

IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY

A PUBLICATION OF THE IEEE CIRCUITS AND SYSTEMS SOCIETY



WWW.IEEE-CAS.ORG

FEBRUARY 2016

VOLUME 26

NUMBER 2

ITCTEM

(ISSN 1051-8215)

Introduction of New Associate Editors	253
PAPERS	
Image/Video Processing	
A Video Super-Resolution Framework Using SCoBeP	<i>N. Barzigar, A. Roozgard, P. Verma, and S. Cheng</i> 264
Efficient Background Modeling Based on Sparse Representation and Outlier Iterative Removal	<i>L. Li, P. Wang, Q. Hu, and S. Cai</i> 278
A Tool for Stereoscopic Parameter Setting Based on Geometric Perceived Depth Percentage	<i>S.-H. Guan, Y.-C. Lai, K.-W. Chen, H.-T. Chou, and Y.-Y. Chuang</i> 290
Image/Video Analysis and Computer Vision	
Collaborative Tracking for Multiple Objects in the Presence of Inter-Occlusions	<i>J. Xiao and M. Oussalah</i> 304
Severely Blurred Object Tracking by Learning Deep Image Representations	<i>J. Ding, Y. Huang, W. Liu, and K. Huang</i> 319
Image/Video Compression	
Reduced Complexity Superresolution for Low-Bitrate Video Compression	<i>G. Georgis, G. Lentaris, and D. Reisis</i> 332
A Scalable Massively Parallel Motion and Disparity Estimation Scheme for Multiview Video Coding	<i>C. Jiang and S. Nooshabadi</i> 346
Multiview Plus Depth Video Coding With Temporal Prediction View Synthesis	<i>A. I. Purica, E. G. Mora, B. Pesquet-Popescu, M. Cagnazzo, and B. Ionescu</i> 360
Image/Video Storage	
Making Residual Vector Distribution Uniform for Distinctive Image Representation	<i>Z. Liu, H. Li, W. Zhou, T. Rui, and Q. Tian</i> 375
Image/Video Hardware/Software Systems	
Video-Rate Stereo Matching Using Markov Random Field TRW-S Inference on a Hybrid CPU+FPGA Computing Platform	<i>J. Choi and R. A. Rutenbar</i> 385
Memory Access Scheduling for a Smart TV	<i>C.-H. Hahm, S. Lee, T. Lee, and S. Yoo</i> 399
Image/Video Applications	
Monitoring Thermal Stress in Wafer-Scale Integrated Circuits by the Attentive Vision Method Using an Infrared Camera	<i>A. Lakhssassi, R. Palenychka, Y. Savaria, M. Saydé, and M. Zarembo</i> 412
