

***IEICE Communications Society* GLOBAL NEWSLETTER Vol. 30**

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Report on Communication Society Annual Assembly at 2009 IEICE Society Conference

Shinichiro Chaki

Director of General Affairs, IEICE Communication Society



1. Introduction

This article reports an overview of the 2009 Communications Society Annual Assembly held at the 2009 IEICE Society Conference at Niigata University. In the Annual Assembly, a special lecture was planned and several awards were presented by Professor Kunio Sawaya, President of the Communications Society. A special lecture titled “Japanese SAKE – Why sake from Niigata Prefecture is delicious” was presented by Mr. Hideo Shiokawa from the Shiokawa Brewery. Afterwards, awards were presented by President Kunio Sawaya; Outstanding Contributions Award, Distinguished Contributions Award, Communications Society Excellent Paper Award, and Fellowships.



Fig. 1 Participants in Annual Assembly

2. Special lecture

At the Annual Assembly, a special lecture was planned. This year’s theme for the special lecture was on the host prefecture of Niigata. Niigata prefecture is famous for delicious rice and Japanese rice-wine, or sake. Delicious drinks, such as sake, are good communication tools. “Sake”, therefore, was selected as a key word of the special lecture at the 2009 Annual Assembly. Mr. Hideo Shiokawa, executive managing director of Shiokawa Brewery kindly accepted the role as special lecturer on “sake”.

The Annual Assembly started with opening remarks by Prof. Sawaya. Mr. Shiokawa, then talked about how sake is produced and compared breweries in Niigata Prefecture with those in Hyogo and Kyoto Prefectures, which are first or second in production.



Fig. 3 Special lecture by Mr. Hideo Shiokawa



Fig. 2 Opening remarks by President Kunio Sawaya

3. Award

The Outstanding Contributions Award is presented by the technical committee and chief editor services on the Editorial Board of Transactions on Communications and Communications Society Magazine. 15 members were awarded for their services prior to 2008. The Distinguished Contribution Award is presented for extraordinary planning activities and voluntary paper reviewing in the Communications Society. Eighty-seven members were awarded for their contributions prior to 2008. The Communications Society Excellent Paper Award is presented for best technical papers and letters and best tutorial papers in the Japanese and English editions of Transactions on

Communications, and for best articles in Communications Society Magazine. Afterwards, Prof. Nobuyoshi Kikuma, Vice Chair of the Editorial Board, commented on the selection results. The awards for the best 2 papers and best 2 tutorial papers in Transactions on Communications Japanese edition, the best 4 papers and best 2 letters in Transactions on Communications English edition, and the best 2 papers in Communications Society Magazine were presented. Fellowships for outstanding work in the IEICE are also awarded. Sixty-five members were awarded fellowships in 2009. Twenty-nine of the 65 members whose work was in the Communications Society were awarded fellowships at this meeting. The Annual Assembly was adjourned with closing remarks by Prof. Junji Namiki, President-Elect of the Communications Society.



Fig. 4 Fellowship awards

4. Conclusion

This article reported an overview of the 2009 Communications Society Annual Assembly. As described in this article, the Communications Society supports member's activities in the field of communications by giving such awards.

Report on the Second IEICE Communications Society (CS) Welcome Party

Hideki Ochiai, Yukihiro Okumura, Koji Wakayama, and Takeshi Yasuie
IEICE-CS Directors, Membership Services

The second welcome party was held on the first day of the 2009 Fall IEICE Society Conference at Niigata University, Niigata, Japan. This event has now become one of the major activities of IEICE Communications Society (IEICE-CS). More than two hundred people, including students and researchers from universities, institutes, and industries had gathered and enjoyed conversation and exhibition with complimentary drinks and food.

The party began with a welcome message and a toast from CS President Prof. Kunio Sawaya. Then it was followed by a main attraction: the six active communications engineering researchers from industry and national institute gave a brief speech with a piece of advice to the students. Finally, CS President-Elect Prof. Junji Namiki concluded our party.

Around 30 posters of our Technical Committees and related companies were exhibited.

As one of the organizers of this event, we would like to note that this event is open not only to the new members of IEICE-CS but also to *all* the students and researchers interested in the activities of IEICE-CS. We would like to thank all of attendees for dropping by. If you had missed this time, please join us next time!



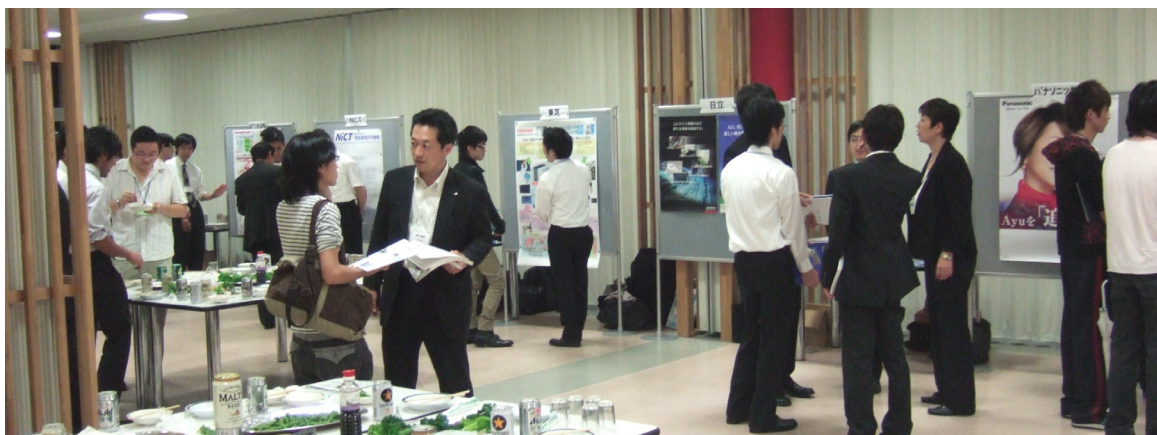
A speech by active researchers.



“Cheers!” from CS President.



Enjoying drinks and food.



Lots of posters!

International Activity of Technical Committee on Antennas and Propagation

Qiang Chen (Tohoku University)
Secretary of Technical Committee on Antennas and Propagation



1. Introduction

The Technical Committee on Antenna and Propagation (AP committee) is very active in the international cooperation and academic exchange. This letter continuously reports some international activities on the field of antennas and propagation, following the report published in the last issue of this newsletter.

2. Academic exchange in 2009 Autumn Microwave & Radio Wave Conference in Korea

Delegates of the AP committee were invited to attend the 2009 Autumn Microwave & Radio Wave Conference in Korea on September 24-25. This conference is an annual domestic conference of Korea in the field of microwave technology, electromagnetic theory, antennas and propagation, photoelectronics, and so on. From several years ago, a Korea-Japan Joint Session has been organized in the conference which provides an opportunity to enhance the academic exchange and friendship between Korean and Japanese colleagues in the field of antennas and propagation.

Prof. Ito of Chiba Univ., Chair of the AP committee had an invited talk at the beginning of the conference (Photo 1). Prof. Ito briefly introduced the organization of the IEICE Communications Society, as well as some activities of AP committee, and then presented his technical talk titled “Microwave Antennas for Medical Applications”. Three other professors from Japan, *i.e.* Prof. Uno of Tokyo University of Agriculture and Technology, Prof. Hirokawa of Tokyo Institute of Technology, and Prof. Chen of Tohoku University, presented their papers at the Korea-Japan Joint Session, together with 6 Korean professors. A gathering photo after the session is shown in Photo 2.



Photo 1: Invited talk by Prof. Ito, at 2009 Autumn Microwave & Radio Wave Conference in Korea.



Photo 2: Some Japanese and Korean attendants of the conference.

The delegates of the AP committee and some Korean colleagues had a meeting during the conference where the future plan on the Japan-Korea academic exchange was discussed with each other.

3. Overseas AP Technical Meeting in Nanjing

The AP committee is planning to organize an AP technical meeting in Southeast University, Nanjing, China, on May 13-14, 2010. The overseas AP technical meeting has ever been held in Bangkok (1997), Xi'an (2000), Taipei (2007), and Macao (2009). The entry for submission will be possible on the website of the AP committee, the same as the entry for the domestic technical meeting. The deadline for entry is March 10, and the deadline for manuscript submission is around the middle of April, 2010.

4. ISAP 2012 in Nagoya

It has been formally decided recently that the 2012 International Symposium on Antennas and Propagation (ISAP 2012) will be held in Nagoya from October 29 to November 2, 2012. The symposium is sponsored and organized by the IEICE Communications Society. Prof. Koichi Ito (Chiba University) will be General Chair of the symposium.

For further information, please contact
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Report on the Fifth International Symposium on Ubiquitous Computing Systems (UCS 2009)

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*Finance Co-Chair of the symposium, Toshiba

**Program Co-Chair of the symposium, ATR

1. Introduction

The Fifth International Symposium on Ubiquitous Computing Systems (UCS 2009) was held at Tsinghua University, Beijing, China during August 24 to 26, 2009. UCS was established by IEICE Technical Committee on Ubiquitous and Real-World Oriented Networking (URON) and IPSJ Special Interest Group on Ubiquitous Computing Systems (SIG-UBI) to stimulate the research activities on ubiquitous computing in Asia. Originally started in Kyoto in 2003, the symposium has also been held in Tokyo, Seoul, and Beijing.

UCS 2009 was co-located with the 15th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA 2009). The symposium is sponsored by Tsinghua University, National Taiwan University, IGRS, Institute of Information & Computing Machinery (IICM), and IPSJ SIG-UBI and is in cooperation with IEICE Technical Committee on Ubiquitous and Sensor Networks (USN). USN was made up of a majority of URON members.

2. UCS 2009 Program

UCS 2009 accepted 17 high quality papers. The 17 papers were grouped into 5 sessions: In-Door Localization Technology, Sensor Technology for Ubiquitous Computing, Ubiquitous applications, RFID Technology, and Network for Ubiquitous Computing. The UCS 2009 program also included 2 keynotes and poster session with 8 poster presentations. The first keynote speaker was Prof. Zhaofui Wu, Zhejiang University, China, and the title was “Pervasive Computing: State-of-the-art and Perspectives.” The second keynote speaker was Prof. Lothar Thiele, Swiss Federal Institute of Technology, Zurich, Switzerland, and the title was “Distributed Embedded Systems – Reconciling Computation, Communication and Resource Interaction.”

The Reception was held on the first day and the Sight Seeing Tour to Summer Palace and the Banquet including the Best Paper Award Ceremony were held on the second day.

3. UCS 2009 Best Papers

UCS 2009 Best Paper Awards were presented to the following two papers.

- Pedestrian Dead Reckoning Method Suitable for Built-in Motion Sensors on Mobile Phones
Daisuke Kamisaka, et al., KDDI R&D Laboratories Inc., Japan

This paper proposed a new pedestrian dead reckoning method for mobile phones. The proposed method enables users to remove the restriction related to body-mounted attachment of sensors and to provide free style of holding a mobile phone while using a navigation system.

- Ad-hoc Grouping of Multiple Sensor Nodes based on Similar Movements

Kaori Fujinami, Tokyo University of Agriculture and Technology, Japan

Fujinami presented a novel method to identify multiple sensor nodes that have similar movement patterns in an ad-hoc manner. The proposed grouping method allows a system to monitor a situation such as who is/are utilizing which object(s) and which objects are carried together.

Both papers were highly regarded as practical contributions to ubiquitous computing systems.

4. Summary

The total sum of the participants for both UCS 2009 and RTCSA 2009 were more than 150. Various topics on ubiquitous computing were vigorously discussed at each session. Thanks to organizers, speakers, participants and student volunteers.

5. Reference

- [1] Proceedings of the Fifth International Symposium on Ubiquitous Computing Systems (UCS 2009), ISBN 978-4-915256-77-6C3040, August 2009.



Fig. 1 Keynote 1

Report on 12th Asia-Pacific Network Operations and Management Symposium (APNOMS2009)

Akihiro Tsutsui*, Hiroshi Uno**

*Secretary of the conference, NTT

**Vice Co-Chair of the conference, NTT

1. Overview of APNOMS 2009

The 12th Asia-Pacific Network Operations and Management Symposium was held from September 23rd to 25th, 2009 in Jeju, Korea. APNOMS 2009 was organized by the IEICE ICM Committee and The Korean Institute of Communication Science, Korea Network Operations and Management Committee (KICS KNOM). Supporting organizations were IEEE CNOM, IEEE APB, TMF, IFIP WG6.6, BUPT, CIC and CCSA TC7. The past activities of APNOMS can be found on-line [1]. APNOMS 2009 entitled "Managements Enabling the Future Internet for Changing Business and New Computing Services" consisted of four keynote speeches, one DEP session, two special sessions, four tutorial sessions, ten technical sessions, two short paper/poster sessions and two innovation sessions. The exhibition program was held from the afternoon of the first day to the end of the third day. 218 people from 14 countries participated.

2. Sessions and Activities

Four executives delivered keynote speeches. Photo 1 is a snapshot of one of the keynote speeches. Dr. Gweon from KT, Korea gave a speech on "The Evolution of Management Platforms for New Computing Services". In the DEP session, five panelists discussed various topics with the audience in relation to the theme of APNOMS 2009, for example, advanced management issues for future internet infrastructure and services.

A total of 176 papers were submitted to APNOMS 2009 and of these 41 were presented in ten technical sessions. In the short paper/poster session, 32 papers were delivered as poster-style presentations, see photo 2. There were two innovation sessions that covered nine topics. In the exhibition program, 12 companies and research bodies demonstrated prototypes of their products. As a social event, a banquet was held, see photo 3, that included a "Traditional Music and Dance in Jeju Island" as an example of Korean culture.

Lastly, the APNOMS 2009 organizing committee selected the top three papers with the highest overall (paper + presentation) score from the technical session for "Best Paper Awards".

3. Conclusion

APNOMS 2009 was a very successful symposium. In 2010, NOMS 2010 will be held in Japan. Therefore the next APNOMS will be held in Taipei, Taiwan, in 2011.

4. References

[1] <http://www.apnoms.org/>, Home page of APNOMS.



Photo 1 Keynote Speech



Photo 2 short paper/poster session



Photo 3 Banquet

Report on 15th Asia-Pacific Conference on Communications (APCC2009)

Takashi SHIMIZU*, Yikai SU**, Yukihiro OKUMURA***

*Secretary of APCC Steering Committee, NTT

** Technical Program Co-Chair of APCC2009, Shanghai Jiaotong University

***Member of APCC Steering Committee, NTT DOCOMO

1. Introduction

The 15th Asia-Pacific Conference on Communications (APCC2009) was held from October 8th to 10th, 2009 in Shanghai, China. APCC2009 was hosted by China Institute of Communications (CIC) and Shanghai Jiao Tong University, and was technically co-sponsored by Korea Information and Communications Society (KICS), IEICE Communications Society (IEICE-CS), IEEE Communications Society, IEEE Communications Society Asia/Pacific Region, and IEEE Communications Society Shanghai Chapter, and IEEE Photonics Society (LEOS) Shanghai Chapter.

The conference consists of four keynote addresses, 34 technical sessions and one special session. It was attended by 225 researchers and engineers from 20 countries.

2. Keynote Address

Four keynote speakers were invited from China, Korea, Japan and USA. Those leading speakers addressed the topics such as TDD mobile communication system from TD-SCDMA to TD-LTE, relationship between communication and internet,



Fig. 2 Keynote address

next generation mobile access network - LTE and Beyond -, and universal signaling framework for integrated switching in a future optical internet.

3. Technical Program

The Technical program includes 215 papers covering the advanced information and communication technologies and services.



Fig. 1 Opening address by general co-chair Prof. Zhen Yang

Those papers consist of 12 invited papers and 203 full papers accepted from 421 submissions. For each paper, including invited ones, TPC have provided at least three independent reviews, mostly by the TPC members. Sessions were organized in four parallel tracks: track on wireless communication systems, track on signal processing for communications, track on optical communications, and track on network communications. Each session was well-attended and active discussions were facilitated.



Fig. 3 Discussion in a technical session

4. Best Paper Award

Each year, Best Paper Awards were selected by the Award Committee in APCC Steering Committee. In APCC 2009, the following three papers were selected.

- 1) “Interference-Aware Relay Selection for Multiple Source-Destination Cooperative Networks,”

Jie Xu, Sheng Zhou, Zhisheng Niu (Tsinghua University, China)

- 2) “Revenue Management for Cognitive Spectrum Underlay Networks: An Interference Elasticity Perspective,”

Jianwei Huang (The Chinese University of Hong Kong, Hongkong), Xiwei Huang (Liangchuang, China)

- 3) “Programmable FBG-based variable optical correlator for optical code division multiplexing,”

Kenta Hosoya, Masanori Hanawa, Kazuhiko Nakamura (University of Yamanashi, Japan)

The certificate of the award, and gift from the co-sponsors was given to the authors in the banquet on

October 9. Plaques and supplementary prize will be given to the authors afterwards. This award was sponsored by CIC, KICS, IEICE-CS and IEEE Comsoc Asia-Pacific Board.

5. Conclusion

Since 1993, APCC has been the forum for researchers and engineers in the Asia-Pacific region to present and discuss topics related to advanced information and communication technologies and services, while at the same time, opening the door to the world. APCC2009 successfully provided an excellent venue and facilitated the research collaboration in Asia-Pacific regions.

Next year, APCC2010 will be held in Auckland, New Zealand.



Fig. 4 Best paper award winner with general chair



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B (Communications)	EB (English) B (Japanese)	Fundamental Theories for Communications, Devices/Circuits for Communications, Transmission Systems and Transmission Equipment for Communications, Optical Fiber for Communications, Fiber-Optic Transmission for Communications, Switching for Communications, Switching for Mobile Communications, Network, Network Management/Operation, Internet, Wireless Communication Technologies, Terrestrial Radio Communications, Satellite Communications, Optical Wireless Communications, Antennas and Propagation, Electromagnetic Compatibility (EMC), Sensing, Navigation, Guidance and Control Systems, Energy in Electronics Communications, Terminals for Communications, Multimedia Systems for Communications, Broadcast Systems, Integrated Systems for Communications, Space Utilization Systems for Communications
C (Electronics)	EC (English) C (Japanese)	Electromagnetic Theory, Lasers, Quantum Electronics, Optoelectronics, Microwaves, Millimeter-Waves, Ultrasonic Electronics, Electronic Circuits, Electronic Materials, Organic Molecular Electronics, Electronic Components, Electromechanical Devices and Components, Semiconductor Materials and Devices, Integrated Electronics, Electron Tubes, Vacuum and Beam Technology, Electronic Displays, Superconducting Electronics, Storage Technology, Electronic Instrumentation and Control
D (Information and Systems)	ED (English) D (Japanese)	Computation and Computational Models, Automata and Formal Language Theory, Algorithm Theory, Complexity Theory, Computer Components, VLSI Systems, Computer Systems, Fundamentals of Software and Theory of Programs, System Programs, Software Engineering, Database, Contents Technology and Web Information Systems, Data Mining, Networks, Dependable Computing, Application Information Security, Distributed Cooperation and Agents, Artificial Intelligence and Cognitive Science, Human-computer Interaction, Office Information Systems, e-Business Modeling, Educational Technology, Rehabilitation Engineering and Assistive Technology, Pattern Recognition, Speech and Hearing, Image Processing and Video Processing, Image Recognition, Computer Vision, Computer Graphics, Multimedia Pattern Processing, Natural Language Processing, Biocybernetics, Neurocomputing, Biological Engineering, Music Information Processing, Kansei Information Processing, Affective Information Processing
Journal of IEICE (written in Japanese only)		

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One title	Two titles					
Member (overseas)	1,400	7,000	3,500 / 1society	6,000	4,000	10,000
Member (overseas) with OMDP*	1,000	5,000	3,000 / 1society	5,000		
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IEICE Overseas Membership Application Form

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Please type or print in English. The deadline for submitting application form is the 1st day of every month.

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Male Female

Full name: First name Middle name Last name Nationality :

Prof. Dr. Mr. Ms. Place of birth: Date of birth: Day Month Year

Mailing Address Home Office

Name of Company/School/College Department/Section
Street City State/Province
Postal code Country
TEL FAX E-mail

Academic Background The highest academic degree: Ph.D. Masters Bachelors Others:

University/college/school of the highest academic degree Month & year of graduation

(For Student Member) Academic degree which will be conferred on you Month & year when the degree will be conferred on you

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I recommend this applicant for IEICE membership.

Endorser's name Membership number Endorser's signature Date

From Editor's Desk

● Season's Greeting

Many towns in Europe open their own "Christmas Villages" on December. Each of them has many stalls and recreational facilities. Myself, I enjoyed eating roasted chestnuts and drinking hot wine when I visited one of them. I also took some photos of beautiful illuminations to print on season's greeting cards.

A Christmas illuminations event is now being held at Tokyo Tower, which is in front of Kikai-Shinko-Kaikan Building where IEICE office is located. Global News Letter editorial staffs may also enjoy the event after staff meeting at Kikai-Shinko-Kaikan Building.

Best Wishes for the Holiday Season!

IEICE Global News Letter Editorial Staff

Editorial Staffs of this issue

No special order is observed



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