Welcome to ERWiN 2008!
Orientation Meeting
May 27th, 2008

Roadmap for Today
• Brief introduction
• Finish paperwork (student IDs, etc)
• Laboratories & other facilities
• Q&A
• Lunch
• Meet your mentor (kickoff meetings)

Program Overview
• Experimental Research on Wireless Networking
  – how to perform research
  – what’s life like as grad student
  – get prepared for grad school
  – contribute to research projects
  – explore wireless networking and related areas
  – learn/develop skills, improve resume
  – meet people, make contacts

Meet Dr. Poellabauer
• Assistant Professor (CSE)
• Teaching:
  – Computer Networks
  – Real-Time Systems
  – Mobile Computing
• Research:
  – Real-Time Systems
  – Wireless Networks
  – Sensor Networks
  – Mobile Computing
  – Energy Management

Meet Dr. Striegel
• Assistant Professor
  – Comp Sci & Engr. (CSE)
• Teaching
  – Networking, security, programming, embedded systems
• Research
  – Computer networks
    • Make YouTube fast
  – Computer security
    • Keep my network safe from 0x331 HazXORS!

Other Faculty Mentors
Dr. Nitesh Chawla
CSE, Data Mining
353 Fitzpatrick

Dr. Nick J. Laneman
Electrical Engineering
267 Fitzpatrick
Fitzpatrick Hall

Graduate Students

Nadine Shillingford
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Graduate Students

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Graduate Students

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Graduate Students

• Dave Salyers
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• Andrew Blaich
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Labs Web Sites

• DARTS Lab: www.cse.nd.edu/~darts
• NetScale Lab: netscale.cse.nd.edu/
Projects and Participants

- Knowledge Discovery and Mining in Mobile Environments
  - Students:
    - James Notwell (University of Notre Dame)
    - Sean McRoskey (University of Notre Dame)
  - Mentors: Drs. Chawla and Poellabauer

- Content Sharing Applications and Protocols on Smartphones
  - Students:
    - Matthew Shott (Hope College)
    - Andrew Thrasher (Anderson College)
  - Mentors: Drs. Poellabauer and Striegel

- Wiimote Interactions for Freshman Engineering Education
  - Students:
    - Jordan Brindza (University of Pennsylvania)
    - Jessica Szweda (Centre College)
  - Mentor: Dr. Striegel

- Cooperative Local Retransmission in Wireless Networks
  - Students:
    - Wesley Sun (University of Louisiana)
    - Michael Souza (Longwood University)
  - Mentors: Drs. Poellabauer and Striegel

- Development and Study of Ad-Hoc Routing Protocols
  - Students:
    - Damien Torres (University of Puerto Rico)
    - Matthew Tran (University of Connecticut)
    - Emmanuel Bella-Ogunu (University of Notre Dame)
  - Mentor: Dr. Poellabauer

ERWiN Website & Wiki

- [www.cse.nd.edu/~darts/reu.html](http://www.cse.nd.edu/~darts/reu.html) — event listing
- [snoopy.cse.nd.edu/dokuwiki/doku.php](http://snoopy.cse.nd.edu/dokuwiki/doku.php) — project reports and collaboration

Paperwork

- Finish and hand in tax forms
  - 384 Fitz
  - need ID
- Get phone IDs & meal cards (if desired)
  - basement of South Dining Hall
  - need ID and ndID
- Drop off direct deposit form
  - HR, 100 Grace Hall
  - with copy of cancelled check or deposit slip
- Pick up/apply for parking pass
  - Security Building (Post Office)
  - 40.- for summer months

Laboratories (Quick Tour)

- 208 Cushing
- DARTS Lab
- NetScale Lab
What Else You Should Know

- Expectations & Responsibilities
- Communication
- Collaboration
- Documentation
- What if you have any kind of problems?

How To Get Started

- Meet your mentor
- (Multiple) weekly meetings
- Ask questions (mentor, students)
- Learn to find answers (search engines, library, etc.)
- Learn to read/understand papers
- Work hard & make progress every week
- But also enjoy your summer!