Special Issue on Future Mobile Computing Environments and Multimedia

Guest Editorial Preface

George Mastorakis, Department of Business Administration, Technological Educational Institute of Crete, Crete, Greece
Evangelos Pallis, Department of Informatics Engineering, Technological Educational Institute of Crete, Crete, Greece
Constandinos X. Mavromoustakis, Department of Computer Science, University of Nicosia, Nicosia, Cyprus

Research Articles

1 QoS-Constrained Resource Allocation Scheduling for LTE Network
Hung-Chin Jang, Department of Computer Science, National Chengchi University, Taipei, Taiwan
Yun-Jun Lee, Department of Computer Science, National Chengchi University, Taipei, Taiwan

16 GAIA Bus: Cloud Computing Services for Agro-Food Chain
Georgios Kormentzas, Department of Information and Communication Systems Engineering, University of the Aegean, Samos, Greece

29 Secured Communication Key Establishment for Cluster-Based Wireless Sensor Networks
Quazi Mamun, School of Computing and Mathematics, Charles Sturt University, Bathurst, Australia
Rafiqul Islam, School of Computing and Mathematics, Charles Sturt University, Bathurst, Australia
Mohammed Kaosar, School of Computing and Mathematics, Charles Sturt University, Bathurst, Australia

45 Wireless Femto-Relays: A New Model for Small Cell Deployments
Nikolaos Nomikos, Department of Information and Communication Systems Engineering, University of the Aegean, Samos, Greece
Prodromos Makris, Computer Technology Institute, Kazantzaki, Greece
Dimitrios N. Skoutas, Department of Information and Communication Systems Engineering University of the Aegean, Samos, Greece
Demosthenes Yousifionas, Department of Information and Communication Systems Engineering University of the Aegean, Samos, Greece
Charalampos Skianis, Department of Information and Communication Systems Engineering, University of the Aegean, Samos, Greece

62 Traffic-Based S-MAC: A Novel Scheduling Mechanism for Optimized Throughput in Mobile Peer-to-Peer Systems
Odysseas Shiakallis, Department of Computer Science, University of Nicosia, Nicosia, Cyprus

81 A Mobility-Based Routing Protocol for CR Enabled Mobile Ad Hoc Networks
Yan Sun, School of Electronic Engineering and Computer Science, Queen Mary University of London, London, UK
Jingwen Bai, School of Electronic Engineering and Computer Science, Queen Mary University of London, London, UK
Hao Zhang, School of Electronic Engineering and Computer Science, Queen Mary University of London, London, UK
Roujia Sun, School of Electronic Engineering and Computer Science, Queen Mary University of London, London, UK
Chris Phillips, School of Electronic Engineering and Computer Science, Queen Mary University of London, London, UK