

IEICE Global Plaza

—Monthly community plaza in English for students, faculties and engineers—

Hot Topics

APSITT2015 Successfully Held at Colombo, Democratic Socialist Republic of Sri Lanka



Hidetsugu Kobayashi,
General Manager, R&D Planning Dept., NTT,
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IEICE Communications Society

The 10th Asia-Pacific Symposium on Information and Telecommunication Technologies (APSITT2015) was successfully held with the sponsorship of IEICE and technical sponsorship of IEEE Communications Society at Colombo, the largest exotic port city of Democratic Socialist Republic of Sri Lanka on August 4-7, 2015. The total number of participants counted 90. Technical papers were categorized into 25 selected papers and 28 regular papers, and presented as scheduled.

The conference venue, Cinnamon Lakeside Colombo hotel, is located in the center of Colombo city and facing to Beira Lake. In spite of sudden heavy rain showers on the first day, the participants mainly enjoyed the tropical dry weather during the conference days; meanwhile, Japan was hit by the scorching heat with its temperature higher than in Sri Lanka.

This conference was originally drawn up by Dr. Yuji Inoue (Toyota Info Technology Center, Japan), the former IEICE President. It was kicked off in 1993 and has been held every few years. The 10th conference was cooperatively organized by the Local Organizing Committee (LOC) consisting of Sri Lankan members and the Organizing Committee at the initiatives of IEICE Technical Committees of Communication Systems (CS), Network Systems (NS) and Information Networks (IN).

In the opening session on the first day, opening remarks were given by Prof. Ajith Pasqual (University of Moratuwa, Sri Lanka, General Co-Chair / APSITT2015) and Prof. Tohru Asami (University of Tokyo, Japan, General Co-Chair / APSITT2015). In the session, Prof. Pasqual introduced Sri Lanka as a beautiful and mysterious island country with its long history. He also mentioned about rapidly developing mobile communication and engineering education environment in Sri Lanka. Prof. Asami provided a talk on the future perspective of resilient and green network technologies by referring to the progress of telecommunication technologies in the past.



Fig. 1 Opening Session of APSITT 2015 in Sri Lanka

The invited sessions were successively held in the same venue. The first guest speaker, Dr. Udana Bandara (Rakuten Inc., Japan) gave a speech of the perspectives on the key technologies and business model rapidly reshaping the current online and offline shopping. The second guest speaker, Dr. Danushka Bollegala (University of Liverpool, UK) told an interesting history of Artificial Intelligence (AI) and provided his profound insight of current AI bubble. After that, the third guest speaker, Prof. Fumiyouki Adachi (Tohoku University,

Japan) had a talk on the 5th generation mobile communications technology. As the fourth guest speaker, Dr. Manodha Gamage (Intelligent Solutions and Consultancy Ltd., Sri Lanka) proposed self-organizing mobile networks underpinned by his advanced experience in telecommunication area. Of the last two guest speakers from Japan, the first Dr. Tetsuya Yokotani (Mitsubishi Electric Corporation, Japan, Technical Program Committee Co-Chair / APSITT2015) talked about the importance of international standardization activity for the open innovation in ICT area showing specific examples in his activities. The last guest speaker, Mr. Kenichiro Matsumoto (NTT, Japan) introduced a new network architecture concept called NetroSphere enhancing the flexibility and elasticity while it also would drastically reduce the costs for NTT's service. The opening day was wrapped up with the beautiful Sri Lankan ethnic dance in the banquet dinner.

Lastly, this conference could not be successfully ended, not least without the dedicated support by Sri Lanka's primal state universities - University of Moratuwa and University of Peradeniya. Prof. Pasqual and their students from University of Moratuwa gave us a lot of help to organize and operate this conference. The students set up a demonstration of their research outputs on site and had lively discussions with our participants. We also visited University of Peradeniya, located near the old Kingdom capital, Kandy, for our technical visit. Thanks to Prof. Janaka Ekanayake and all members of the university, we had great and heartwarming experiences. We all participators cordially wish this conference would contribute to closer relationship and further prosperities of Sri Lanka and Japan.



Fig. 2 Technical Visit to University of Peradeniya, Sri Lanka

Introduction of New Representatives of IEICE International Sections for the 2015/2016 IEICE Fiscal Year no. 3

IEICE International Affairs Committee

The former issues of IEICE Global Plaza have introduced the new Representatives of IEICE International Sections who were approved by the first 2015/2016 Fiscal Year Meeting of IEICE International Affairs Committee on June 17, 2015, in alphabetical order. The number of available IEICE International Sections has been increased since the set up in 2003, and reached to the current twelve Sections covering Asia and Europe. This article will continuously introduce the Representatives from the viewpoint of general readers of IEICE Global Plaza, especially the younger generation who have tried to contact their relevant International Sections for the regional academic activities promotion, but could not find them covering the region of interest. The article of each Representative will cover the current status and future perspectives with the introduction of their personality.

IEICE Malaysia Section



**Swee-Huay Heng, Prof., Dr.,
Vice President (Research & Development),
Multimedia University, Malaysia,
Representative of IEICE Malaysia Section,
Member, IEICE**

<Vision>

We wish to record our deepest appreciation to the International Affairs Committee of IEICE for approving the establishment of IEICE Malaysia Section. As a newly established IEICE International Section, we will learn from the other more established International Sections and seek for their best level of support. Some of our immediate key milestones include new membership recruitment drive, launching of Malaysia IEICE Section and networking session within IEICE members, conducting the first General Meeting to discuss the detailed bi-annually plan and way forward. We also plan to organize IEICE Workshop by inviting distinguished Professors for knowledge sharing in the selected areas. We look forward to strengthen our regional and global linkages through research and academic collaborations with IEICE Societies and IEICE Local and International Sections.

<Profile>

Prof. Dr. Swee-Huay Heng is currently the Vice President responsible for Research & Development and International Affairs of Multimedia University (MMU). She was the Dean of Faculty of Information Science and Technology of MMU from 2011 to 2013. She has more than 15 years of research experience in the areas of Cryptography and Information Security. She received her PhD degree in the area of Cryptography and Information Security from Tokyo Institute of Technology, Japan; and she also received both her B.Sc. (Hons) and M.Sc. degrees from Universiti Putra Malaysia.

She was the Program Chair of the 4th International Conference on Provable Security (ProvSec 2010) and the 9th International Conference on Cryptology And Network Security (CANS 2010). Some of her important professional involvements are such as Committee Member of the Working Group for Standardization on Cryptography and Security Mechanisms, under the Standards and Industrial Research Institute of Malaysia; Selection Committee of the Malaysian National Academic Awards under the Ministry of Higher Education, Malaysia.

She has published over 100 refereed journal and conference papers to date. In view of her expertise, she has been invited to serve as one of Technical Program Committee members in more than 50 International Security Conferences and as a Reviewer for various journals.

See the detailed background and activities of IEICE Malaysia Section just founded in the beginning of this year, on page 335-336 of IEICE Journal vol. 98, no. 4, 2015.

IEICE Shanghai Section



**Jie Zhu, Prof., Dr.,
Shanghai Jiao Tong University, China,
Representative of IEICE Shanghai Section**

<Vision>

The officers of IEICE Shanghai Section are Professors of Shanghai Jiao Tong University (SJTU) at the moment, who are serving as part-time duties. Regarding the role assignment of our Section, the officers in IEICE Shanghai Section are classified into organization officers who manage the organization and arrangement of academic activities and publicity officers who develop members of IEICE Shanghai Section, especially focusing on the IEICE membership development of students participating in the academic activities. The Section has promoted several academic activities and organized a seminar on wireless communications. Furthermore, three Professors of SJTU attended the International Workshop on Machine Vision and Intelligence to boost academic exchange in Kitakyushu on October 21-24, 2014. Professor Zhu

presented a speech on the topic of "Intrusion Source Location and SVM-based Recognition Method Used in Interferometric Fiber Sensor System" there. In China, Prof. Wen Chen, the former Representative of IEICE Shanghai Section organized the National Basic Research Program of China (973 Program) project group seminar on wireless communications in 2014 where more than 100 relevant researchers joined from many universities including Tsinghua-U, Zhejiang-U, Xidian-U, Beijing-U of Posts and Telecommunications and ICT companies including China Telecom and HUAWEI.

IEICE Shanghai Section is planning to hold several international conferences on information and communication technologies, such as a conference on the high speed mobile communication and conference on Sparse Code Multiple Access and other key technologies of 5G communication, to organize a China-Germany Workshop on Speech Signal Processing in collaboration with our Section and to invite IEICE officers to IEICE Shanghai Section to disseminate available academic capabilities and functions of IEICE for the purpose of encouraging more papers from graduate students and soliciting more general participants to join IEICE's academic activities

<Profile>

He received his BS degree and MS degree in 1995 and 1988, respectively, from Tong Ji University, Shanghai, China, all in electronic engineering. He joined Shanghai Jiao Tong University as one of faculty in 1988, and served as full Professor at the Dept. of EE at Shanghai Jiao Tong University since 1999. He was a guest research staff in Bell Labs, New Jersey, US, from 1997 to 1998, a guest Professor in Technology University Dresden, Germany, from 2000 to 2001, a guest Professor in Gwangju Institute of Science and Technology, Korea, from July to November in 2007, and a Guest Professor in Waseda University, Japan from August to November in 2008. He has published 160 Journal and Conference papers, and two books. He is currently the Deputy Director of SJTU Institute of Signal Processing and Systems, an Associate Chairman of Shanghai Branch of Institution of Engineering and Technology, and the President of East China Electronic Circuits Research Society.



Note by the Editor

Three more IEICE International Sections will be introduced in coming issues of IEICE Global Plaza.

Upcoming International Conferences

APCC2015-IEICE Communications Soc., in Kyoto, Japan, on Oct. 14-16, 2015, <http://www.apcc2015.ieice.org/cfp/index.html>

INTELEC2015-IEICE Communications Soc., in Osaka, Japan, on Oct. 18-22, 2015, <http://www.intelec2015.org/>

MOC2015-IEICE Electronics Soc., in Fukuoka, Japan, on Oct. 25-28, 2015, http://www.comemoc.com/topics_e.html

ICTC2015-IEICE Communications Soc., in Jeju Island, Korea, Oct. 28-30, 2015, <http://www.ictc2015.org/>

ISAP2015-IEICE Communications Soc., in Tasmania, Australia, on Nov. 9-12, 2015, <http://isap2015.org/>

EIWAC2015-IEICE Communications Soc., in Tokyo, Japan, on Nov. 17-19, 2015, <http://comm.stage.ac/eiwac2015/index.html>

NOLTA2015-IEICE NOLTA Soc., in Hong Kong, PRC, on Dec. 1-4, 2015, <http://www.nolta2015.org/>

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