

# Infostations

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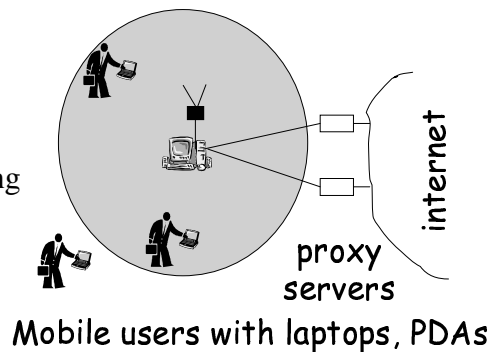
Students: Emre Celebi, Tom Cortina, & others

NSF I/UCRC Planning Meeting, September 18, 2003

## Background and Motivation

- High data rate
  - Low power
  - Automatic access
- In isolated coverage areas to
- Non-urgent information
  - Particularly suited to pushing
    - Popular
    - Location-dependent Information

Infostation = 802.11 AP + PC  
+ software





## Current Status

- Initial prototype
  - Data carousel
  - Infostation multicasts index and data items + receives requests
  - Client software analyzes index, subscribes to multicast groups for items of interest (based on prior subscriptions), and issues requests for items/fragments that are not already scheduled
- Application for distributing course material
- Analysis of how to allocate bandwidth between popular and unpopular items

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3



## Workplan

- Enhance existing prototype
- Develop new applications
- Integrate with
  - 7DS (w/ Schulzrinne, Ross)
  - zDelta, zSynch (w/Suel)
  - Cellular network

September 18, 2003

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4