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| Soggetti | Lasers Signal processing Computer vision Geographic information systems Laser Signal, Speech and Image Processing Computer Vision Geographical Information System |
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| Note generali | Includes index. |
| Nota di contenuto | Chapter1: Fuzzy Rough Clustering Analysis Algorithm Based On Attribute Reduction -- Chapter2: Electrical resistance tomography based on internal electrode excitation -- Chapter3: Approximated scale space for efficient and accurate SIFT key-point detection -- Chapter4: The Application of Image Processing in UAV Reconnaissance Information Mining System -- Chapter5: An Object Detection Algorithm for UAV Reconnaissance Image Based on Deep Convolution Network -- Chapter6: Visualisation of Horizontal Settling Slurry Flow with Using Electrical Resistance Tomography -- Chapter7: CSAR Moving Target Detection with Logarithm Background Subtraction based on Optimal Azimuth Aperture Analysis -- Chapter8: Ship Detection Using X-Bragg Scattering Model Based on Compact Polarimetric SAR -- Chapter9: Analysis of Sea Clutter Distribution and Evaluation Ship Detection Performance for Sentinel-1 SAR Data -- Chapter10: Reflectance and |

Surface Normals from Single Hyperspectral Image -- Chapter11:
Characteristics Extraction of Behavior of Multi-players in Video Football Game -- Chapter12: A differential resonant edge detection sensor -- Chapter13: Microwave and Millimeter Wave Sensors for Nondestructive Testing and Evaluation -- Chapter14: A Discussion on the Algorithm Design of Electrical Impedance Tomography for Biomedical Applications -- Chapter15: Signal processing for diffuse correlation spectroscopy with support vector regression -- Chapter16: Intensity Inhomogeneity Image Segmentation Based on Active Contours Driven by Self-Similarity -- Chapter17: Application of a temperature measurement system based on CCD sensor in blast furnace tuyere raceway.

Sommario/riassunto

This book proceedings collects a number of papers presented at the International Conference on Sensing and Imaging, which was held at Guangxi University of Science and Technology from October 15-18, 2018. Sensing and imaging is an interdisciplinary field covering a variety of sciences and techniques such as optics, electricity, magnetism, heat, sound, and computing technologies. The field has diverse applications of interest such as image processing techniques. The results in the book bridge the gap between theory and applications, translating techniques into better products. The text will appeal to students, professionals and researchers alike.
