NSIC 2009 Application to Compete

This form will be completed and submitted (electronically or by fax) by January 28, 2009. It must be totally completed to be considered.

University: Colorado School of Mines
1500 Illinois St
Golden, CO, 80401

Technology Title: Activity Recognition in a dense sensor network

Technology Description (limit to one paragraph):
Using wireless sensor networks as an information source, we propose an approach to perform real-time activity classification and anomaly detection within a building. Our primary target is publicly available buildings where conventional security methods are not possible. Our goal is to produce work which leads to faster response times in the event of security or health risks that need immediate attention.

Team Composition and Contributions to the Team:
Student Team Leader
James Howard   james.w.howard@gmail.com   303-881-9826
Contribution: Development, implementation and testing of possible algorithms.

Faculty Advisor
Dr. William Hoff   whoff@mines.edu   303-273-3761
Contribution: Development of algorithms, lead on all project related decisions

Certification:
On behalf of our team we certify that our entry is the original idea and work product of this student/advisor team, and has not been (1) made available to the public as a commercial product or process or (2) patented or published more than one year prior to the date of submission to the competition. The technology is not licensed to any business. If the technology is a continuation of previous research at the University, the current team of students and advisor has contributed significant advances in the technology. This technology has not previously been the winner of one of the top three awards at a previous NSIC competition.

James Howard   *William Q. Hoff*

Team Captain   Team Faculty Advisor
Date: 02/02/2009   02/02/2009

E-mail to NSIC@cstionline.org or Fax to 719-685-7878 Attn: NSIC Coordinator