

IST-056
Embedded Systems and their Applications

Liang Cheng

Assistant Professor, Department of Computer Science and Engineering
Lehigh University

Dale Parson

Software Architect, Agere Systems, Allentown, PA

Abstract

The purpose of this project is to research and develop algorithms, architectures, and applications for embedded systems. This project is a continuation of the PITA (Pennsylvania Infrastructure Technology Alliance) project funded in the last year. Specific goals of this year's continuing work include: (1) designing algorithms, architectures, and applications for data-centric and energy-efficient embedded systems, such as home-media networks and ad hoc sensing systems; and (2) developing curriculum, and educating and training students in these areas. The goals will be accomplished through collaborative efforts among Lehigh University, Agere Systems, and Carnegie Mellon University with support from the PITA.