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Titolo	Image and Graphics Technologies and Applications : 17th Chinese Conference, IGTA 2022, Beijing, China, April 23–24, 2022, Revised Selected Papers // edited by Yongtian Wang, Huimin Ma, Yuxin Peng, Yue Liu, Ran He
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Descrizione fisica	1 online resource (347 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1611
Disciplina	006.66
Soggetti	Computer vision Computer engineering Computer networks Artificial intelligence Pattern recognition systems Social sciences - Data processing Computer Vision Computer Engineering and Networks Artificial Intelligence Automated Pattern Recognition Computer Application in Social and Behavioral Sciences Processament digital d'imatges Infografia Visió per ordinador Congressos Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Image processing and enhancement techniques -- Multi-Resolution Parallel Aggregation Network for Single Image Deraining -- Multi-scale Bézier filter based infrared and visual image fusion -- Towards Neural Video Compression: A Rate Distortion Modeling Perspective -- A Fast

Line and Ellipse Detection on High Resolution Images -- Quality Assurance and Verification of GFDM Satellite Imagery -- Machine vision and 3D reconstruction -- BSIHKS of 3D point cloud model and model matching: bi-temporal scaling invariant heat kernel signature -- A review of solutions to stereo correspondence challenges -- Low Overlapping Plant Point Cloud Registration and Splicing Method Based on FPFH -- Integration of Depth Normal Consistency and Depth Map Refinement for MVS Reconstruction -- Image/Video big data analysis and understanding -- Adaptive Registration for Multi-type Remote Sensing Images via Dynamic Feature Selection -- Deform-CAM: Self-Attention Based on Deformable Convolution for Weakly Supervised Semantic Segmentation -- Density-NMS: Cell Detection and Classification in Microscopy images -- Face Detection in Distorted Images Based on Image Restoration and Meta-learning -- Person Re-identification using Multi-branch Cooperative Network -- Cross-domain object detection through Image-Category features joint alignment -- Detection of abnormal crowd behavior based on ViBE and Optical flow methods -- Generating Lymphoma ultrasound image description with Transformer model -- Computer graphics -- Accelerated Photon Mapping for Homogeneous Participating Media Based on Octree -- Visualization and visual analysis -- A Survey of Literature Analysis Methods based on Representation Learning -- Applications of image and graphics -- A MobileNet SSDLite Model with Improved FPN for Forest Fire Detection -- Applications of Photogrammetry and Remote Sensing Technologies in Tianwen-1 Mission -- MRI Brain Tumor Classification Based on EfficientNet with Non-rigid Transformations -- Design and Implementation of a Digital Star Map Simulation Module -- Design and Implementation of The Search System Based on The Airborne Multi-mode Imaging Cloud Platform -- Method for Imaging Quality Evaluation of Onboard Camera of Image-guided Projectile -- Stroke Based Painting with 3D Perception.

Sommario/riassunto

This book constitutes the refereed proceedings of the 17th Chinese Conference on Image and Graphics Technologies and Applications, IGTA 2022, held in Beijing, China, during April 23–24, 2022. The 25 full papers included in this book were carefully reviewed and selected from 77 submissions. They were organized in topical sections as follows: image processing and enhancement techniques; machine vision and 3D reconstruction; image/Video big data analysis and understanding; computer graphics; visualization and visual analysis; applications of image and graphics.
