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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 11994
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Soggetti	Optical data processing Computer communication systems Artificial intelligence Computers Pattern recognition Application software Image Processing and Computer Vision Computer Communication Networks Artificial Intelligence Information Systems and Communication Service Pattern Recognition Computer Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Rain Streak Removal with Well-Recovered Moving Objects From Video Sequences Using Photometric Correlation -- Face Analysis: State of the Art and Ethical Challenges -- Location Analysis Based Waiting Time Optimization -- In-Orbit Geometric Calibration of Firebird's Infrared Line Cameras -- Evaluation of Structures and Methods for Resolution Determination of Remote Sensing Sensors -- 3D Image Reconstruction

from Multi-focus Microscopic Images -- Block-Wise Authentication and Recovery Scheme for Medical Images Focusing on Content Complexity -- GAN-based Method for Synthesizing Multi-Focus Cell Images -- Improving Image-Based Localization with Deep Learning: The Impact of the Loss Function -- Face-based Age and Gender Classification using Deep Learning Model -- SO-Net: Joint Semantic Segmentation and Obstacle Detection using Deep Fusion of Monocular Camera and Radar -- Deep Forest Approach for Facial Expression Recognition -- Weed Density Estimation Using Semantic Segmentation -- Detecting Global Exam Events in Invigilation Videos using 3D CNN -- Spatial Hierarchical Analysis Deep Neural Network for RGBD Object Recognition -- Reading Digital Video Clocks by Two Phases of Connected Deep Networks.

Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of four international workshops held in the framework of the 9th Pacific-Rim Symposium on Image and Video Technology, PSIVT 2019, in Sydney, NSW, Australia, in November 2019: Vision-Tech: Workshop on Challenges, Technology, and Solutions in the Areas of Computer Vision; Workshop on Passive and Active ElectroOptical Sensors for Aerial and Space Imaging; Workshop on Deep Learning and Image Processing Techniques for Medical Images; and Workshop on Deep Learning for Video and Image Analysis. The 16 revised full papers presented were carefully selected from 26 submissions. The papers cover the full range of state-of-the-art research in image and video technology with topics ranging from well-established areas to novel current trends.
