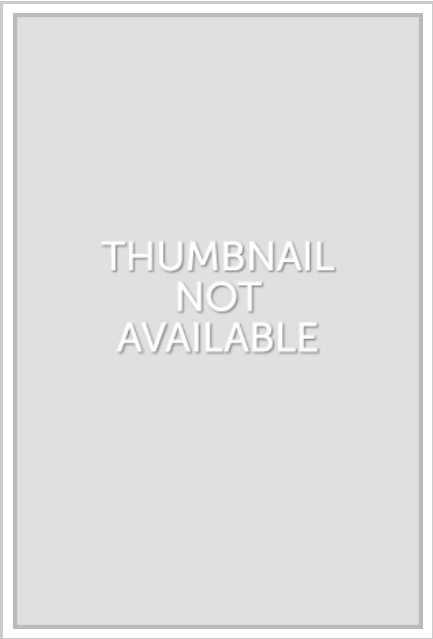


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Development and Implementation of secure GSM algorithm for Mobile Banking

By Ali Raheem

GRIN Verlag. Paperback. Book Condition: New. Paperback. 64 pages. Dimensions: 8.3in. x 5.8in. x 0.1in.Masters Thesis from the year 2011 in the subject Computer Science - IT-Security, grade: MERIT , Middlesex University in London, course: Telecommunication Engineering , language: English, abstract: GSM systems are vulnerable to an unauthorized access and eaves droppings when compared with the traditional fixed wired networks due to the mobility of its users. The main idea of this project is to develop an application device to secure mobile banking over unsecure GSM network. It is important to mention here that, mobile banking is a term used for performing balance checks, account transactions, payments, credit applications and many other online applications. But unfortunately, the security architecture for cellular network is not entirely secure. As a matter of fact, GSM network infrastructure is proved to be insecure and many possible attacks have well documented in the literature. Security was never considered in the initial stages therefore sending protective banking information across an open mobile phone network remains insecure. Consequently, this project focuses entirely on the developing and designing security techniques to asses some security issues within mobile banking through cellular phone network (GSM). The main aim of this...

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