JOURNAL OF COMPUTERS

ISSN:1991-1599 Volume 18 Number 2 July 2007

Special Issue on Mobile Computing and Security

CONTENTS

FOREWORD	1
Ren-Junn Hwang	
How can wireless users identify themselves with the security issues?	3
the integrated vulnerability management system	
Yeu-Pong Lai, Shih-I Chou, and Guang-Yuh Su	
A Scalable ID-Based Pairwise Key Establishment Protocol for	13
Wireless Sensor Networks	
Huan-Chung Lin and Yuh-Min Tseng	
New Efficient Password Authenticated Key Exchange Protocol for	25
Imbalanced Wireless Networks	
Chien-Lung Hsu, Wen-Te Lin, and Yen-Chun Chou	
Mutually Identity Authentications in GSM-based Anonymous	33
Communications	
Shiuh-Jeng Wang, Yuh-Ren Tsai, Lei-Sheng Chou and I-Shan Lin	
The Design of a Novel E-cash System with the Fairness Property and	47
Its Implementation in Wireless Communications	
Chih-Hung Wang and Wei-Ming Chiang	
Light-Weight Authentication and Key Exchange Protocols with	61
Forward Secrecy for Digital Home	
Chun-I Fan, Tsung-Pin Chiang, and Ruei-Hau Hsu	
A New Routing Static Information Protection Protocol on Ad Hoc Network	75
Wen-Chung Kuo, Jing-Hung Chen and Chi-Sung Laih	
REGULAR SECTION:	
Visualizing Phylogenetic Trees by Spring-Embedder Models	87
Yaw-Ling Lin and Po-Shun Yu	
Using WLAN/3G Dual-mode Terminals and an Algorithm to Enhance The Performance of Dual-mode Mobile Communication Service	97
Ching-Wen Cheng and Chyan Goei Chung	
The Discovery of Action Groups for Smart Home	107
Hsien-Chou Liao, Bo-Yu Lai, and Sheng-Che Hsiao	