



Entity Authentication and Personal Privacy in Future Cellular Systems (Hardback)

By Geir M. Koien

River Publishers, Denmark, 2009. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. There are now (Q1 2009) more than 4 billion cellular subscribers in the world and this number is constantly growing. With this in mind it should be clear that use of mobile communication has already become both pervasive and ubiquitous. It has become a global commodity really. Entity Authentication and Personal Privacy in Future Cellular Systems aims at explaining and examining access security as it is found in mobile/cellular systems. A thorough investigation of how access security and personal privacy is handled in the 3GPP system is conducted. This includes both the 2G systems GSM/GPRS and the 3G system UMTS. The emerging fourth generation LTE architecture is also examined. The first part of the book deals exclusively with presenting access security as found in the 3GPP system. Particular attention is given to the authentication and key agreement procedures. The 3GPP systems have evolved and the access security architecture in LTE is substantially more advanced and mature than what you would find in GSM/GPRS, but even the LTE security architecture has its limitations. In part two of the book we go on to...



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