Table of Contents

International Journal of Computer Vision and Image Processing

Volume 7 • Issue 3 • July-September-2017 • ISSN: 2155-6997 • eISSN: 2155-6989

An official publication of the Information Resources Management Association

Research Articles

1 A Growing Neural Gas Approach to Classify Vehicles in Traffic Environments

Miguel A. Molina-Cabello, Department of Computer Languages and Computer Science. University of Málaga, Málaga. Spain

Rafael Marcos Luque-Baena, Department of Computer Languages and Computer Science. University of Málaga, Málaga. Spain

Ezequiel López-Rubio, Department of Computer Languages and Computer Science. University of Málaga, Málaga. Spain

Juan Miguel Ortiz-de-Lazcano-Lobato, Department of Computer Languages and Computer Science. University of Málaga, Málaga. Spain

Enrique Domínguez, Department of Computer Languages and Computer Science. University of Málaga, Málaga. Spain

13 Growing Neural Forest-Based Color Quantization Applied to RGB Images

Jesús Benito-Picazo, Department of Computer Languages and Computer Science, University of Málaga, Málaga, Spain

Ezequiel López-Rubio, Department of Computer Languages and Computer Science, University of Málaga, Málaga, Spain

Enrique Domínguez, Department of Computer Languages and Computer Science, University of Málaga, Málaga, Spain

26 An Iterative Method for 3D Body Registration Using a Single RGB-D Sensor

Victor Villena-Martinez, Department of Computer Technology, University of Alicante, Alicante, Spain Andres Fuster-Guillo, Department of Computer Technology, University of Alicante, Alicante, Spain Marcelo Saval-Calvo, Department of Computer Technology, University of Alicante, Alicante, Spain Jorge Azorin-Lopez, Department of Computer Technology, University of Alicante, Alicante, Spain

40 A Compilation of Methods and Datasets for Group and Crowd Action Recognition

Luis Felipe Borja, Universidad Central del Ecuador, Quito, Ecuador Jorge Azorin-Lopez, Department of Computer Technology, University of Alicante, Alicante, Spain Marcelo Saval-Calvo, Department of Computer Technology, University of Alicante, Alicante, Spain

54 A Review of Infrastructures to Process Big Multimedia Data

Jaime Salvador, Universidad Central del Ecuador, Quito, Ecuador Zoila Ruiz, Universidad Central del Ecuador, Quito, Ecuador Jose Garcia-Rodriguez, University of Alicante, Alicante, Spain

65 Automatic Learning Improves Human-Robot Interaction in Productive Environments: A Review

Mauricio Andres Zamora Hernandez, University of Costa Rica, San Pedro de Montes de Oca, Costa Rica Eldon Caldwell Marin, University of Costa Rica, San Pedro de Montes de Oca, Costa Rica Jose Garcia-Rodriguez, University of Alicante, Alicante, Spain Jorge Azorin-Lopez, University of Alicante, Alicante, Spain Miguel Cazorla, University of Alicante, Alicante, Spain

COPYRIGHT

The International Journal of Computer Vision and Image Processing (IJCVIP) (ISSN 2155-6997; eISSN 2155-6989), Copyright © 2017 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of Computer Vision and Image Processing is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; ProQuest Advanced Technologies & Aerospace Journals; ProQuest Computer Science Journals; ProQuest Illustrata: Technology; ProQuest SciTech Journals; ProQuest Technology Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory