## An Excellent Addition to Your Library!

Released: October 2013

# Quantum and Optical Dynamics of Matter for Nanotechnology

#### Premier Reference Source

Quantum and Optical Dynamics of Matter for Nanotechnology

Part of the Advances in Chumical and Materials Engineering Rock Series



ISBN: 9781466646872; © 2014; 297 pp. Print: US \$180.00 | Perpetual: US \$270.00 | Print + Perpetual: US \$360.00

Pre-pub Discount:\* Print: US \$170.00 | Perpetual: US \$255.00 \* Pre-pub price is good through one month after publication date. Part of the Advances in Chemical and Materials Engineering Book Series

#### Mihai V. Putz (West University of Timisoara, Romania)

With the emergence of nanoscience and technology in the 21st century, research has shifted its focus on the quantum and optical dynamical properties of matter such as atoms, molecules, and solids which are properly characterized in their dynamic state.

**Quantum and Optical Dynamics of Matter for Nanotechnology** carefully addresses the general key concepts in this field and expands to more complex discussions on the most recent advancements and techniques related to quantum dynamics within the confines of physical chemistry. This book is an essential reference for academics, researchers, professionals, and advanced students interested in a modern discussion of the niche area of nanotechnology.

#### **Topics Covered:**

- Atomic Interference
- Light Source Analysis
- Molecular Photo-Dissociation
- Nano-Diffraction

- Non-Linear Optics
- Optical Transitions
- Quantum Optics of Nano-Systems

**Market:** This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners. Ideal for classroom use.



Publishing Academic Excellence at the Pace of Technology Since 1988

### Order Your Copy Today!

Name: Organization:	Enclosed is check payable to IGI Global in US Dollars, drawn on a US-based bank
Address:	🗌 Credit Card 🔲 Mastercard 🗌 Visa 🗌 Am. Express
City, State, Zip:	3 or 4 Digit Security Code:
Country:	Name on Card:
Tel:	Account #:
Fax:	Expiration Date:
E-mail:	