

***The University of Alabama
Department of Computer Science
Colloquium Series Speaker***

**Dr. Andrew L. Kun
University of New Hampshire**

The Project54 system

**Monday, Dec. 05
HO 108**

New Time → 1:00 p.m. ← New Time

Abstract:

A typical police cruiser is filled with electronic devices, displays, and inputs, all competing for the officer's attention. The Project54 system integrates those devices, and its speech-based user interface lets officers operate them without taking their eyes off the road. The Project54 system was developed by the Consolidated Advanced Technologies for Law Enforcement Program, a collaborative effort between the University of New Hampshire and the New Hampshire Department of Safety. The Project54 system is built using hardware and software industry standards and open-interface specifications to maximize flexibility and to facilitate progressive upgrades and repairs. The system provides access to both local and remote data in support of typical public-safety applications such as license and registration checks, computer aided dispatch, and so forth. The data system architecture being deployed in New Hampshire is being optimized to provide maximal functionality considering the low-bandwidth and possibly intermittent wireless data channels typically encountered in public-safety operating environments.

Dr. Kun's Bio:

Andrew L. Kun is an assistant professor of electrical and computer engineering at the University of New Hampshire. His research interests include speech user interface design for mobile computing and software system architecture design for mobile computing. He received his PhD in electrical engineering from the University of New Hampshire. He is a member of the IEEE and Tau Beta Pi. Contact him at andrew.kun@unh.edu.