

Kato, Hiroko, Keng T. Tan and Douglas Chai. *Barcodes for Mobile Devices*. New York, NY: Cambridge University Press, 2010, 257 pp. \$110.00 (Hardbound).

### ***Barcodes for Mobile Devices***

From inventory management in stores to automotive part tracking in assembly plants, barcodes are one of the most prevalent automotive identification and data capture technologies.

This book provides a complete introduction to barcodes for mobile devices where data captured in the device's camera can be interpreted by signal processing algorithms. The most relevant and up-to-date information, previously unavailable elsewhere or difficult to obtain, is presented. The focus throughout is on recent developments and two-dimensional (2D) barcodes, including the research and development steps towards colour barcodes for mobile devices, helping readers to develop their own barcodes. The authors also provide design details for their own novel colour 2D barcode, the Mobile Multi-Colour Composite (MMCC™) barcode, plus a coverage of RFID technology and one-dimensional barcodes.

This book is ideal for professional developers of barcodes for mobile devices who need the latest technical details and information on how to develop barcodes. It is also a useful reference for graduate students researching the field of barcode technology and mobile computing.

**Hiroko Kato** recently completed her Ph.D. in the School of Computer and Information Science at Edith Cowan University, Australia, where her research involved developing a novel 2D barcode. Her current research interests are computer vision and human computer interaction.

**Keng T. Tan** is the founder of GO-CDMA Limited, a private R&D company in Hong Kong. He is a technical expert in mobile computing and wireless communications. Dr. Tan is also a registered IP attorney. In 1995 he won the Institute of Engineers Australia Medal.

**Douglas Chai** is a Senior Lecturer in the School of Engineering at Edith Cowan University. His current research interests include barcode technology, image processing, video coding and pattern recognition.