

## Foreword about Miroslav Voznak, the member of the International Scientific Editorial Board of ADVANCES IN ELECTRICAL AND ELECTRONIC ENGINEERING journal

Born in Frydek-Mistek, 1971. He graduated in electronics and telecommunication engineering from the Faculty of Electrical Engineering and Computer Science (FEECS) VSB-Technical University of Ostrava in 1995. He received his Ph.D. degree in telecommunications at the same faculty in 2002. Since 2009 he has been associate professor with the Department of Telecommunications FEECS in Ostrava. The topics of his research include next generation networks, IP telephony, speech quality and network security. He delivered his lectures at several foreign universities and is a guarantor of studies in the field of Mobile Technologies at FEECS in Ostrava. He is also a member of the editorial boards of several journals and conference committees of international scientific conferences, a member of IEEE, the Czech Higher Education Development Fund Council for technical fields and the Scientific board of FEECS in Ostrava.



Miroslav Voznak

Dear readers,

First and foremost, allow me to say a few words about the RTT 2010 and KTTO 2010 conferences from which interesting topics for the AEEE special edition were selected. More than a year has elapsed since these events took place, which is long enough for the authors of the contributions in the fields we had selected to achieve further progress in their research, thus contributing to the quality of the content of this issue.

The RTT (Research in Telecommunication Technologies) conference had originally been established on the occasion of the meeting of telecommunication departments from Slovakia and the Czech Republic. Gradually, the event transformed into a conference, allowing for further meetings. The twelfth RTT conference in 2010 was attended by more than 100 participants, with 56 contributions presented in eight sections. The event was organised by the Department of Telecommunications in Ostrava, and was held in the Diana hotel in Velké Losiny. The event was successful also thanks to the sponsors, listed at <http://rtt.vsb.cz>.

The latter conference, referred to as KTTO (Knowledge in Telecommunication Technologies and Optics), had originated in workshops of the Department of Telecommunications regularly held in Ostrava since 2000. In 2008, the event transformed into a conference, with English as the official language. The 2010 KTTO was held in the Auditorium of VSB-Technical University of Ostrava. Forty six contributions were presented in twelve sections. Another KTTO conference was held in Szczyrk, Poland, in cooperation with ATH Bielsko-Biala. More than 50 lecturers from Europe, Asia and Northern America came to Silesian Beskydy mountains. The event was attended by two rectors and a number of prominent personalities of the Silesian region. Again, it would be very difficult for us to organise such an event without the support of the sponsors, and thus I would like to express my acknowledgement, <http://ktto.vsb.cz>. For both conferences, RTT 2010 and KTTO 2010, I must not fail to thank the lecturers who, with their high-quality contributions and good humour, contributed towards their unrepeatable atmosphere. My colleagues from the department, who helped to organised the events, also did a great job. Last but not least, I would like to thank the reviewers and members of individual conference committees.

When the AEEE editor's office asked me to write the editorial, the editor in chief recommended me to attempt to convey a certain vision in the area of telecommunications. I must admit I had to think for some time what would communication technologies look like in ten years time. To put together a coherent vision is not an easy task. I would like to paraphrase the story of Vint Cerf's missing sock which would never had gone missing if it had had implemented an RFID chip allowing its easy localisation. Communications technologies of the future will be more about communications of things than those of today. Naturally, the Internet will play a pivotal role, and I hold this view not only because Vint Cerf wanted to find his sock on the Internet. At the same time, the need for user's mobility will increase, in particular the mobility of management allowing for switching between different mobile technologies in operation. Cloud computing on the level of the servers with communication infrastructure providing services will be much more widespread. More emphasis will be put on security of developed solutions and their resistance against misuse and attacks. Moreover, communications technologies of the future will have to address the protection of privacy more extensively.

Before I conclude, I would like to express my respect to the AEEE team for the work they do and to wish them a great deal of high quality articles and reviews in the future.