# Contents

Journal of Software

Volume 11, Number 4, April 2016

A Dynamically Quantum Particle Swarm Optimization Algorithm with Adaptive Mutation **338**

Chenyang Gao, Ning Chen, Yuelin Gao, Jiajiang Zhang

Model Based Testing for Web Applications: A Literature Survey Presented **347**

Hasan Javed, Nasir Mehmood Minhas, Ansar Abbas, Farhad Muhammad Riaz

Bio-Inspired Intelligent System for Software Quality Certification **362**

Saad Mohamed Darwish

BFilter: Efficient XML Message Filtering and Matching in Publish/Subscribe Systems **376**

Liang Dai, Chung-Horng Lung, Shikharesh Majumdar

Characterization of the Application of Service-Oriented Design Principles in Practice: A Systematic Literature Review **403**

Michel S. Soares, Joyce M. S. Fran ça

Polynomial Neural Networks versus Other Arabic Text Classifiers **418**

Mayy M. Al-Tahrawi

Service Integration Engineering: A Paradigm Shift in Software Engineering **431**

Farzad Sanati