

Journal of Cyber Security and Mobility 3-2, Special Issue on Next Generation Mobility Network Security



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It is great and fantastic. I actually have read and so i am certain that i am going to going to go through once again yet again in the future. I realized this ebook from my dad and i encouraged this book to find out.

(Dr. Kayden Gerlach)

JOURNAL OF CYBER SECURITY AND MOBILITY 3-2, SPECIAL ISSUE ON NEXT GENERATION MOBILITY NETWORK SECURITY



River Publishers, United States, 2014. Paperback. Book Condition: New. 234 x 156 mm. Language: English . Brand New Book ***** Print on Demand *****.The Long Term Evolution (LTE) is the newly adopted standard technology to offer enhanced capacity and coverage for mobility networks, providing advanced multimedia services beyond traditional voice and short messaging traffic for billions of users. This new cellular communication system is the natural evolution of 3rd Generation Partnership Project (3GPP)-based access networks, enhancing the Universal Mobile Telecommunications System (UMTS). LTE introduces a substantial redesign of the network architecture resulting in the new eUTRAN (Enhanced Universal Terrestrial Radio Access Network) and the EPC (Enhanced Packet Core). In this context, the LTE Radio Access Network (RAN) is built upon a redesigned physical layer and based on an Orthogonal Frequency Division Multiple Access (OFDMA) modulation, which features robust performance in challenging multipath environments and substantially improves spectrum efficiency and capacity. Moreover, the new all-IP core architecture is designed to be more flexible and flatter, with a logical separation of the traffic related functions and the control and signaling functions. Over the last few years, researchers have published and presented potential vulnerabilities and attacks against the second generation of mobile networks, the Global System for Mobile Communications (GSM). Although technology, encryption schemes and security in general have drastically improved in LTE with respect of legacy GSM networks, security research should continue proactively working towards secure and resilient mobile communication systems. In this context, the cyber-security landscape has changed drastically over the last few years. It is now characterized by large scale security threats and the advent of sophisticated intrusions. These new threats illustrate the importance of strengthening the resiliency of mobility networks against security attacks, ensuring this way full mobility network availability. This special issue of the Journal of Cyber Security...



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