

Novel WiMAX book, approved by John Wiley & Sons *"WiMAX Evolution: Emerging Technologies and Applications"*

Wiley approved a novel book on WiMAX entitled **"WiMAX Evolution: Emerging Technologies and Applications"** edited by M. Katz and F. Fitzek. acticom's engineers are contributing two chapters on **"Integrating Robust Header Compression Technology into WiMAX"** and **"WiMAX Security Solution"**. The integration of the acticom RoHC solution in WiMAX networks has been shown in a collaborative work with VTT, Finland. Currently those results are evaluated and prepared for publication in the upcoming book and white papers.

[John Wiley & Sons](#), also referred to as [Wiley](#), is a well-known global publishing company serving business professionals and consumers, students, and instructors in higher education, and the world's scientific, technical, medical, and scholarly communities. The company produces books, journals, and encyclopedias, in print and electronically, as well as online products and services, training materials, and educational materials for undergraduate and graduate students and lifelong learners.

"The integration of the acticom RoHC protocol stack into a real WiMAX environment was just the first step towards a new IP multimedia experience, and has been achieved in collaboration with a team of highly motivated and experienced researchers at [VTT](#), Finland. The next logical step was to prove the expectations from using a RoHC enabled WiMAX wireless access network. Our engineers and the VTT researchers have done a very good job on integration and use of the system. The results from the collaboration with VTT and the outlook on future WiMAX systems can be studied in the upcoming Wiley book." says Gerrit Schulte, Managing Director at acticom.

About acticom

acticom is known as a leading provider for Robust Header Compression protocol stacks. The acticom RoHC solution has already been integrated into WiMAX systems, 3GPP cellular systems, such as mobile handsets or infrastructure systems, and protocol test and monitoring devices. For all book contributions the engineers used the acticom RoHC protocol stack, the acticom 802.1x/EAP framework, and their know-how to enrich the WiMAX test environment with lacking features, allowing real measurements, performance analysis, and security considerations that deliver results beyond simulation and approximations.

About Dr. Frank Fitzek

Frank Fitzek received a Dipl.-Ing. degree in electrical engineering from RWTH Aachen in 1997, and a Ph.D., also in electrical engineering, from the Technical University Berlin (TUB) in 2002. In 1999 he co-founded acticom and is currently also a professor at Aalborg University, Denmark, acting as the Head of Future Vision. He became Nokia Champion, published more than 200 well known papers, books, and journals about wireless telecommunication networks, and is responsible for research and innovation at acticom.

WiMAX: WiMAX stands for World Wide Interoperability for Microwave Access and provides wireless access in metropolitan areas over long distances at high data rates.

RoHC: Robust Header Compression (RoHC), standardized in RFC 3095, is a technology to compress the IP/UDP/RTP protocol header information down to a minimum while being robust against errors.

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