The 12th International Conference on ITS Telecommunications Concludes One of the Most Successful Meetings in Its 12-Year History

On behalf of the organizing committee and on my own behalf as the General Chair of the 12th International Conference on ITS Telecommunications hosted in Taipei, Taiwan, on November 5–8, 2012 (ITST-2012), I would like to describe ITST-2012 here for you. Held days ago, ITST recently completed one of the most successful meetings in its 12-year history. Throughout the four-day international event, more than 400 attendees representing 30 different countries converged to discuss the latest next-stage ITS Telecommunication trends, applications and cooperations.

Taipei, the capital city of Taiwan, is home to a vast ICT industry and an advanced transportation infrastructure. It was in this environment that ITST-2012 brought together researchers, developers, practitioners, and business executives from all over the world. This conference covered diverse topics within the field of ITS Telecommunications, including Smart Vehicles, Intelligent Transportation, Telecommunications, Positioning and Green Technologies. On November 5, after the opening addresses, ITST-2012 had 5 keynote speeches. For the first keynote speech, Dr. William C.Y. Lee delivered a talk entitled "Devel-

FIG 1 The distinguished guests.

FIG 2 Professor Alberto Broggi's speech at the welcome reception.

opment of Mobile Communications Since 1964." In the second, Dr. Adam Drobot addressed "Intelligent Transportation System Communications: .Car .Road .Net." In the third, Prof. Alberto Broggi addressed "Driverless Vehicles: Challenges and Future." In the fourth, Dr. Michele Fiorini discussed "The Titanic's Myth—A Century of Legend and Technology." In the fifth keynote speech, Prof. Hanna Bogucka addressed "Holistic Approach to Future Green Mobile Communications".

Later that evening, more than 200 attendees participated at the Welcome Reception for the conference, which was held at Spot-Taipei. Spot-Taipei was formerly the residency of the U.S. Ambassador and is now a historical landmark after the restoration sponsored by the TSMC Education and Culture Foundation. Dr. Hans Lu, who is an experienced consultant of Industry Verticals Customer Engagement at Ericsson Northeast Asia, spoke on "The Networked Society is our vision of the future" and "When

FIG 3 2012 GNSS.ASIA Taiwan Workshop.

FIG 4 Gala dinner.

everything connected, the world changed" in his invited speech. Professor Alberto Broggi, the Past-President of the IEEE ITS Society, delivered his address entitled "Introduction to IEEE ITS Society." In addition, Dr. Daniel Ludwig, Deputy Coordinator of the GNSS.asia Project, delivered his welcome greetings.

On Tuesday morning, the conference renewed with the Invited Talks and the International ITS Cooperation Workshop together with a Special Session on *Multimedia Mobile Communication* and several other technical sessions. Miss M. Anyaegbu delivered an invited talk entitled "A Sample-Mode Packet Delay Variation Filter for IEEE 1588 Synchronization." Dr. A. Ghazal delivered an invited talk entitled "A Non-Stationary Geometry-based Stochastic Model for MIMO

High-Speed Train Channels." Prof. Hsiao-Chun Wu delivered an invited talk entitled "Novel Blind Identification of LDPC Codes Using Average LLR of Syndrome a Posteriori Probability." The International ITS Cooperation Workshop was mainly organized by Chair Professor Song-Tsuen Peng and Professor Jason S.K. Chang and sponsored by the ITS-Taiwan. In the workshop, Mr. Pei-Chiao Wu, a Senior Specialist at EASYCARD Investment Holding Co. Ltd., delivered a speech entitled "*EASYCARD's Innovation Service—Mobile Payment*." Mr. Joe Wang, a Senior Technical Consultant at Acer Inc., delivered a speech entitled "Acer's Multiple Purposes E-Ticking System." Mr. Mingyeh Hsieh, Vice President of Marketing for HwaCom Systems Inc., delivered a speech entitled "From ITS to Smart City." Mr. Bor-Pheng Lin,

Deputy Manager at China Engineering Consultants, Inc., delivered a speech entitled "CECI's Intelligent Freeway Systems." Mr. Alex Chang, Senior Director at FETC Co. Ltd., delivered a speech entitled "FETC's eTag Applications." Dr. Li-Yu Lin, Deputy Director General of the DOT, Taipei City Government, delivered a speech entitled "Taipei Easy-Traffic Information App." Mr. Yi-Dar Lin, Vice President of THI Consultants, Inc., delivered a speech entitled "THI's BRT and APTS Developments." Mr. Wei-Teng Chen, Division Chief at Sunsky International Ltd., delivered a speech entitled "Sun's Image-Based Tunnel Safety Management System." Professor Shou-Ren Hu, from the Dept. of TCM at NCKU, delivered a speech entitled "ITS Research Needs and Collaboration in the Asia-Pacific Region." Professor Tang-Hsien Chang of the Dept. of Civil Engineering at NTU delivered a speech entitled "A Telematic Builder on the ad hoc N-Fi Technology." Mr. Takaaki Segi, General Manager of Public Relations and Liaison for ITS Japan, delivered a speech entitled "ITS Development in Japan." Mr. Andrew Pickford, the CEO of Transport Technology Consultants Ltd., delivered a speech entitled "ITS Developments in Hong Kong and Potential Cooperation." A Special Session on Electronic Road Pricing (ERP) and Electronic Toll Collection (ETC) was organized for the late afternoon on November 6. Mr. Andrew Pickford, the CEO of Transport Technology Consultants Ltd, delivered his invited speech entitled "Policy, Operations and Technology Developments in Electronic Tolling and Road Pricing." Mr. Richard Wu, Vice President of FETC Co. Ltd, delivered his invited speech entitled "ETC and ERP: Challenges and Potentials in Taiwan." A Panel Discussion chaired by Professor Song-Tsuen Peng featured the panelists Mr. Mu-Fu Wu, Chief Engineer for TANFB, MOTC; Dr. Yung-Chang Chang, Managing Director of FETC Co. Ltd.; Dr. S.K. Jason Chang, a Professor of the Department of Civil

Engineering of NTU and Dr. John Sun, the President of ITS Taiwan, THI Consultants, Inc.

In the afternoon of November 6, the GNSS.asia Project and the ECCT Technology Committee also held a workshop entitled "2012 GNSS.ASIA Taiwan Workshop." In this workshop, Justyna Redelkiewicz Musial of the European GNSS Agency; Giuseppe Izzo, General Manager of STMicroelectronics Taiwan; Tamas Maczak, Deputy Head of Office of EETO; Wen-Hsin Chan, Adviser to the DoIT of MOEA; Dr. Frank Tsai, Director of the Smart Network Systems Institute, Intelligent Telematics and Networked Systems Integration Center, III; Max Lai; Tom Tom; Miss Shu Min Chuang, Advisor Engineer of the Smart Network Systems Institute, III; and Michael Lee, Department Manager of the Connected Vehicle Department, Division for Telematics and Vehicular Control Systems, Information and Communications Research Laboratory, ITRI, delivered a series of talks regarding *(1) The latest trends in the global GNSS market, (2) Best practices and business opportunities in the GNSS downstream sector, (3) Joint EU-Taiwan industry partnership,* and *(4) Cluster-to-cluster opportunities.*

Afterwards, on November 7 Wednesday, ITST-2012 continued with tutorial courses and panel discussions. Professor T. Russell Hsing held a panel entitled "Cognitive Radio and Networks in Intelligent Vehicle Systems (IVS) and High Speed Rail (HSR) Applications: Challenges and Opportunities." Professor Hsiao-Chun Wu taught a tutorial course entitled "Game Theories for Wireless Networking Applications." Professor Neil Y. Yen delivered his tutorial course entitled "An Integrated Approach toward Human-Centered Search Support." In the afternoon of November 7, ITST-2012 arranged a city tour of the National Palace Museum. The collection of cultural artifacts held inside the National Palace Museum consists of an enormous treasure trove of objects from the Song, Yuan, Ming and Qing Dynasties. The development of the Museum is closely connected to the social changes of modern Chinese civilization and culture. That evening, more than 200 participants and colleagues gathered for the Gala Dinner at the SILKS PALACE at the National Palace Museum. The Gala Dinner attendees visited the National Palace Museum for the entire afternoon and then spent the entire evening enjoying a special cuisine that reflected the artifacts seen inside the National Palace Museum in the afternoon and banquet entertainments, including a Taiwanese Puppet Show, which originated locally and thus is unique in the world.

Thursday, November 8 marked the final day of the event, which was highlighted by as many technical sessions as on November 6 and 7. It is somewhat surprising for me that there was still a full number of attendees participating in the technical sessions that day. Finally, ITST-2012 successfully completed its 2012 event by offering communications and ITS professionals worldwide with the opportunity to not only network with global colleagues but also address the most important technical and business issues in ITS, Telecommunications and Green ICT technology. More information on ITST-2012 and the photographs taken at the venue can be found at www.ITST2012.org. Please enjoy.

Jia-Chin Lin, General Chair,
ITST-2012

The 2013 IEEE Intelligent Vehicles Symposium (IEEE-IV'13)
Sofitel Broadbeach, Gold Coast, Australia
23–26 June 2013
www.iv2013.org

The 2013 IEEE Intelligent Vehicles Symposium (IEEE-IV'13) was held in the City of Gold Coast, Australia, from 23 June to 26 June 2013.

The IEEE-IV'13 is the premier annual forum sponsored by the IEEE Intelligent Transportation Systems Society (ITSS). The Symposium was also sponsored by the Gold Coast Tourism and Navteq. The first day of the Symposium was characterized by a number of workshops while the remaining three days were aimed at profiling oral session and poster session papers.

In this year, two distinctive features were brought to the Symposium. Namely: