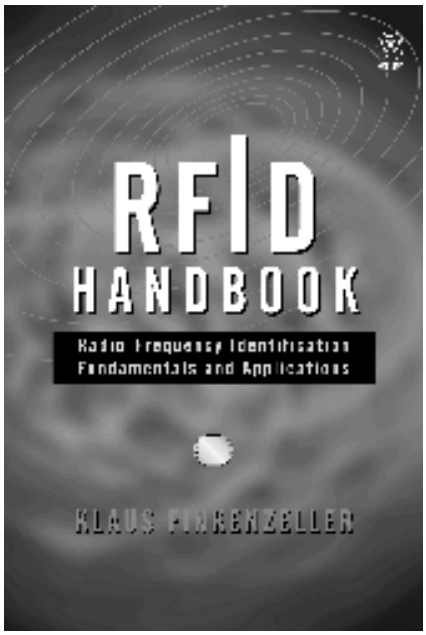
Contents and Preface of the RFID-Handbook



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Klaus Finkenzeller, Munich, Germany
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Preface

This book is aimed at an extremely wide range of readers. First and foremost it is intended for students and engineers who find themselves confronted with RFID technology for the first time. A few basic chapters are provided for this audience describing the functionality of RFID technology and the physical and IT-related principles underlying this field. The book is also intended for practitioners who, as users, wish to or need to obtain as comprehensive and detailed an overview of the various technologies, the legal framework or the possible applications of RFID as possible.

Although a wide range of individual articles are now available on this subject, the task of gathering all this scattered information together when it is needed is a tiresome and time-consuming one – as researching this book has proved. This book therefore aims to fill a gap in the range of literature on the subject of RFID.

This book uses numerous pictures and diagrams to attempt to give a graphic representation of RFID technology in the truest sense of the word. Particular emphasis is placed on practical considerations. For this reason the chapter entitled "Example Applications" is particularly comprehensive.

Technological developments in the field of RFID technology are proceeding at such a pace that although a book like this can explain the general scientific principles it is not dynamic enough to be able to explore the latest trends regarding the most recent products on the market. I am therefore grateful for any suggestions and advice – particularly from the field of industry. The basic concepts and underlying physical principles remain, however, and provide a good background for understanding the latest developments.

At this point I would also like to express my thanks to those companies who were kind enough to contribute to the success of this project by providing numerous technical data sheets, lecture manuscripts and photographs.

Munich, January 1998
Klaus Finkenzeller