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<b>Nota di contenuto</b>	CBCNet: A Deep Learning Approach to Urban Images Classification in Urban Computing -- Building Label-Balanced Emotion Corpus Based on Active Learning for Text Emotion Classification -- Arbitrary Perspective Crowd Counting via Local to Global Algorithm -- A Semi-supervised Learning Method for Automatic Nuclei Segmentation Using Generative Adversarial Networks -- Research on Image Encryption based on Wavelet Transform Integrating with 2D Logistic -- High level Video Event Modeling, Recognition and Reasoning via Petri Net -- Question Generalization in Conversation -- Optimal Scheduling of IoT Tasks in Cloud-Fog Computing Networks -- Context-aware based Discriminative Siamese Neural Network for Face Verification -- Object-level Matching for Multi-source Image using Improved Dictionary Learning Algorithm -- Classification of Hyperspectral image based on Shadow Enhancement by Dynamic Stochastic Resonance -- Generative Image Inpainting -- Rice Growth Prediction Based on Periodic Growth -- A Multi-scaleProgressive Method of Image Super-resolution -- Track related Bursty topics in Weibo -- Terrain classification algorithm for Lunar Rover based on visual convolutional neural network -- An

Sommario/riassunto

This book provides insights into research in the field of artificial intelligence in combination with robotics technologies. The integration of artificial intelligence and robotic technologies is a highly topical area for researchers and developers from academia and industry around the globe, and it is likely that artificial intelligence will become the main approach for the next generation of robotics research. The tremendous number of artificial intelligence algorithms and big data solutions has significantly extended the range of potential applications for robotic technologies, and has also brought new challenges for the artificial intelligence community. Sharing recent advances in the field, the book features papers by young researchers presented at the 4th International Symposium on Artificial Intelligence and Robotics 2019 (ISAIR2019), held in Daegu, Korea, on August 20–24, 2019. .