

International Workshop on Localized Communication and Topology Protocols for Ad hoc Networks (LOCAN 2005)

Final Program

November, 7th 2005

9:00 AM – 10:30 AM

Session I: MAC layer and network characterization

1. AASC: Adaptive Avoid Second-Collision Backoff Algorithm for Multihop Wireless Sensor Networks, Chengliang Na, Tingxian Zhou, Lihong Li, and Kexin Wang
2. Statistical Estimation of Route Expiry Times in On-demand Ad hoc Routing Protocols, Srividya Arbindi, Kamesh Namuduri, and Ravi Pendse
3. Dynamic Scheduling MAC protocol for Large Scale Sensor Networks, V. Shah Mansouri, M. MohammadNia-Avval, Y. Ghiassi Farrokhfal, and B. H.Khalaj

10:30 AM – 11:00 AM Break

11:00 AM – 12:30 PM

Session II: Routing

1. Multicasting in Ad Hoc Networks in the Context of Multiple Channels and Multiple Interfaces, Marco Aurelio Spohn and J.J. Garcia-Luna-Aceves
2. A Flooding Protocol for MANETs with Self-Pruning and Prioritized Retransmissions, Martin Jacobsson, Cheng Guo, and Ignas Niemegeers
3. A Reliable Routing Protocol Design for Wireless Sensor Networks, Yanjun Li, Jiming Chen, Ruizhong Lin, and Zhi Wang

12:30 AM – 2:00 PM Lunch

2:00 PM – 3:30 PM

Session III: Energy Efficiency and Sensor Algorithms

1. Reducing the Energy Drain in Multihop Ad Hoc Networks, Geraud Allard, and Bernard Mans
2. An Experimental Study of Routing and Data Aggregation in Sensor Networks, Ossama Younis and Sonia Fahmy
3. Definition and Evaluation of a Trellis Structure for Self-Organized Networks, Julien Ridoux, Anne Fladenmuller, and Yannis Viniotis