

## Research Experiences for Undergraduates

### Integrated Software Radio and Radio Frequency Test Bed

- Ten-week summer research (May 18 – July 24, 2009)
- Wireless research using software defined radio, RF transceivers, and simulation software
- Site visits, seminars, and student presentations
- Recreational activities, 10 minute train to New York City
- \$4,500 stipend, plus travel allowance and campus housing (overlooking Manhattan)

### Apply online:

<http://www.stevens.edu/wireless/reu/>  
(Application deadline: March 31, 2009)

#### Eligibility:

- Fall 2009 undergraduates who are US citizens or permanent residents
- Minority and female candidates are strongly encouraged to apply
- Electrical engineering, computer engineering or computer science majors are welcome to apply

#### Sample projects:

- Design and development of software defined radio
- FPGA/VDHL design for software designed radio
- Multi-band RF transceiver development
- Interactive performance evaluation of wireless communications systems

