

INTEGRATED CIRCUIT CARDS TAGS AND TOKENS

New Technology and Applications



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UNITED SERVICES AUTOMOBILE ASSOCIATION
Exhibit 1003

EDITED BY

Integrated circuit cards are about to cause a revolution in everyday life.

They will play a key part in:

- **vending and payment systems**
- **personal access control**
- **security documents such as driving licences and passports**

This book is based on a major R & D investigation at the National Physical Laboratory.

Expert contributions cover:

- **hardware and software**
- **typical applications from banking to medical records**
- **economic and consumer issues**
- **electronic coins**

The book is written by a team of specialist contributors from the UK and the USA, and edited by Peter Hawkes of the British Technology Group, Donald Davies FRS, formerly of the National Physical Laboratory and Wyn Price, leader of the NPL's Data Security Group. The book will be an invaluable source of information for all electronics engineers involved in designing the systems that will accept integrated circuit cards, and in designing the cards themselves. It will also be of interest to card providers and users and to data security experts.

Integrated Circuit Cards, Tags and Tokens

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Edited by

**P. L. Hawkes, D. W. Davies
and W. L. Price**

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