

## Abstract Examples CAREER & TECHNICAL PROGRAMS

*It is really not necessary to label the parts of an abstract with "problem statement, motivation, approach, demonstration, results, and conclusion." Outlining the parts of the abstract with these labels was helpful in assuring that the abstract was written clearly and completely, but they can be omitted from the final draft.*

Title: LOCKDOWN ALERT NETWORK (LAN)

Major(s): Technical Integration, Process Technology, Machining & Manufacturing Technology

Department: Manufacturing Technology, Technology Integration, WCCC

External Funding Source: National Science Foundation

Abstract: Problem Statement: The rise of school violence and security issues has facilitated the need for security measures in schools. Colorado has seen an explosive rise in the number of violent crimes and school related threats. This project aims at creating an effective tool to combat these threats. Motivation: An alert system in schools will have the potential to save the lives of students, teachers and faculty members. The quick response nature of this project will give those in classrooms the edge necessary to deal with security issues. Approach: Computer based alarm trigger over a packet-switched network; Audible alarms with LED strobes. Demonstration: The ability to hit a button on a computer to activate an alarm system that will rapidly notify all students and staff of potential security threats. This will allow a campus to enter a lockdown mode rapidly to seal off any internal or external threat. Results: Work in Progress. Conclusion: Change the way that school security is approached.

*In the "approach" section, the ideas should be written out in complete sentences rather than just a list.*

*The results section can be omitted since it is not really relevant here.*

*The conclusion should be framed as a complete sentence. Maybe it could read, "With this project, the presenters hope to demonstrate that there can be new approaches to maintaining security in schools."*