International Journal of Advanced Pervasive and Ubiquitous Computing

April-June 2012, Vol. 4, No. 2

Table of Contents

RESEARCH ARTICLES

1 A Secure Mobile Wallet Framework with Formal Verification

Shaik Shakeel Ahamad, Department of Computer and Information Sciences, University of Hyderabad, Hyderabad, India & Institute for Development and Research in Banking Technology, Castle Hills, Masab Tank, Hyderabad, India

V. N. Sastry, Institute for Development and Research in Banking Technology, Castle Hills, Masab Tank, Hyderabad, India

Siba K. Udgata, Department of Computer and Information Sciences, University of Hyderabad, Hyderabad, India

16 Modelling and Performance Studies of ATM Networks Over Email & FTP

Nurul I. Sarkar, Auckland University of Technology, New Zealand Kashif Nisar, Auckland University of Technology, New Zealand, & Universiti Utara Malaysia, Malaysia

26 On a Genetic-Tabu Search Based Algorithm for Two-Dimensional Guillotine Cutting Problems

Hamza Gharsellaoui, INSAT Institute, University of Carthago, Tunisia Hamadi Hasni, ENSI School, University of Manouba, Tunisia

41 The Hardware Solution of a New Image Processing Algorithm

Yanwu Gao, Xing Tai University, China Bin Zhang, Xing Tai University, China Lili Gan, Xing Tai University, China Bingchen Zhao, Xing Tai University, China

48 Rough Set Theory Based User Aware TV Program and Settings Recommender

Thyagaraju G.S., Sri Dharmasthala Manjunatheshwara College of Engineering and Technology Research Centre, Visveswaraiah Technological University, India U.P. Kulkarni, Sri Dharmasthala Manjunatheshwara College of Engineering and Technology Research Centre, Visveswaraiah Technological University, India

65 New Optimal Preemptively Scheduling for Real-Time Reconfigurable Sporadic Tasks Based on Earliest Deadline First Algorithm

Hamza Gharsellaoui, INSAT Institute & University of Carthage, Tunisia Mohamed Khalgui, INSAT Institute, Tunisia, ITIA Institute - CNR Research Council, Italy, & Xidjian University, China

Samir Ben Ahmed, INSAT Institute & University of Tunis El Manar, Tunisia