

Faculty and Research Interests

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Education:

2006 Ph.D. Electrical and Computer Engineering
University of Wisconsin-Madison

Experience:

2007~ now Dept. of Computer Science and
Information Engineering
National Taiwan University of
Science and technology

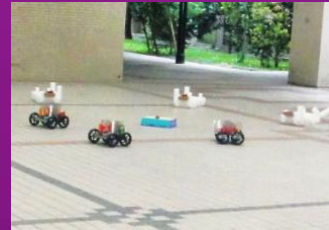
Research Interests:

Wireless Ad-hoc Networks, Sensor Networks,
Mobile Computing, Parallel and Distributed
Systems

Current Projects:

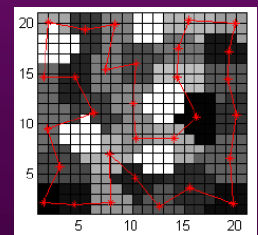
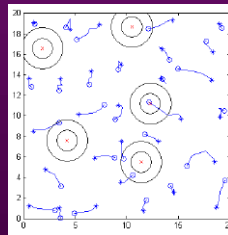
- **Information Service and Security in Vehicular Ad-hoc Networks**
 - The project studies information collection and dissemination as well as secure problems in vehicular ad-hoc networks.
- **Detection , Localization, and Tracking in Wireless Sensor Networks**
 - The project investigates advanced technologies for target detection, localization and tracking in wireless sensor networks.

Distributed Mobile Sensor Network Swarm



- Sensing tasks carried out by mobile sensor independently
- Swarm without collisions
- Movement controlled by Real time sensing data

Path Planning for Collaborative Mobile Sensor Networks



- Collaborative target detection
- Path plan optimization
- Impact of obstacles manipulation