AGENDA

9:15 – 9:30 AM Welcoming Remarks
Prof. D. Raychaudhuri – Director - WINLAB

AD HOC AND MESH NETWORKS

9:30 – 10:00 AM Wireless Ad Hoc Network Architecture and Protocols Overview
Prof. D. Raychaudhuri

10:00 – 10:30 AM Theoretical Foundations for Ad Hoc Wireless Networks
Prof. Roy Yates

10:40 – 11:10 AM MAC Layer Considerations for Ad Hoc and Mesh Networks
Prof. Marco Gruteser

11:10 – 11:40 AM Routing and Cross-layer Considerations in Mesh Networks
Sachin Ganu

11:40 AM – 12:30 PM KEYNOTE SPEECH
MULTI-CHEL WIRELESS NETWORKS:
CAPACITY, PROTOCOLS AND EXPERIMENTATION
PROF. NITIN H. VAIDYA
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
COORDINATED SCIENCE LABORATORY
UNIVERSITY OF ILLINOIS AT UrbANA-CHAMPAIGN

LUNCH
12:30 – 1:20 PM

1:30 – 1:55 PM Is User-Cooperation in Wireless Networks Always Beneficial?
Suhas Mathur and Prof. Narayan Mandayam

1:55 – 2:20 PM Comparison of User-Cooperation vs. Dedicated Relays in a Multi-access Channel
Lalitha Sankaranarayanan and Prof. Narayan Mandayam

2:20 – 2:45 PM Wireless Networks for Spectrum Sensing and Localization of Radio Sources
Goran Ivkovic and Prof. Predrag Spasojevic

2:45 – 3:10 PM On the Capacity of Hierarchical Ad Hoc Wireless Networks
Suli Zhao and Prof. D. Raychaudhuri

3:10 – 3:30 PM

3:30 – 3:55 PM IRMA: Integrated Routing and MAC Scheduling in Mesh Networks
Zhibin Wu and Prof. D. Raychaudhuri

3:55 – 4:20 PM Creating Wireless Multi-hop Topologies on Indoor Testbeds Through Noise Injection
Sanjit Kaul and Prof. Marco Gruteser

4:20 – 4:45 PM A QoS Routing and Admission Control Scheme for 802.11 Ad Hoc Networks
Lin Luo and Profs. Marco Gruteser and D. Raychaudhuri

4:45 – 5:10 PM Location-based Flooding Techniques for Vehicular Emergency Messaging
Sangho Oh and Prof. Marco Gruteser

6:30 – 8:00 PM IAB DINNER
UNIVERSITY INN AND CONFERENCE CENTER
Directions to University Inn and Conference Center:
Take Route 1 North to the second exit for Ryder’s Lane going toward New Brunswick. Proceed through the traffic light. A short distance after the light, you will pass Cobb Road on your right and then two houses on the right. The road will begin to curve to the left. Do not take that curve but drive straight ahead into the entrance to the Inn and turn left into the parking lot.