



Welcome Message 9:00-9:05am

Session 1: Topology Control 9:05-10:05am

Chair: Chih-Wei Yi (National Chiao Tung University)

A Trade-off Scheme for Fault Tolerant Connected Dominating Sets on Size and Diameter, Ning Zhang, Incheol Shin (Univ. of Florida); Feng Zou, Weili Wu (Univ. of Texas at Dallas); My Thai (Univ. of Florida)

Power Conservation for Strongly Connected Topology Control in Wireless Sensor Networks, Deying Li (Renmin Univ. of China); Hongwei Du (City Univ. of Hong Kong); Wenping Chen (Renmin Univ. of China)

Power Efficient Resilience and Lifetime in Wireless Ad-Hoc Networks, Daniel Berend, Michael Segal, Hanan Shpungin (Ben-Gurion University of the Negev)

Coffee Break 10:00-10:30am

Session 2: Routing and Service Discovery 10:30-11:30am

Chair: Xiaowen Chu (Hong Kong Baptist University)

A Geographic Routing Protocol Utilizing Link Lifetime and Power Control for Mobile Ad hoc Networks, Sangsu Jung, Dujong Lee, Sangyoon Yoon (Information and Communications Univ.); Jaehwi Shin, Youngwoo Lee (Korea Telecom); Jeonghoon Mo (Yonsei Univ.)

On Routing in Lossy Wireless Networks with Realistic Channel Models, Rong Zheng (University of Houston)

Localized Distance-Sensitive Service Discovery in Wireless Sensor Networks, Xu Li, Nicola Santoro (Carleton University); Ivan Stojmenovic (University of Birmingham)

Lunch 12:00-1:30pm

Session 3: Energy Conservation in Sensor Networks 1:30-3:00pm

Chair: Wei Lou (Hong Kong Polytechnic University)

Equitable Distribution Energy Consumption of Wireless Sensor Networks, Naif Alsharabi, LiRenFa (Hunan University); Maan Younis (Central South University)

Algorithms for Balancing Energy Consumption in Wireless Sensor Networks, Bo Sun, Sui-Xiang Gao (Graduate Univ. of Chinese Academy of Sciences, GUCAS); Rui Chi (Institute of Mental Health); Fei Huang (GUCAS)

Probability and Suboptimal Distance based Lifetime Prolong Algorithms for Wireless Sensor Networks, Jinfeng Dou, Zhongwen Guo (Ocean Univ. of China, OUC); Jiabao Cao (Lucent Tech. Telecom. Sys.); Guangxu Zhang (OUC)

ATA: Adaptive Transmission Algorithms for Prolonging Lifetime in Underwater Sensor Networks, Zhongwen Guo, Jinfeng Dou (Ocean University of China)

Coffee Break 3:00-3:30pm

Session 4: Other 3:30-4:30pm

Chair: Xinbing Wang (ShangHai JiaoTong University)

Complexity of Scheduling with Analog Network Coding, Olga Goussevskaia, Roger Wattenhofer (ETH Zurich)

Exploiting Sink Movement for Energy-efficient Load-balancing in Wireless Sensor Networks, Gaotao Shi (Tianjin Univ.); Minghong Liao (Harbin Inst. of Tech.); Maode Ma (Nanyang Tech. Univ.); Yantai Shu (Tianjin Univ.)

Cooperative Packet Relaying Model for Wireless Ad hoc Networks, Lu Yan, Stephen Hailes (University College London)