Table of Contents

Research and Implementation of a Decoder of 1-Wire Bus Yunping Wu, Weida Su, Conghui Chen, Yu Lu, Wangbiao Li, Yan Wu, Lei Tang, and Shenzheng Cai	1
Design of the Energy and Distance Based Clustering Protocol in Wireless Sensor Network	8
The Design of NTCIP C2F Model System for ITS	16
Scheduling Algorithm for Vehicle to Road-Side Data Distribution Mohammad Shahverdy, Mahmood Fathy, and Saleh Yousefi	22
Fast Algorithm of Single Scale Correlative Processing and Its Experimental Research	31
A Design Method of Constant Beamwidth Beam-Former	38
Network Service Incentive Mechanism Based on Competitive Game Zhide Chen, Jinhua Zheng, and Li Xu	46
An Efficient Computation Saving Mechanism for High-Performance Large-Scale Watershed Simulation	54
The Applications of Mobile Payment	62
The Challenges and Strategies of Commercial Bank in Developing E-banking Business	68
Easy Domain Processing over Heterogeneous Databases: A Unified Programming Paradigm	75
A High Performance Computing Platform Based on a Fibre-Channel Token-Routing Switch-Network	83



X Table of Contents

XML Application for SNMP_based Information Management	88
A Method of Synthetic Scheduling Basing on the Grid Service Hongwei Zhao and Xiaojun Zhang	95
A Data Hiding Method for Text Documents Using Multiple-Base Encoding	101
Author Index	111