# Table of Contents

Preface.................................................................................................................................................. xiii

Acknowledgment........................................................................................................................................ xvii

Section 1
Network Management and Traffic Engineering

Chapter 1
A Comparative Study of SIP Overload Control Algorithms .................................................. 1
Yang Hong, Carleton University, Canada
Changcheng Huang, Carleton University, Canada
James Yan, Carleton University, Canada

Chapter 2
Management of Service Level Agreement for Service-Oriented Content Adaptation Platform ........ 21
Mohd Farhan Md Fudzee, Tun Hussein Onn University, Malaysia
Jemal Abawajy, Deakin University, Australia

Chapter 3
Strategies for Agent-Based Negotiation in E-Trade ................................................................. 43
Raja Al-Jaljouli, Deakin University, Australia
Jemal Abawajy, Deakin University, Australia

Chapter 4
Security Policy Specification ........................................................................................................... 66
Jorge Bernal Bernabé, University of Murcia, Spain
Juan M. Marín Pérez, University of Murcia, Spain
Jose M. Alcaraz Calero, Cloud and Security Lab Hewlett-Packard Laboratories, UK
Jesús D. Jiménez Re, University of Murcia, Spain
Félix J. García Clemente, University of Murcia, Spain
Gregorio Martínez Pérez, University of Murcia, Spain
Antonio F. Gómez Skarmeta, University of Murcia, Spain
Chapter 5
Workflow Scheduling with Fault Tolerance ................................................................. 94
Laiping Zhao, Kyushu University, Japan
Kouichi Sakurai, Kyushu University, Japan

Chapter 6
Privacy in Participatory Sensing Systems ................................................................. 124
Tishna Sabrina, Monash University, Australia
Manzur Murshed, Monash University, Australia

Section 2
Emerging Technologies and Advanced Platforms

Chapter 7
A Computation Migration Approach to Elasticity of Cloud Computing .................. 145
Cho-Li Wang, The University of Hong Kong, Hong Kong
King Tin Lam, The University of Hong Kong, Hong Kong
Ricky Ka Kui Ma, The University of Hong Kong, Hong Kong

Chapter 8
Managing Network Quality of Service in Current and Future Internet .................... 179
Mark Yampolskiy, Leibniz Supercomputing Centre (LRZ), Germany
Wolfgang Fritz, Leibniz Supercomputing Centre (LRZ), Germany
Wolfgang Hommel, Leibniz Supercomputing Centre (LRZ), Germany

Chapter 9
Enabling Frameworks for Autonomic Adaptation of Protocols in Future Internet Systems .... 224
Vangelis Gazis, University of Athens, Greece
Eleni Patouni, University of Athens, Greece
Nancy Alonistioti, University of Athens, Greece

Chapter 10
Mobility Management Issues for Next Generation Wireless Networks ..................... 247
Sajal Saha, Narula Institute of Technology, India
Asish K Mukhopadhyay, Dr. B.C. Roy Engineering College, India

Chapter 11
Energy Efficient Data Query, Processing and Routing Techniques for Green Wireless Sensor Networks ......................................................................................... 275
Afshin Behzadan, Ryerson University, Canada
Alagan Anpalagan, Ryerson University, Canada
Chapter 12
SCAMSTOP: A Platform for Mitigating Fraud in VoIP Environments.................................................. 302
  Yacine Rebahi, Fraunhofer Fokus, Germany
  Reinhard Ruppelt, Fraunhofer Fokus, Germany
  Mohamed Nassar, INRIA Research Center Nancy – Grand Est, France
  Olivier Festor, INRIA Research Center Nancy – Grand Est, France

Compilation of References .................................................................................................................. 326

About the Contributors ...................................................................................................................... 347

Index .................................................................................................................................................. 356