# Early Access

1. Two Time-Scale Resource Management for Green Internet of Things Networks

Deyu Zhang; Ying Qiao; Liang She; Ruyin Shen; Ju Ren; Yaoxue Zhang

1. City Scanner: Building and Scheduling a Mobile Sensing Platform for Smart City Services

Amin Anjomshoaa; Fábio Duarte; Daniël Rennings; Thomas Matarazzo; Priyanka de Souza; Carlo Ratti

1. An Intelligent Traffic Load Prediction Based Adaptive Channel Assignment Algorithm in SDN-IoT: A Deep Learning Approach

Fengxiao Tang; Zubair Md. Fadlullah; Bomin Mao; Nei Kato

1. Hierarchical Fog-Cloud Computing for IoT Systems: A Computation Offloading Game

Hamed Shah-Mansouri; Vincent W. S. Wong

1. Hybrid-LRU Caching for Optimizing Data Storage and Retrieval in Edge Computing-Based Wearable Sensors

Gangyong Jia; Guangjie Han; Hongtianchen Xie; Jiaxin Du

1. A Dynamic Programming Algorithm for High-Level Task Scheduling in Energy Harvesting IoT

Antonio Caruso; Stefano Chessa; Soledad Escolar; Xavier del Toro; Juan Carlos López

1. DEBTS: Delay Energy Balanced Task Scheduling in Homogeneous Fog Networks

Yang Yang; Shuang Zhao; Wuxiong Zhang; Yu Chen; Xiliang Luo; Jun Wang

1. Application Aware Workload Allocation for Edge Computing based IoT

Qiang Fan; Nirwan Ansari

1. Mobile-Edge Computation Offloading for Ultra-Dense IoT Networks

Hongzhi Guo; Jiajia Liu; Jie Zhang; Wen Sun; Nei Kato

1. Energy-Efficient User Scheduling and Power Allocation for NOMA based Wireless Networks with Massive IoT Devices

Daosen Zhai; Ruonan Zhang; Lin Cai; Bin Li; Yi Jiang

1. Task Allocation in Spatial Crowdsourcing: Current State and Future Directions

Bin Guo; Yan Liu; Leye Wang; Victor O. K. Li; Jacqueline C. K. LAM; Zhiwen Yu

1. Real-Time Awareness Scheduling for Multimedia Big Data Oriented In-Memory Computing

Jianwen Xu; Kaoru Ota; Mianxiong Dong

1. Microservices Scheduling Model over Heterogeneous Cloud-Edge Environments as Support for IoT Applications

Ion-Dorinel Filip; Florin Pop; Cristina Serbanescu; Chang Choi

1. An Energy-Efficient Multi-Objective Scheduling Model for Monitoring in Internet of Things

Basma Mostafa; Abderrahim Benslimane; Mohamed Saleh; Sally Kassem; Miklos Molnar

1. Edge Computing and Social Internet of Things for large-scale smart environments development

Franco Cicirelli; Antonio Guerrieri; Giandomenico Spezzano; Andrea Vinci; Orazio Briante; Antonio Iera; Giuseppe Ruggeri

# Current/Past Issue

1. FEMOS: Fog-Enabled Multitier Operations Scheduling in Dynamic Wireless Networks

Shuang Zhao; Yang Yang; Ziyu Shao; Xiumei Yang; Hua Qian; Cheng-Xiang Wang

1. Edge Computing for the Internet of Things: A Case Study

Gopika Premsankar; Mario Di Francesco; Tarik Taleb

1. Resource Allocation Strategy in Fog Computing Based on Priced Timed Petri Nets

Lina Ni; Jinquan Zhang; Changjun Jiang; Chungang Yan; Kan Yu

# Uncorrelated In Detail

1. Energy Efficient Resource Allocation Algorithm in Energy Harvesting-Based D2D Heterogeneous Networks

Zhufang Kuang; Gang Liu; Gongqiang Li; Xiaoheng Deng

1. Clustering of Data Streams with Dynamic Gaussian Mixture Models. An IoT Application in Industrial Processes

Javier Diaz-Rozo; Concha Bielza; Pedro Larrañaga

1. Distributed Node Coordination for Real-Time Energy-Constrained Control in Wireless Sensor and Actuator Networks

Lei Mo; Xianghui Cao; Yeqiong Song; Angeliki Kritikakou

1. SmartBAN Downlink Performance Study: A Novel Transmission Framework for Reducing Delay and Energy Consumption

Lihua Ruan; Elaine Wong

1. PDDS: Scalable Sensor Data Distribution for Cyber-Physical Systems using GPGPUs

Woochul Kang; Jibum Kim

1. Accumulate Then Transmit: Multi-user Scheduling in Full-Duplex Wireless-Powered IoT Systems

Di Zhai; He Chen; Zihuai Lin; Yonghui Li; Branka Vucetic

1. Traffic Load Minimization in Software Defined Wireless Sensor Networks

Guozhi Li; Songtao Guo; Yang Yang; Yuanyuan Yang; Yuanyuan Yang; Yuanyuan Yang; Yuanyuan Yang

1. Reducing the Cooling Power of Data Centers by Intelligently Assigning Tasks

Liyao Yang; Yuhui Deng; Laurence T. Yang; Ruihong Lin