

Contents

Preface

Invited Article

1. Kurihara Green ICT Project -- Towards Symbiosis between Human's Life and Nature.....	1
<i>Norio Shiratori, Kazuo Hashimoto, Debasish Chakraborty, Hideyuki Takahashi, Takuo Suganuma, Naoki Nakamura, Atushi Takeda</i>	

Regular Section

1. Validation for the Diversity of Usage in M-Commerce among Countries by ICOMP.....	13
<i>Jan-Mou Li, Shang-Hsing Hsieh, Tzong-Ru (Jiun-Shen) Lee</i>	
2. TLAEEP: A Traffic Load-Aware Energy Efficient Protocol for Wireless Sensor Networks.....	25
<i>I-Hui Li, I-En Liao, Feng-Nien Wu</i>	
3. Mobile Anchor-Assisted Localization for Mobile Sensor Networks.....	37
<i>Chia-Ho Ou</i>	

Special Issue -- GPC2010

1. Diagnosis from Bayesian Networks with Fuzzy Parameters -- A Case in Supply Chains	49
<i>Han-Ying Kao, Chia-Hui Huang, Chu-Ling Hsu, Chiao-Ling Huang</i>	
2. Research on Common-Cause Failures of Web Service Composition.....	57
<i>Bo Zhou, Keting Yin, Shuai Zhang, Honghong Jiang, Aleksander J. Kavs</i>	
3. Joint Rate Control and Power Control for Lifetime Maximization in Wireless Sensor Networks.....	69
<i>Xiaoyan Yin, Xingshe Zhou, Zhigang Li, Shining Li</i>	
4. Multi-dimensional Resilient Statistical En-Route Filtering in Wireless Sensor Networks	79
<i>Feng Yang, Xuehai Zhou, Qiyuan Zhang</i>	
5. Pareto Front Based Realistic Soft Real-Time Task Scheduling with Multi-objective Genetic Algorithm on Arbitrary Heterogeneous Multiprocessor System.....	85
<i>Nafiseh Sedaghat, Hamid Tabatabaee-Yazdi, Mohammad-R. Akbarzadeh-T</i>	
6. A Complex Event Processing Method Based on Pre-grouping for Radio Frequency Identification Data Streams	95
<i>Chia-Ming Wu, Ruay-Shiung Chang, Chang-Chih Chen</i>	

Special Issue -- Internet and Web Computing (I-SPAN 2009)

1. Coordinated Checkpointing Algorithms for Mobile Agent Environments.....	103
<i>Cheng-Min Lin, Jin-Yu Bai</i>	
2. FR: A Novel Strategy to Improve Item-Oriented Collaborative Filtering	117
<i>Xin Luo, Yuanxin Ouyang, Zhang Xiong</i>	
3. A Novel Design of Data-Driven Architecture for Remote Monitoring and Remote Control of Sensors over a Wireless Sensor Network and the Internet.....	129
<i>Yuan-Jen Chang, Wen-Tzeng Huang</i>	
4. Knowledge Management System for Social Network Services	139
<i>Li-Der Chou, Yao-Jen Chang, Jyun-Yan Yang, Wen-Shien Peng</i>	
5. Towards a Semantic Based Workflow Model for Composition of OWL-S Based Atomic Processes.....	153
<i>Duygu Çelik, Atilla Elçi</i>	
6. Next-Stop Recommendation to Travelers According to Their Sequential Wandering Behaviors.....	171
<i>Dirksen Liu, Maiga Chang</i>	