

LCN 2016 Keynote

Tuesday, 8th November 2016

Intelligent Adaptive Management in Local Wireless Networking

Prof. Dr. Adam Wolisz

Technische Universität Berlin
Germany

Abstract

Wireless technologies play a constantly increasing role also in the local connectivity. They differ from their wired counterparts by far not only in less reliable (and variable) medium and, thus, MAC protocols. Due to limitations in frequency availability, the need for coexistence of different networks (both different technologies and different instances of the same technology managed autonomously by different owners) becomes more and more recognized. The talk will address the questions of adaptive management in such networks.

About the Speaker

Adam Wolisz received the Diploma degree in 1972, the Ph.D. degree in 1976, and the Habil. degree in 1983, all from the Silesian University of Technology, Gliwice, Poland. He worked several years with the Department of Complex Automation Systems (later Institute of Theoretical and Applied Informatics of the Polish Academy of Sciences) in Gliwice, Poland and GMD Fokus in Berlin leading activities in computer networks and distributed system design and evaluation.

He joined Technische Universität Berlin, Berlin, Germany, in 1993, where he is currently a Chaired Professor in Telecommunication Networks and an Executive Director of the Institute for Telecommunication Systems. He is also an Adjunct Professor with the Department of Electrical Engineering and Computer Science, University of California at Berkeley, Berkeley, California, USA. His current research interests include architectures and protocols of communication networks, wireless/mobile networking, and sensor networks.