

## TABLE OF CONTENTS

**Volume 5 Special Issue**

**September 2012**

### **Unified Mogramming with Var-Oriented Modeling and Exertion-Oriented Programming Languages**

M. Sobolewski, R. Kolonay.....579

### **Network Intrusion Detection and Visualization Using Aggregations in a Cyber Security Data Warehouse**

B. D. Czejdo, E. M. Ferragut, J. R. Goodall, J. Laska.....593

### **Stochastic Binary Neural Networks for Qualitatively Robust Predictive Model Mapping**

A. T. Burrell, P. Papantoni-Kazakos.....603

### **Adaptation in Stochastic Dynamic Systems—Survey and New Results III: Robust LQ Regulator Modification**

I. V. Semushin.....609

### **A Hybrid Method for Edge Continuity Based on Pixel Neighbors Pattern Analysis (PNPA) for Remote Sensing Satellite Images**

W. Haider, M. S. Malik, M. Raza, A. Wahab, I. A. Khan, U. Zia, J. Tanveer, H. Bashir.....624

### **Mathematical Models and Optimization in Line Structure Routing: Survey and Advanced Results**

V. I. Struchenkov.....631

### **Local Search Heuristics for NFA State Minimization Problem**

A. V. Tsyganov.....638

### **MDCHeS: Model-Driven Dynamic Composition of Heterogeneous Service**

S. Farokhi, A. Ghaffari, H. Haghighi, F. Shams.....644

---

The figure on the front cover is from the article published in *Int. J. Communications, Network and System Sciences*, 2012, Vol. 5, Special Issue, pp. 579-592 by Michael Sobolewski and Raymond Kolonay.