

Contents

Computer Vision for Ocean Observing	1
Huimin Lu, Yujie Li and Seiichi Serikawa	
Fault Diagnosis and Classification of Mine Motor Based on RS and SVM	17
Xianmin Ma, Xing Zhang and Zhanshe Yang	
Particle Swarm Optimization Based Image Enhancement of Visual Cryptography Shares	31
M. Mary Shanthi Rani and G. Germinie Mary	
Fast Level Set Algorithm for Extraction and Evaluation of Weld Defects in Radiographic Images	51
Yamina Boutiche	
Efficient Combination of Color, Texture and Shape Descriptor, Using SLIC Segmentation for Image Retrieval	69
N. Chifa, A. Badri, Y. Ruichek, A. Sahel and K. Safi	
DEPO: Detecting Events of Public Opinion in Microblog	81
Guozhong Dong, Wu Yang and Wei Wang	
Hybrid Cuckoo Search Based Evolutionary Vector Quantization for Image Compression	89
Karri Chiranjeevi, Umaranjan Jena and P.M.K. Prasad	
Edge and Fuzzy Transform Based Image Compression Algorithm: edgeFuzzy	115
Deepak Gambhir and Navin Rajpal	
Real-Time Implementation of Human Action Recognition System Based on Motion Analysis	143
Kamal Sehairi, Cherrad Benbouchama, El Houari Kobzili and Fatima Chouireb	

Cross-Modal Learning with Images, Texts and Their Semantics 165
Xing Xu

Light Field Vision for Artificial Intelligence 189
Yichao Xu and Miu-ling Lam

Author Index. 211

Artificial Intelligence and Computer Vision

Lu, H.; Li, Y. (Eds.)

2017, X, 211 p. 107 illus., 82 illus. in color., Hardcover

ISBN: 978-3-319-46244-8