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   Nota di contenuto   Chapter 1. Short-Term Traffic Volume Prediction Based on Gray Wolf Optimization Algorithm -- Chapter 2. Research on Car Seat Comfort Evaluation System Based on Chinese Population -- Chapter 3. Classification Method Active Pulmonary Tuberculosis With 3D Texture Features From CT Images -- Chapter 4. Research on Building Extraction from High Resolution Remote Sensing Image Based on Improved U-Net -- Chapter 5. A Survey of Image Classification Algorithms Based on Graph Neural Networks -- Chapter 6. Biological Particle Recognition Based on BP Neural Network Algorithm -- Chapter 7. License Plate Recognition System Based on OpenCV -- Chapter 8. ImageCube: A Low-cost 6D Controller with Smooth Tracking for Mobile Augmented Reality -- Chapter 9. Overview of SAR Image Change Detection -- Chapter 10. Overview of SAR Image Denoising Based on Transform Domain -- Chapter 11. An Improved Method of Non-local Means Denoising Based on Histogram -- Chapter 12. Overview of Speckle

Noise Suppression Methods in SAR Image Based on NLM -- Chapter 13. Overview of SAR Image Feature Extraction and Target Recognition -- Chapter 14. Image Recognition Based on Super-resolution Wasserstein Generative Adversarial Nets with Gradient Penalty -- Chapter 15. LUCC and Landscape Pattern Variation in The Lower Tarim River By Remote Sensing.

| Sommario/riassunto | This book presents high-quality research in the field of 3D imaging technology. The second edition of International Conference on 3D Imaging Technology (3DDIT-MSP&DL) continues the good traditions already established by the first 3DIT conference (IC3DIT2019) 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 2 volumes. The main topics of the papers comprise famous trends 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. |