

# Security and privacy in 5G and beyond: false myths and emerging challenges

Giuseppe Bianchi

*CNIT/University Rome Tor Vergata, IT*

## Abstract

Most of the today's layman discussion on 5G security focuses on geopolitics, laws and policies, but sometimes lacks a firm technical background. As such it is often simplistic and affected by misconceptions and false myths. Goal of this talk is twofold. First of all, our goal is to increase people's understanding of why 5G+ security and privacy is a complex and heterogeneous field with a wide range of threats, and why it can hardly be dealt with via a "one-size-fits-all" strategy. Then, we will briefly present some specific issues (from HW threats to protocol limits to monitoring needs) which we believe do require a closer investigation our community.

## Bio



Giuseppe Bianchi is Full Professor of Networking at the University of Roma Tor Vergata since 2007. His research activity includes wireless networks (his pioneering research work on WLAN modelling and assessment has received the ACM SigMobile 2017 Test-Of-Time award), programmable network systems, privacy and security, traffic modelling and control, and is documented in about 250 peer-reviewed international journal and conference papers, accounting for about 20.000 citations (source: Google Scholar). He has coordinated six large scale EU projects and has been (or still is) editor for several journals in his field, including IEEE/ACM Trans. on Networking, IEEE Trans. on Wireless Communications, IEEE Trans. on Network and Service Management, and Elsevier Computer Communications.