

IEICE Europe Section – current and future activities –

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1. Introduction

At present the main goal of IEICE Europe Section is to develop a good organizational structure that will provide adequate services to its members. One of the first initiatives was to establish a yearly IEICE Europe event that would help further promotion of the IEICE activities. Since 2011 such role play IEICE Information and Communication Technology Forum (ICTF). The Forum since 2011 to 2013 took place in Sarajevo, the capitol of Bosnia and Herzegovina.

2. IEICE ICTF Forum

The last IEICE Information and Communication Technology Forum has been held on 29th – 31st of May 2013. The Forum was organized by IEICE Europe Section and technically sponsored by the IEICE. In addition, the Forum has been technically sponsored by Communications Society of IEICE (IEICE-CS).

The Forum has been opened by Dr. Haris Gacanin, (IEICE Europe Section Chair). During ICTF we had 30 presentations with about 40 participants each day, all contributed to success of the conference.

The IEICE ICTF, except for the main track, also included the following keynote speakers both from the academia and industry [1]:

- Dr Yuji Inoue, IEICE President and Toyota ICT; “*Inter-industry Innovation*” – Fig. 1,
- Prof. Fumiyuki Adachi, IEICE ICTF General Chair Tohoku University; “*Disaster-resilient Multilayered Communication Networks*” – Fig.2,
- Prof. Maciej Stasiak, Poznan University of Technology, Poland; “*Modeling Traffic Control Mechanism in Mobile Networks*”.

In 2013, articles presented during Forum have been published for the first time in the I-Scover [2].

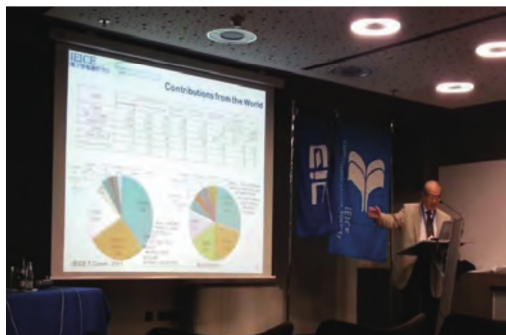


Fig. 1 Keynote speech by Dr Yuji Inoue [1].



Fig. 2 Keynote speech by Professor Fumiyuki Adachi.

The next ICTF conference is organized on 28-30 of May 2014, in Poznan, Poland (<http://www.ictf2014.org>). In 2015, the conference will be located in Manchester, United Kingdom.

3. IEICE Wireless Networks Workshop

In 2013, IEICE Europe Section starts new form of regular activity, namely, the IEICE Wireless Networks Workshop which will be organized every two years in different European country.

The 1st Wireless Network Workshop (WNW) was held on 12th and 13th December, 2013 at Faculty of Electronics and Telecommunications Poznan University of Technology in Poznan. The sponsors of the conference were: The Institute of Electronics, Information and Communication Engineers (IEICE), IEICE Europe Section, Poznan University of Technology, Polish Association of Telecommunication Engineers (PATE) and CARMNET project [3].

The workshop presentations started with the opening speech by the local committee chair, Prof. Mariusz Głabowski (IEICE-ES vice chair). During the WNW 2013 we had 18 presentations associated with related discussions, questions and answers over two forum days, with about 60 participants each day, all contributed to success of the workshop.

There were five sessions organized as follows:

- Mobility,
- Modeling & Simulation of Wireless Networks,
- Resource Allocation in Wireless Networks,
- Routing in Wireless Networks,
- Applications of Wireless Networks.

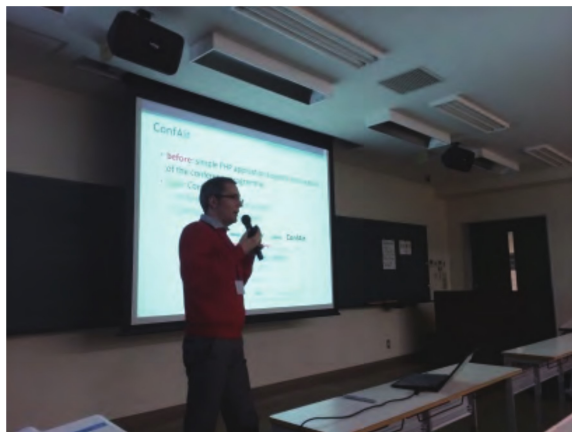


Fig. 3 Dr Maciej Piechowiak giving talk on “*I-Discover: IEICE Europe Section Experiences*”.

The WNW, except for the main track, also included known keynote speakers from the most important Polish universities presenting overviews of current research in important areas [3]:

- Dr. Krzysztof Gierłowski, Gdansk University of Technology; “*Ubiquity of client access in heterogeneous network environment*” – Fig.3,
- Dr Tomasz Bilski, Poznan University of Technology; “*Security Issues of Innovative Wireless Transmission Techniques*”,
- Dr Piotr Kiedrowski, University of Technology and Life Sciences in Bydgoszcz; “*Interaction of Retransmission on Effectiveness of Data Reading in Wireless Communication Systems Based on Short Range Devices*”.
- Prof. Maciej Stasiak, Poznan University of Technology; “*Queuing Models for Wireless Mesh Networks*”.

The next IEICE Wireless Networks Workshop in 2015 will be organized in Prague (Czech Republic).

4. IEICE Europe Section and I-Discover project

Dr Maciej Piechowiak, a member of Europe Section of the IEICE, participated in IEICE General Conference which was held in Niigata (Niigata University) from 18th to 21st March 2014. The IEICE has funded the grant covering travel costs and conference participation for members cooperating on the Knowledge Discovery (I-Discover) project. Dr. Maciej Piechowiak participated in panel discussions devoted to the organization activities and gave a lecture: “*I-Discover: IEICE Europe Section Experiences*”, which met with great interest of the participants and I-Discover developers.

In the framework of the IEICE EUS Maciej Piechowiak develops conference management system ConfAir (<https://confair.ieice-europe.org>), which enables integration with I-Discover.

ConfAir is also the content management system and allows to manage the conference website. It combines the best features of well-known conference management systems (EDAS, EasyChair). ConfAir is also the only application cooperating with the I-Discover

The system was initially created for IEICE ICTF conference and was used for the first time during IEICE Wireless Network Workshop in December 2013. Currently, the ConfAir is used for website management and as conference management system by organizers and participants of 2014 IEICE Information and Communication Technology Forum.

5. IEICE EUS and Special Section in TCOM

IEICE Europe Section also is involved in the journal activities. In 2014, members of the IEICE EUS were co-responsible for preparation of Special Section on EU’s FP7 ICT R&D Project Activities on Future Broadband Access Technologies in Conjunction with Main Topics of 2013 IEICE ICT Forum in IEICE TRANSACTIONS on Communications [4].

6. Conclusion

On behalf of the IEICE Europe Section chairs I would like to thank the authors, reviewers and the IEICE members for their contribution to the success of our activities in 2013.

I would also like to thank the IEICE and the IEICE-CS for their financial sponsorship which ensured that the our conferences were open not only to the authors of the accepted papers and registered participants, but also to all students interested in information and communication technology.

7. Reference

- [1] Amir Ligata, “Report on 2013 IEICE Information and Communication Technology Forum”, IEICE Communications Society – GLOBAL NEWSLETTER Vol. 37, No. 3, pp. 8-9, 2013.
- [2] Proceedings of 2013 IEICE ICTF: <http://i-scover.ieice.org/iscover/page/PUBLICATION-C42C7BF3-9B5A-A0FD-6EED-F02407B6E5EF>
- [3] Piotr Zwierzykowski, “The 1st IEICE Wireless Network Workshop WNW 2013 Held at Poznan University”, IEICE Global Plaza—Monthly community plaza in English for students, faculties and engineer, Vol. 97, No. 2, p. 173, 2014
- [4] IEICE Communications Society – GLOBAL NEWSLETTER Vol. 37, No. 3, p. 44, 2013.