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Titolo	Pattern Recognition and Information Forensics : ICPR 2018 International Workshops, CVAUI, IWCF, and MIPPSNA, Beijing, China, August 20-24, 2018, Revised Selected Papers / / edited by Zhaoxiang Zhang, David Suter, Yingli Tian, Alexandra Branzan Albu, Nicolas Sidère, Hugo Jair Escalante
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Descrizione fisica	1 online resource (XXIV, 179 p. 87 illus., 67 illus. in color.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics, , 3004-9954 ; ; 11188
Disciplina	006.4
Soggetti	Computer vision Pattern recognition systems Computer graphics Computer Vision Automated Pattern Recognition Computer Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Deep Active Learning for In Situ Plankton Classification -- Marine Snow Removal Using a Fully Convolutional 3D Neural Network Combined with an Adaptive Median Filter -- Strategies for Tackling the Class Imbalance Problem in Marine Image Classification -- An Online Platform for Underwater Image Quality Evaluation -- Tracking Sponge Size and Behaviour with Fixed Underwater Observatories -- Enhancement of Low-Lighting Underwater Images Using Dark Channel Prior and Fast Guided Filters -- Single Image Plankton 3D Reconstruction from Extended Depth of Field Shadowgraph -- A Novel Method for Race Determination of Human Skulls -- Anchored Kernel Hashing for Cancelable Template Protection for Cross-Spectrum Periocular Data -- Categorization of Document Image Tampering Techniques and How to Identify them -- Overview of the Multimedia Information Processing for Personality and Social Networks Analysis

Contest -- Handwritten Texts for Personality Identification Using Convolutional Neural Networks.-Recognition of Apparent Personality Traits from Text and Handwritten Images -- Multimodal Database of Emotional Speech, Video and Gestures -- From Text to Speech: A Multimodal Cross-Domain Approach for Deception Detection.

Sommario/riassunto

This book constitutes the refereed post-conference proceedings of 3 workshops, held at the 24th International Conference on Pattern Recognition, Beijing, China, in August 2018: the Third International Workshop on Computer Vision for Analysis of Underwater Imagery, CVAUI 2018, the 7th International Workshop on Computational Forensics, IWCF 2018, and the International Workshop on Multimedia Information Processing for Personality and Social Networks Analysis, MIPPSNA 2018. The 16 full papers presented in this book were carefully reviewed and selected from 23 submissions. CVAUI Workshop: The analysis of underwater imagery imposes a series of unique challenges, which need to be tackled by the computer vision community in collaboration with biologists and ocean scientists. IWCF Workshop: With the advent of high-end technology, fraudulent efforts are on rise in many areas of our daily life, may it be fake paper documents, forgery in the digital domain or copyright infringement. In solving the related criminal cases use of pattern recognition (PR) principles is also gaining an important place because of their ability in successfully assisting the forensic experts to solve many of such cases. MIPPSNA Workshop: Its goal is to compile the latest research advances on the analysis of multimodal information for facing problems that are not visually obvious, this is, problems for which the sole visual analysis is insufficient to provide a satisfactory solution.