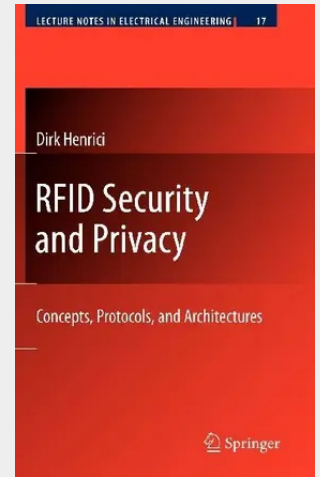


RFID Security and Privacy

Concepts, Protocols, and Architectures

In the beginning of 2003, I found a short article about the privacy implications of RFID technology in a newspaper. It raised my interest, and after reading some early research papers on the topic, I thought: "There must exist better solutions." I concerned myself with the topic in my spare time. After having developed my solutions, I asked my supervisor, Prof. Dr. Paul Muller, whether I could write a paper about my results. As the topic did not fit into any running project or at least the overall research directions of his group, he could have answered no. But instead, he encouraged me to do it. The paper became a success, and many other papers about new concepts and solutions followed. Now the answer is obvious: There exist better solutions. I have dealt with the topic over the past years. Now I want to share the basics as well as current research results with the reader. This book is surely not a bedside reading. But with all the presented concepts, it can broaden the mind of the reader concerning security, privacy, and RFID systems. Wish the reader many new insights. There are many people I would like to thank. First of all, my thanks go to my supervisor, Prof. Dr. Paul Muller. He gave me room for creativity and plenty of rope to work on my own.

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