue Multicast Routing Problem on Wireless Mesh Networks  
Wen-Lin Yang (National University of Tainan, TW)  
A Multi-channel MAC Protocol for Hostile Environment  
Zaw Htike, Choong Seon Hong (Kyung Hee University, KR)  
The IEEE 802.11-Integrated Multi-hop MAC Broadcast Protocols for VANETs  
Younghyun Han, Hynukjoon Lee (Kwangwoon University, KR)

#### 13:00-15:00

**Session 4A** *(Miami Room)*  
**Mobility Management**  
Chair: Gour C. KARMAKAR (Monash University, AU)  
Design and Implementation of NEMO-based Path Aggregation using Mobile Routers on Multiple Vehicles  
Kei Tanimoto, Susumu Ishihara (Shizuoka University, JP)  
Improvement of Link Detection for the Power Conservative Multi-radio Terminal  
Hyonho Park, Junghoon Lee, Changmin Park (ETRI, KR)  
Localized Management for Proxy Mobile IPv6  
Seok Hyun Hwang, Jin Ho Kim, Choong Seon Hong (Kyung Hee University, KR), Jung-Sik Sung (ETRI, KR)  
GLSS: Grid-based Location Service Spot Scheme for Optimized Routing Path on VANET  
Jonghyun Kim, MiYoung Jo, Yunho Jung, Keecheon Kim (Konkuk University, KR)  
Context Profile Handling Mechanism for Source Specific Multicast in Proxy Mobile IP  

#### 15:30-17:30

**Session 5A** *(Miami Room)*  
**Sensor Networks**  
Chair: Seong-Ho Jeong (Hankuk University of FS, KR)  
A Grid-based Rerouting Method for Mobile Sinks in WSNs  
Jieun Cho, Jongwon Choe (Sookmyung Women’s University, KR)  
Area Coverage Patterns for Node Scheduling Problem to Extend the Network Lifetime  
Ngoc Duy Nguyen, Vyacheslav Zalyubovskiy, Minh Thiep Ha, Hyunseung Choo (Sungkyunkwan University, KR)  
On Interactions between Routing and Service Discovery in Wireless Sensor Networks  
Ari Karjalainen (University of Helsinki, FI), Jussi Kangasharju (Helsinki Institute for Information Technology, FI)  
Data Correlation Aware Cooperative MISO Technique in Wireless Sensor Network  
Mohammad Rakihul Islam, Jinsang Kim (Kyung Hee University, KR)  
Impact of Duty Cycle Energy Efficiency and Performance in Wireless Sensor Networks  
Bipula Khatiwada, Sangman Moh, Ilyong Chung (Chosun University, KR)

**Session 5B** *(Venice Room)*  
**Wide Area Networks**  
Chair: Yunju Baek (Pusan University, KR)  
A Routing Scheme and a New Addressing Scheme for Future Network
Technical Sessions

Sa-Jin Lee, Hyun-Kook Kahng (Korea University, KR)
Classic Forecasting Models Applied to WAN Traffic Prediction: A Case Study
Rivalino Matias Jr. (Federal University of Uberlandia, BR), Fernando Schutz (CELES/DT-E-DPTA-DVAS, BR)

Simple Method to Passively Estimate the Throughput of a TCP Flow in IP Networks
Shan Zhu, Satoru Ohta (Toyama Prefectural University, JP)

A QoS Model for Business Layers
Fernando Matos, Alexandre Matos, Paulo Simões, Edmundo Monteiro (University of Coimbra, PT)

Decreasing ISP Transit Cost in Overlay Routing Based on Multiple Regression Analysis
Kazuhiro Matsuda, Go Hasegawa, Masayuki Murata (Osaka University, JP)

January 29, 2010 (Friday)

09:00-10:30
Session 6A (Miami Room)
Switching/Routing
Chair: Adriano Fiorese (University of the State of Santa Catarina-UDESC, BR)

An Efficient CICQ Switch Architecture for Mixed Unicast & Multicast Traffic
Chisung In, Kyungmin Kim, Jaiyong Lee (Yonsei University, KR)

Hidden Potentials of the Distance Vector Approach
Frank Bohdanowicz, Harald Dickel, Christoph Steigner (University of Koblenz, DE)

Allocation of Wavelength Converters in All-Optical WDM Networks with Alternate Routing
Sheng-Wei Wang (Fo Guang University, TW)

A Dynamic Route Selection Mechanism Using Multiple DNS Responses for Inbound E-mail Delivery on Multihomed Networks
Yong Jin, Nariyoshi Yamai, Kyohiko Okayama (Okayama University, JP), Motomori Nakamura (National Institute of Informatics, JP)

Session 6B (Venice Room)
Network Service
Chair: Ari Kajalainen (University of Helsinki, FI)

Proposed TV Advertising Model Allowing Users To Select Their Favorite Commercial
Ken Suzuki, Yasunori Osana, Shin-ichi Kuribayashi (Seikei University, JP)

IGMP Report Suppression for Receiver-driven Layered Multicasting
S.H. Shah Newaz, Youngin Bae, JooHyung Lee, Jongmin Lee, and Jun Kyun Choi (KAIST, KR)

Utilizing Personalized Tag Recommendation Model in Web Page Search
Tao Zhang, Byangjeong Lee, Hanjoon Kim (The University of Seoul, KR), Sooyong Kang (Hanyang University, KR), Kyoonyun Kim (Seoul National University, KR)

Home Network Service Control System based on Non-periodic Data Collection on User Behavior
Hyunje Woo, Meejeong Lee (Ewha Womans University, KR)

10:40-12:10
Session 7A (Miami Room)
LAN/PAN/BAN
Chair: Younghwan Yoo (Pusan Nat’l University, KR)

On Measurement Campaign with IEEE 802.11n Devices
Lochan Verma, Daeyong Sim, Chil-Youl Hacky Yang, Kyungik Cho, Scott Seongwook Lee (Samsung Electronics, KR)

A Polling List Management Method Using Orthogonal Signalling in Clusters of Heterogeneous Networks
Jae Hoon Ko, Seommok Kwon, Cheeja Kim (Pohang University of Science and Technology (POSTECH), KR)

Beacon-based MAC Protocol for Wireless Body Area Networks
Wangjiong Lee, Taikyeong Ted. Jeong (Myongji University, KR), Seung Hyon Rhee (Kwangwoon University, KR)

Dynamic Contention Window Control of Uplink and Downlink Flows in Multi-Rate IEEE 802.11 Wireless LANs
B. A. Hirantha Sithira Abeysekera, Takahiro Matsuda, Tetsuya Takine (Osaka University, JP)

Session 7B (Venice Room)
Peer-to-Peer
Chair: Yonghoon Choi (Kwangwoon University, KR)

Experimental Study for Validating Effectiveness of Incentive Mechanism for P2P Content Sharing
Kenichiro Sato, Ryo Hashimoto, Ryoichi Shinkuma, Tatsuro Takahashi (Kyoto University, JP)

Exploring a Large-Scale P2P-VoD Overlay Network
Haitao Li, Ke Xu (Tsinghua University, CN), James Seng (Shanghai Synacast Media Tech, CN), Po Hu (CATR of MII, CN)

BTSS: Design and Implementation of a P2P-Assisted Multimedia Streaming System based on BitTorrent Framework
Chun-Chao Yeh, Jhe-Sian Lin, Yi-Ming Shen (National Taiwan Ocean University, TW)

Service Searching based on P2P Aggregation
Adriano Fiorese (University of the State of Santa Catarina-UDESC, BR), Paulo Simões, Fernando Boavida (University of Coimbra, PT)
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- Tutorial 1,2: Miami Room
- Tutorial 3: Venice Room
- Track 1: Miami Room
- Track 2: Venice Room
- Opening session & Keynotes: Sicily Room (1F)