

Technical program RAWNET 2006 workshop

Boston, April 3, 2006

Session I: Power Control & Scheduling (8:30-10:00 am)

- On asymptotic optimality of dual scheduling algorithm in a generalized switch
Lijun Chen, Steven Low, John Doyle (California Institute of Technology)
- Optimal power allocation and scheduling for two-cell capacity maximization
Anders Gjendemsjo (Norwegian University of Science and Technology), David Gesbert (Institute Eurecom), Geir E. Oien (Norwegian University of Science and Technology), Saad G. Kiani (Institute Eurecom)
- Scheduling algorithms for point to multipoint operation in IEEE 802.16 networks
Rajagopal Iyengar, Koushik Kar, Biplab Sikdar (Rensselaer Polytechnic Institute)

Coffee break (10:00-10:30 am)

Keynote talk (10:30-11:30 am)

Wireless resource allocation games
Randall Berry (Northwestern University)

Invited talk (11:30 am-12:10 pm)

Distributed and partial information based optimal control in multi-hop wireless networks
Saswati Sarkar (University of Pennsylvania)

Lunch break (12:10-1:20 pm)

Session II: Ad-hoc Networks (1:20-2:20 pm)

- Distributed allocation of identical resources in mobile ad hoc networks
Salahuddin Mohammad Masum (Bangladesh University of Engineering and Technology), Famin Ahsan Ali (University of Dhaka)
- Alert service in VANET: Analysis and design
Roberta Fracchia, Michela Meo (Politecnico di Torino)

Invited talk (2:20-3:00 pm)

Aditya Karnik (University of Waterloo)

Distributed and partial information based optimal control in multi-hop wireless networks

Coffee break (3:00-3:30 pm)

Session III: IEEE 802.11 Networks (3:30-5:30 pm)

- A self-managed distributed channel selection algorithm for WLANs
D.J. Leith, P. Clifford (Hamilton Institute, National University of Ireland)
- On-line client-AP association in WLANs
Gaurav S. Kasbekar, Pavan Nuggehalli, Joy Kuri (Indian Institute of Science, Bangalore)
- Improving fairness in multi-hop mesh networks using 802.11e
K. Duffy, D.J. Leith, T. Li, D. Malone (Hamilton Institute, National University of Ireland)
- Queue management strategies to improve TCP fairness in IEEE 802.11 wireless LANs
Mingwei Gong, Qian Wu, Carey Williamson (University of Calgary)