

# INTERNATIONAL JOURNAL OF APPLIED METAHEURISTIC COMPUTING

January-March 2012, Vol. 3, No. 1

## Table of Contents

### RESEARCH ARTICLES

#### 1 Probabilistic Harmony Search

*Mahamed G. H. Omran, Gulf University for Science and Technology, Kuwait*

*Ayed Salman, Kuwait University, Kuwait*

*Salah al-Sharhan, Gulf University for Science and Technology, Kuwait*

*Fadi Deeb, Gulf University for Science and Technology, Kuwait*

#### 15 Generating Test Case for Object-Oriented Software Using Genetic Algorithm and Mutation Testing Method

*Yamina Mohamed Ben Ali, University of Badji Mokhtar, Algeria*

*Fatma Benmaiza, University of Badji Mokhtar, Algeria*

#### 24 A Generalized Graph Strict Strong Coloring Algorithm

*Mourad Bouzenada, MISC Laboratory, University Mentouri Constantine, Algeria*

*Meriem Bensouyad, MISC Laboratory, University Mentouri Constantine, Algeria*

*Nousseiba Guidoum, MISC Laboratory, University Mentouri Constantine, Algeria*

*Ahmed Reghioua, MISC Laboratory, University Mentouri Constantine, Algeria*

*Djamel-eddine Saïdouni, MISC Laboratory, University Mentouri Constantine, Algeria*

#### 34 Reinforcement Learning for Improving Gene Identification Accuracy by Combination of Gene-Finding Programs

*Peng-Yeng Yin, National Chi Nan University, Taiwan*

*Shyong Jian Shyu, Ming Chuan University, Taiwan*

*Shih-Ren Yang, Ming Chuan University, Taiwan*

*Yu-Chung Chang, Ming Chuan University, Taiwan*

#### 48 Scheduling Cellular Manufacturing Systems Using ACO and GA

*Mohammad T. Taghavifard, Allameh Tabataba'i University, Iran*