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Nota di contenuto	1. Virtual reality image generation and enhancement based on real-time model simplification -- 2. Deep Landscape Design Evaluation System with Multi-scale Visual Attention Mechanism -- 3. The Role and Effect of Deep Learning in Landscape Design Innovation -- 4. Application of 3D Image Technology and Deep Learning in Landscape Design -- 5. The Influence of University Yoga Course Based on VR Technology on university students' Physical Fitness and Special Sports Skills -- 6. Enhancing Mobile Robot Path Planning through Advanced Deep Reinforcement Learning -- 7. Innovative Application of VR Technology in Ceramic Art Design Exhibition -- 8. Deep Learning-based Species Classification using Joint ResNet and Data Augmentation

-- 9. Simulation and Application of Digital Display Model Based on Computer Vision and Virtual Reality -- 10. Chinese Image Description Generation Model Based on Recurrent Fusion Encoding.

Sommario/riassunto

This book presents high-quality research in the field of 3D imaging technology. The fifth edition of International Conference on 3D Imaging Technology (3DDIT-MSP&DL) continues the good traditions already established by the first four editions of the conference to provide a wide scientific forum for researchers, academia, and practitioners to exchange newest ideas and recent achievements in all aspects of image processing and analysis, together with their contemporary applications. The conference proceedings are published in two volumes. The main topics of the papers comprise famous trends such as: 3D image representation, 3D image technology, 3D images and graphics, and computing and 3D information technology. In these proceedings, special attention is paid at the 3D tensor image representation, the 3D content generation technologies, big data analysis, and also deep learning, artificial intelligence, the 3D image analysis and video understanding, the 3D virtual and augmented reality, and many related areas. The first volume contains papers in 3D image processing, transforms, and technologies. The second volume is about computing and information technologies, computer images, and graphics and related applications. The two volumes of the book cover a wide area of the aspects of the contemporary multidimensional imaging and the related future trends from data acquisition to real-world applications based on various techniques and theoretical approaches.
