

## **Suggested topics for research projects:**

(research or survey):

Handoff in cellular networks

Location management in cellular networks

Channel assignment in cellular networks

Wireless MAC

Routing protocols

Multicasting

Broadcasting

Geocasting

Power optimization

Topology control

Mobility management

Sensor networks and other applications

Localization methods

Sensor coverage

Sensor deployment and tracking

Time synchronization

Reliability and fault tolerance

Security

Network coding

Search in peer-to-peer (structured and/or unstructured)

Pervasive computing

Social networks

(Simulation):

NS-2, GloMoSim, OPNET

Simple custom simulator for ad hoc and sensors networks