

Springer

2nd  
edition

2nd ed. 2009, LXII, 775 p.

**Printed book**

Hardcover

**Printed book**

Hardcover

ISBN 978-0-387-76500-6

£ 90,00 | CHF 143,64 | 99,95 € |  
109,95 € (A) | 106,95 € (D)

Available

**Discount group**

Science (SC)

**Product category**

Graduate/advanced undergraduate textbook

**Other renditions**

Softcover

ISBN 978-0-387-76502-0

**Materials Science : Characterization and Evaluation of Materials**

Williams, David B., Carter, C. Barry, University of Alabama, Huntsville Office of the President, Huntsville, AL, USA

# Transmission Electron Microscopy

**A Textbook for Materials Science**

- **Undisputed market leader, now completely revised and updated**
- **First-ever TEM text with four-color illustrations throughout**
- **Includes approximately 800 self-assessment questions and over 400 questions suitable for homework assignment**
- **Ideal for use as a teaching text and as a hands-on reference for materials scientists**
- **Softcover set contains four volumes covering Basics, Diffraction, Imaging, and Spectrometry**

This groundbreaking text has been established as the market leader throughout the world. Profusely illustrated, Transmission Electron Microscopy: A Textbook for Materials Science provides the necessary instructions for successful hands-on application of this versatile materials characterization technique. For this first new edition in 12 years, many sections have been completely rewritten with all others revised and updated. The new edition also includes an extensive collection of questions for the student, providing approximately 800 self-assessment questions and over 400 questions that are suitable for homework assignment. Four-color illustrations throughout also enhance the new edition. Praise for the first edition: 'The best textbook for this audience available.' – American Scientist 'Ideally suited to the needs of a graduate level course. It is hard to imagine this book not fulfilling most of the requirements of a text for such a course.' – Microscope 'This book is written in such a comprehensive manner that it is understandable to all people who are trained in physical science and it will be useful both for the expert as well as the student.' – Micron 'The book answers nearly any question - be it instrumental, practical, or theoretical - either directly or with an appropriate reference...This book provides a basic, clear-cut presentation of how transmission electron microscopes should be used and of how this depends specifically on one's specific undergoing project.' – MRS Bulletin, May 1998 'The only complete text now available which includes all the remarkable advances made in the field of TEM in the past 30-40 years....'

**Order online at [springer.com/booksellers](http://springer.com/booksellers)****Springer Nature Customer Service Center GmbH**

Customer Service

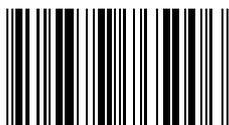
Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

row-booksellers@springernature.com



ISBN 978-0-387-76500-6 / BIC: TGMT / SPRINGER NATURE: SCZ17000

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.