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| Edizione                | [1st ed. 2020.]  |
| Descrizione fisica      | 1 online resource (XII, 206 pages 106 illustrations., 90 illustrations in colour)  |
| Collana                 | Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 11994   |
| Disciplina              | 621.367<br>006.6   |
| Soggetti                | Optical data processing<br>Computer communication systems<br>Artificial intelligence<br>Computers<br>Pattern recognition<br>Application software<br>Image Processing and Computer Vision<br>Computer Communication Networks<br>Artificial Intelligence<br>Information Systems and Communication Service<br>Pattern Recognition<br>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.

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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.

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