

Table of Contents

International Journal of Ambient Computing and Intelligence

Volume 10 • Issue 3 • July-September-2019 • ISSN: 1941-6237 • eISSN: 1941-6245

An official publication of the Information Resources Management Association

Research Articles

- 1 **A Small and Portable Foot Motion Recognition Device Used in VR Environment**
Huayue Wu, Chang'an University, Xi'an, China
Xiangmo Zhao, Chang'an University, Xi'an, China
- 17 **Web Text Categorization Based on Statistical Merging Algorithm in Big Data Environment**
Rujuan Wang, College of Humanities & Sciences of Northeast Normal University, Changchun, China
Gang Wang, Northeast Normal University, Changchun, China
- 33 **Clustering of Web Application and Testing of Asynchronous Communication**
Sonali Pradhan, SOA University, Bhubaneswar, India
Mitrabinda Ray, Siksha O Anusandhan Deemed to be University, Bhubaneswa, India
Srikanta Patnaik, Siksha 'O' Anusandhan University, Bhubaneswa, India
- 60 **Convolutional Neural Network Based American Sign Language Static Hand Gesture Recognition**
Ravinder Ahuja, Jaypee Institute of Information Technology Noida, Hansi, India
Daksh Jain, Jaypee Institute of Information Technology Noida, Delhi, India
Deepanshu Sachdeva, Jaypee Institute of Information Technology Noida, Delhi, India
Archit Garg, Jaypee Institute of Information Technology Noida, Ghaziabad, India
Chirag Rajput, Jaypee Institute of Information Technology Noida, New Delhi, India
- 74 **Context-Aware Service Modeling and Conflicts Discovery Based on Petri Net**
Tao Lu, Institute of system engineering, Dalian University of Technology, Dalian, China
Dan Zhao, Institute of system engineering, Dalian University of Technology, Dalian, China
- 92 **Adam Deep Learning With SOM for Human Sentiment Classification**
Md. Nawab Yousuf Ali, East West University, Dhaka, Bangladesh
Md. Golam Sarowar, East West University, Dhaka, Bangladesh
Md. Lizur Rahman, East West University, Dhaka, Bangladesh
Jyotismita Chaki, Vellore Institute of Technology, Vellore, India
Nilanjan Dey, Techno India College of Technology, Kolkata, India
João Manuel R.S. Tavares, Instituto de Ciência e Inovação em Engenharia Mecânica e Engenharia Industrial,
Departamento de Engenharia Mecânica, Faculdade de Engenharia, Universidade do Porto, Porto, Portugal

COPYRIGHT

The **International Journal of Ambient Computing and Intelligence (IJACI)** (ISSN 1941-6237; eISSN 1941-6245), Copyright © 2019 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 Ambient Computing and Intelligence* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); DBLP; GetCited; Google Scholar; INSPEC; JournalTOCs; MediaFinder; SCOPUS; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)