

Recent Advances in 3D Imaging, Modeling, and Reconstruction

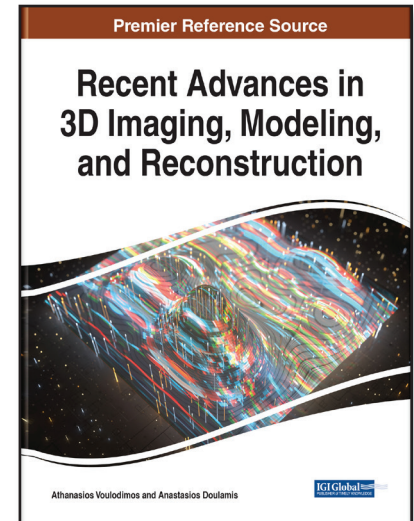
Part of the Advances in Multimedia and Interactive Technologies Book Series

Athanasios Voulodimos (National Technical University of Athens, Greece) and Anastasios Doulamis (National Technical University of Athens, Greece)

Description:

3D image reconstruction is used in many fields, such as medicine, entertainment, and computer science. This highly demanded process comes with many challenges, such as images becoming blurry by atmospheric turbulence, getting snowed with noise, or becoming damaged within foreign regions. It is imperative to remain well-informed with the latest research in this field.

Recent Advances in 3D Imaging, Modeling, and Reconstruction is a collection of innovative research on the methods and common techniques of image reconstruction as well as the accuracy of these methods. Featuring coverage on a wide range of topics such as ray casting, holographic techniques, and machine learning, this publication is ideally designed for graphic designers, computer engineers, medical professionals, robotics engineers, city planners, game developers, researchers, academicians, and students.



ISBN: 9781522552949

Pages: 270

Copyright: 2020

Release Date: February, 2020

Hardcover: \$195.00

Softcover: \$150.00

E-Book: \$195.00

Hardcover + E-Book: \$235.00

Topics Covered:

3D Site Modeling

Biometric Vision

Fractal and Chaos Theory

Graphic Devices Innovation

Graphical Data Presentation

Holographic Techniques

Image Analysis and Understanding

Machine Learning for Computer Vision

Medical Image Reconstruction

Pattern Matching and Pattern Recognition

Ray Casting

Subject: Media and Communications

Classification: Edited Reference

Readership Level: Advanced-Academic Level
(Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: www.igi-global.com

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA