Research Project for Dr. James Conrad

**Project title:** Wireless Software Development

**Date posted:** June 21, 2005

**Type of research:**
- __ Minor effort (0-40 hours)
- __ Embedded Class Project (41 - 90 hours)
- __ MS without thesis project (91 - 150 hours)
- __ Special Topics Class research (151- 400 hours)
- xx MS Thesis (401 - 2000 hours)
- __ PhD Dissertation (2000+ hours)

**Paid?**
- __ Research Assistantship available
- xx no funding
- xx possibility for funding

Funding source: NSF Grant submitted, will know by 8/31/05 if funded

**Description:**
Students will work with Drs. Conrad and Howitt, and with two other students to work on an script-like development environment wireless communications. Prerequisite: Requires knowledge of Atmel AVR architecture, real-time operating systems and wireless technologies (802.11 and 801.15.4), grade of A in ECGR 5101 (Embedded Systems), enrollment in ECGR 6185 (Advanced Embedded Systems).

**References:**
Quantum Framework
Tiny OS