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Personal Satellite Services
Next-Generation Satellite Networking and Communication Systems
6th International Conference, PSATS 2014
Genova, Italy, July 28–29, 2014
Revised Selected Papers

Springer
Message from the General Chairs

It is our great pleasure to welcome you to the proceedings of the 6th International Conference on Personal Satellite Services (PSATS), held in Genoa, Italy. PSATS represents one of the most interesting gatherings of researchers and industry professionals in the field of satellite and space communications, networking, and services in the world. The sixth edition of the PSATS conference was no exception and brought together delegates from around the globe to discuss the latest advances in this vibrant and constantly evolving field.

The program included interesting keynote speeches from a highly innovative start-up, Outernet, presented by its founder Sayed Karim; from a big enterprise in the field, Ansaldo STS S.p.A., presented by Senior Vice-President Francesco Rispoli; and from academia, presented by two experts in the field of satellite and space networking, Prof. Franco Davoli and Prof. Mario Marchese, both from the University of Genoa. Ansaldo STS S.p.A. and the University of Genoa, together with the EIA, sponsored the conference and the success of the event is due in great part to their contributions.

The delegates of PSATS 2014 discussed and presented the latest advances in next-generation satellite networking and communication systems. A diverse range of topics from nano-satellites, satellite UAVs, as well as protocols and applications were featured at the conference. However, the major transformation is likely to be due to the increased capability of satellite technologies and their infiltration in new application domains with a profound impact on many sectors of our economy and the potential to lead to new paradigms in services and transportation. These were the messages derived from the presentation of the ten high-quality accepted papers, which represent approximately 50% of the submitted works.

Finally, the program also included two very exciting demos. The first, introduced by Prof. Carlo Caini, from the University of Bologna, was about delay-tolerant networks; the second, prepared by the Digital Signal Processing Laboratory of the University of Genoa (www.dsp.diten.unige.it), was on application layer coding for video streaming with mobile terminals over satellite/terrestrial networks.

In addition to the stimulating program of the conference, the delegates enjoined Genoa and the Ligurian Riviera, with its tourist attractions, the diversity and quality of its cuisine, and world-class facilities. It is an unforgettable place to visit. It was a pleasure, therefore, to bring the conference attendants to Genoa and its surroundings to enjoy the vibrant atmosphere of the city.

Finally, it was a great privilege for us to serve as the general chairs of PSATS 2014 and it is our hope that you find the conference proceedings stimulating.

July 2014

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Nei Kato
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