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Technical Program at a Glance

Technical Program in Detail

Tuesday, October 11

Keynote 1: The Challenge and Potential Solution of Mobile Access Network

Speaker: Dr. Yang Ganghua

T1: Wireless Sensor Networks

Wireless sensor and actor networks: e-Health, e-Science, e-Decisions

Jan Sliwa (University of Applied Sciences Bern, Switzerland); Emmanuel Benoist (University of Applied Sciences Bern, Switzerland)
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Implementation Analysis of the IEEE 802.15.4 MAC for Wireless Sensor Networks

Thomas Basmer (IHP- Leibniz-Institut für Innovative Mikroelektronik, Germany); Henry Schomann (Brandenburgische Technische Universität Cottbus, Germany); Steffen Peter (IHP, Germany)
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An Energy Aware MPR-based Broadcasting Algorithms for Wireless Sensor Networks

Tarek Moulahi (University of Franche Comté, France); Herve Guyennet (University de Franche Comté, France); Mohamed Lehsaini (University de Franche Comté, France); Salem Nasri (Ecole Nationale d'Ingénieurs de Monastir, Tunisia)
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Adaptive Channel Hopping for Wireless Sensor Networks

Peng Du (Birkbeck, University of London, United Kingdom); George Roussos (Birkbeck College, University of London, United Kingdom)
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IFRP: An Intrusion/Fault Tolerant Routing Protocol for Increasing Resiliency and Reliability in Wireless Sensor Networks

Hamid Nabizadeh (Shahid Beheshti University, Iran); Maghsoud Abbaspour (Shahid Beheshti University, Iran)
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T2: Communications over Cellular Networks

A Stochastic Network Calculus Approach For the End-to-End Delay analysis of LTE Networks

Lei Zhang (Beijing Information Science & Technology University, P.R. China); Xin Chen (Beijing Information Science and Technology University, P.R. China); Xudong Xiang (University of Science and Technology Beijing, P.R. China); Jianxiong Wan (University of Science and Technolgh Beijing, P.R. China)
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Performance evaluation of backoff algorithms for medium access in wireless networks

Antoniý Ganchev (Concordia University, Canada); Lata Narayanan (Concordia University, Canada); Chadi Assi (Concordia University, Canada)
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A New Channel Reservation Scheme to Reduce Call Blocking in Cellular Networks

Abhijit Sharma (National Institute of Technology, Durgapur, India); Uma Bhattacharya (Bengal Engineering & Science University, India)
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Comparison of Path Loss Prediction Models and Field Measurements for Cellular Networks in Turkey

Erdem Ekiz (Ege University, Turkey); Radosveta Sokullu (Ege University, Turkey)
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Low Complexity Multi-Criteria Ranking based Greedy Algorithm for Dynamic PRB Allocation in 4G Systems

Obilor Nwamadi (University of Liverpool, United Kingdom); Xu Zhu (University of Liverpool, United Kingdom); Asoke K Nandi (The University of Liverpool, United Kingdom)
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A Low Complexity Carrier Frequency Synchronization for OFDMA Uplink Transmissions

Yuan-Hwui Chung (National Taiwan University, Taiwan); See-May Phoong (National Taiwan University, Taiwan)
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T3: Communications in Opportunistic Networks

Adaptive Fuzzy Spray and Wait: Efficient Routing for Opportunistic Networks

Jad Makhoul (American University of Beirut, Lebanon); Hamza Harkous (EPFL, Switzerland); Farah Hutayt (American University of Beirut, Lebanon); Hassan A. Artail (American University of Beirut, Lebanon)
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ACCOP: Adaptive Cost-Constrained and Delay-Optimized Data Allocation over Parallel Opportunistic Networks

Hamza Harkous (EPFL, Switzerland); Jad Makhoul (American University of Beirut, Lebanon); Farah Hutayt (American University of Beirut, Lebanon); Hassan A. Artail (American University of Beirut, Lebanon)
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A Novel Congestion Control Scheme for Delay Tolerant Networks

Rajkumar Das (Bangladesh University of Engineering and Technology, Bangladesh); Md. Anindya Proshan (Bangladesh University of Engineering and Technology, Bangladesh); Md. Kabir (Bangladesh University of Engineering and Technology, Bangladesh); Ali Shoja (University of Victoria, Canada)
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Impact of Social Structure on Forwarding Algorithms in Opportunistic Networks

Ning Wang (University of Cambridge, United Kingdom); Eiko Yoneki (University of Cambridge, United Kingdom)

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The Availability of Fast-Flux Service Networks

YunFeng Xu (Huazhong University of Science & Technology, P.R. China)

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Wednesday, October 12

Keynote 2: The Next Generation CDMA Technology - its Opportunities and Challenges

Speaker: Professor Hsiao-Hwa Chen

W1: Optimizations for Wireless Communications

A Distributed Scheduling Algorithm for Mobile WiMAX Networks

Haidar Safa (American University of Beirut, Lebanon); Samar Khayat (American University of Beirut, Lebanon)

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UDP Packet Data Transmission over TETRA Radio System

Maitham Al-Safwani (Saudi Aramco, Saudi Arabia)

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An Optimized Message Aggregation Method to Resolve Funneling Effect in Mobility Management

Chi Trung Ngo (University of Ulsan, Korea); Thuy Pham (University of Ulsan, Korea); Hoon Lawrence Oh (University of Ulsan, Korea)

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Measurement Based Radio Environment Database Using Spectrum Sensing in Cognitive Radio

Rajib Imam Hasan (The University of Electro-Communication, Japan); Kei Inage (The University of Electro-Communications, Japan); Mai Ohta (The University of Electro-Communications, Japan); Takeo Fujii (The University of Electro-Communications, Japan)

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Power-Minimizing and Rate-Maximizing Transceivers with Integer Bit Allocation: A duality

Chien-Chang Li (National Chiao Tung University, Hsinchu, Taiwan); Yuan-Pei Lin (National Chiao Tung University, Taiwan)

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W2: Localization Techniques and Ad Hoc Networking

Localization of Wi-Fi Access Point using Smartphone's GPS Information

Seung-Man Chun (Kyungpook National University, Korea); Seung-Mu Lee (Kyungpook National University, Korea); Jae-wook Nah (University of Kyungpook National University, Korea); Jun Hyuk Choi (Kyungpook National University, Korea); Jong Tae Park (Kyungpook National University, Korea)
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Anchor Nodes Placement for Effective Passive Localization

Robert Akl (University of North Texas, USA); Karthikeyan Pasupathy (University of North Texas, USA); Mohamad Haidar (Ecole de Technologie Superieure, Canada)
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Threshold ElGamal-based Key Management scheme for distributed RSUs in VANET

Na Ruan (Department of Informatics, Kyushu University, Japan); Takashi Nishide (Kyushu University, Japan); Yoshiaki Hori (Kyushu University, Japan)
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A Replication Based Caching Strategy for MANET

Haidar Safa (American University of Beirut, Lebanon); Fida Deriane (American University of Beirut, Lebanon); Hassan A. Artail (American University of Beirut, Lebanon)
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Integrating Pervasive Middleware with Social Networks in SAPERE

Franco Zambonelli (University of Modena and Reggio Emilia, Italy); Gabriella Castelli (University of Modena and Reggio Emilia, Italy); Marco Mamei (Università di Modena e Reggio Emilia, Italy); Alberto Rosi (University of Modena and Reggio Emilia, Italy)
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