# **Table of Contents**

# International Journal of Software Science and Computational Intelligence

Volume 10 • Issue 4 • October-December-2018 • ISSN: 1942-9045 • eISSN: 1942-9037 An official publication of the Information Resources Management Association

#### **Research Articles**

## 1 Saliency Priority of Individual Bottom-Up Attributes in Designing Visual Attention Models

Jila Hosseinkhani, Carleton University, Ottawa, Canada Chris Joslin, Carleton University, Ottawa, Canada

#### 19 Preventing Model Overfitting and Underfitting in Convolutional Neural Networks

Andrei Dmitri Gavrilov, University of British Columbia, Calgary, Canada Alex Jordache, University of British Columbia, Calgary, Canada Maya Vasdani, University of British Columbia, Calgary, Canada Jack Deng, University of British Columbia, Calgary, Canada

### 29 Cooperative Encoding Strategy for Gate Array Placement

Hong-Bo Wang, Sch. of Comp. and Commu. Engineering, University of Science and Technology, Beijing, China Qing-Dong Su, Sch. of Comp. and Commu. Engineering, University of Science and Technology, Beijing, China Ruolei Zeng, Department of Computer Science, University of Wisconsin-Madison, Madison, USA

# 44 Effect of Power and Phase Synchronization in Multi-Trial Speech Imagery

Sandhya Chengaiyan, Centre for Healthcare Technologies, Department of Biomedical Engineering, SSN College of Engineering, Chennai, India

Divya Balathayil, Centre for Healthcare Technologies, Department of Biomedical Engineering, SSN College of Engineering, Chennai, India

Kavitha Anandan, Centre for Healthcare Technologies, Department of Biomedical Engineering, SSN College of Engineering, Chennai, India

Christy Bobby Thomas, Department of Electronics and Communication Engineering, M.S.Ramaiah University of Applied Sciences, Bangalore, India

#### **COPYRIGHT**

The International Journal of Software Science and Computational Intelligence (IJSSCI) (ISSN 1942-9045; cISSN 1942-9037), Copyright © 2018 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 Software Science and Computational Intelligence is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; GetCited; Google Scholar; INSPEC; JournalTOCs; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory