## **Contents**

Journal of Computers

## **Volume 13, Number 2, February 2018**

A Rule-Based Approach for Converting Wikipedia Content into Semantic Relations	139
Nihal Yağmur Aydın, Tunga Güngör	
<b>Bio-inspired Obstacle Avoidance: From Animals to Intelligent Agents</b>	146
Ruben Nuredini, Bekim Fetaji, Ivan Chorbev	140
How Human Inspired Learning Enhances the Behavior of Autonomous Agents	154
Martin Fittner, Christian Brandstaetter	
Reactive Vision-Based Navigation Controller for Autonomous Mobile Agents	161
Ruben Nuredini	
Multi-agent Approach to the Two-Second Driving Rule	168
Diego Uribe, Enrique Cuan	100
A Referral-Based QoS Prediction Approach for Service-Based Systems Feng-Jian Wang, Yen-Hao Chiu, Chia-Ching Wang, Kuo-Chan Huang	176
<b>Enabling Smart Navigation by Incorporating Human Inspired Evaluation of Route Sections</b>	187
Christian Brandstaetter, Martin Fittner	
Design of a Secure Mutually Authenticated Key-Agreement Protocol for Multi-server Architecture	194
Alavalapati Goutham Reddy, Eun-Jun Yoon, Young-Ju Kim, Kee-Young Yoo	

Effective Routing Algorithm and Topology on Power Consumption in Networks on Chip Mehdi Taassori, Sener Uysa	204
Usman Zafar, Moshiur Bhuiyan, P. W. C. Prasad1, Farzana Haque	
VRA-AODV: Routing Protocol Detects Blackhole and Grayhole Attacks in Mobile Ad hoc Network	222
Thanh-Tu Vo, Thai-Ngoc Luong	
Weak Consistency Model in Distributed Systems Using Hierarchical	236
Colored Petri Net	
Mortaza Abbaszadeh, Saeed Saeedvand	