Techniques and Principles in Three-Dimensional Imaging: An Introductory Approach

Martin Richardson  
(De Montfort University, UK)

The current progression of 3-D imaging is part of a photonics revolution that continues to discover new human needs and ever-greater potential. Updating the content as further technologies and commercial applications appear becomes essential in the field of 3-D imaging.

Techniques and Principles in Three-Dimensional Imaging: An Introductory Approach provides the reader with a concrete understanding of basic principles and pitfalls for 3-D capturing. Highlighting stereoscopic imaging systems including holography; this book is an essential tool for scholars concerned with the interdisciplinary field of 3-D science and next generation imaging, as well as readers interested in the field of three-dimensional and its wider application.

Topics Covered:

- Camera and Display Parameters
- Depth Acuity
- Evaluation of Display Technologies
- Glasses-Free 3-D Imaging

- Historical Development of 3-D
- Projective Geometry in Stereo Modelling
- Stereoscopic Display Configuration and Implementation


Print: US $200.00 | Perpetual: US $300.00 | Print + Perpetual: US $395.00

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

www.igi-global.com
Enclosed is check payable to IGI Global in US Dollars, drawn on a US-based bank.

[ ] Credit Card  [ ] Mastercard  [ ] Visa  [ ] Am. Express

3 or 4 Digit Security Code: ____________________________

Name on Card: ____________________________________________

Account #: ________________________________________________

Expiration Date: ________________________________

Order Your Copy Today!

An Excellent Addition to Your Library!