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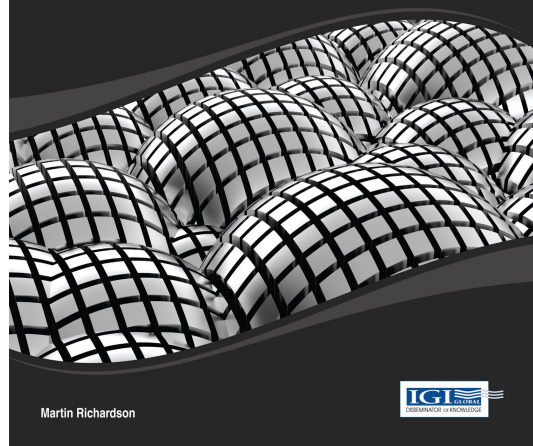
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## Techniques and Principles in Three-Dimensional Imaging: An Introductory Approach

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### Techniques and Principles in Three-Dimensional Imaging

An Introductory Approach



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Part of the Advances in Multimedia and Interactive Technologies Book Series

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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

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