

# Quality of voice and video transmission over IP networks

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The current state of Telecommunications can be characterized by a network convergence process facilitated by the transition from separate circuit-switched voice and data networks, to packet-switched network, supporting both voice and data transmissions. This presents some significant challenges including quality of transmission due to the very different transmission environment.

In this seminar, Dr. Počta will present an overview of speech and video quality assessment principles and summarize his own research in this area. He will also speak about his involvement with standardization bodies, like ETSI TC STQ and ITU-T SG12.

Venue:

Date:

Time:

## Biography

Peter POČTA was born in 1981, in Nové Zámky, Slovakia. He received his M.S. and Ph.D. degrees from the University of Žilina, Faculty of Electrical Engineering, Slovakia in 2004 and 2007, respectively. During his Ph.D. study, he was awarded a number of fellowships. Firstly, he spent 3 months as an Erasmus student in the Department of Electrical Engineering and Information Technology, Chair of Telecommunications at Dresdner University of Technology, Germany where he collaborated on testing principles over ADSL access lines. Secondly, he was with Alcatel-Lucent, R&D center, Network Integration department, Stuttgart, Germany where he investigated some impacts on speech quality in WiMAX system. He is currently an Associate Professor in the Department of Telecommunications and Multimedia at the University of Žilina and is involved with International Standardization through the ETSI TC STQ as well as ITU-T SG12 working group. His research interests include speech, audio and video quality assessment, VoIP, VoWLAN and software-defined networking. He has published over 25 refereed papers in international journals and conferences including Acta Acustica united with Acustica, Advances in Multimedia (Hindawi), AEÜ - International Journal of Electronics and Communications (Elsevier), MESAQIN and QoMEX conferences. He also serves as an external reviewer for Journal of Systems and Software (Elsevier), Computer Standards & Interfaces (Elsevier), Speech Communications (Elsevier) and the Mediterranean Journal of Electronics and Communications (SoftMotor) and several conferences in area of speech quality and communication networks.

## Links:

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