

Report IEICE Information and Communication Technology Forum 2017

Sławomir Hanczewski
Poznan University of Technology, Poland



1. Introduction

The fifth edition of the IEICE conference Information and Communication Technology Forum was held in Poznań (Poland) on July 4 – 6, 2017. The conference was hosted, for the second time in its history, by the Chair in Telecommunications and Computer Networks of Poznan University of Technology. The first ICTF conference was hosted in Poznań in May 2014. Poznań is the capital of Greater Poland – one of the regions in Poland. It is also a major industrial and scientific center in the country.

The principal organizer of the conference was the European Section of the IEICE (Institute of Electronics, Information and Communication Engineers). The other organizers of the conference, though on a smaller scale, also included the Poznań Division of the Polish Association of Telecommunication Engineers and the Chair in Telecommunications and Computer Networks (Poznań University of Technology). In addition, the ICTF2017 was financially sponsored by the Communications Society of IEICE (IEICE-CS).



Fig. 1 Poznan University of Technology (Lecture-Conference Center)

The 2017 IEICE ICTF aimed at encouraging the collaboration of researchers in academia and industry. The Forum gathered the researchers, professors, PhD students and experts from industry to exchange ideas and discuss major trends and challenges in information and communication technologies. In the course of the conference, participants focused on presenting trends in the Future Communication Technologies and Applications. Furthermore, the aim of the conference was to promote the organizational activities of IEICE in Europe.



Fig. 2 Prof. Krzysztof Wesolowski (Opening remarks)

The opening session of ICTF 2017 was chaired by the Chair of the Organizing Committee, Dr Sławomir Hanczewski. The conference was officially opened by the Dean of the Faculty of Electronics and Telecommunications at Poznan University of Technology, Prof. Krzysztof Wesolowski. Having welcomed the guests, Prof. Wesolowski in his speech briefed the participants on the history and major achievements of the Faculty. He also pointed at the need for cooperation between different research environments. In conclusion, Prof. Wesolowski wished all participant of the conference success and fruitful work. The first session of the ICTF 2017 was augmented by the very interesting presentation of Prof. Toshitaka Tsuda entitled “Core network in 5G Mobile era and ICN”.



Fig. 3 Prof. Toshitaka Tsuda (Core network in 5G Mobile era and ICN)

2. Conference Program

Thirty three presentations were given during the conference. Their thematic scope included: Engineering/Fundamentals, Information Processing, Electronics and Communications. The conference was attended (50 persons in total) by representatives of academia (from Japan and Europe) and industrial research centers. The presentations were organized in 13 sessions, which provided the opportunity for the participants to discuss the presentations with the rest of the audience in more detail.



Fig. 4 Dr. Adrian Kliks
(Spectrum Management and Radio Resource Virtualization – a COHERENT approach)

All of the presentations given during the conference have been submitted for publication in I-Scover. The participants of the conference also had an opportunity to publish their expanded versions in the quarterly Journal of Telecommunications and Information Technology (1/2018). JTIT is a periodical published by The National Institute of Telecommunications in Warsaw (www.itl.waw.pl/publikacje/kwartalnik-jtit). Access to the articles to be published will be free of charge.

But the ICTF conference is not only about research presentation and discussions on the current issues in IT! The underlying goal of the conference was also to help promote the activity of IEICE in Europe. Therefore, during the conference, the IEICE members attending the conference (from Japan, in particular) provided answers to a variety of questions related to the activity of IEICE and IEICE Europe.

On the second day of the conference the participants enjoyed a guided tour of the Old Town in Poznan. This sightseeing excursion was to provide the participants with practical experience with the history and culture of the city of Poznan. The participants were given extensive information on a number of the city's landmarks, such as the Parish Church in Poznan or the Town Hall. The day was concluded with the palatial celebratory dinner in the restaurant at 95 Rynek during which the participants had a chance to taste the local traditional dishes and get familiar with the regional cuisine.

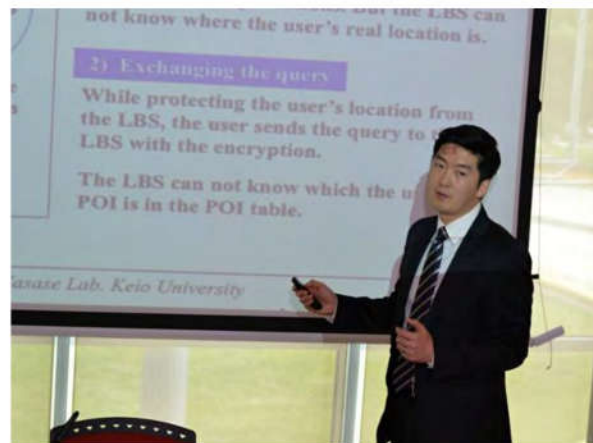


Fig. 5 Mr. Sanghun Choi (Cost Effective Dummy Generation Scheme in Non-Trusted LBS)

The conference was concluded on July 6th. During his closing remarks, Prof. M. Głabowski invited all participants to attend the next year's ICTF conference to be held in Graz (Austria). After the official conclusion of the conference the participants were offered an excursion to the headquarters of Poznan Supercomputing and Networking Center (www.man.poznan.pl/online/en/). Here, the participants had a chance to become acquainted with the latest works carried out by this extremely important research center that involve optical-fibre networks, electronics and robotics and multimedia, among others.

3. Future Event

The next edition of ICTF conference will be held in Graz (Austria) between 11 - 13 July, 2018. The conference will be hosted by the Institute of Microwave and Photonic Engineering, Technical University of Graz. The web page of the conference is already available at www.ictf2018.ieice-europe.org. The web page is regularly updated with current information related to the conference. As usual, all presented papers will be added to I-Scover.

We invite everyone interested to participate in the conference.