

**THURSDAY
MARCH 8, 2007**

**Scaife Hall Auditorium
Room 125**

4:30 p.m.
Refreshments—4:00 p.m.

Automotive Embedded Systems

DR. WILLIAM MILAM

FORD MOTOR COMPANY
SCIENTIFIC RESEARCH LABORATORY



William Milam is a Technical Expert at the Ford Research and Innovation Center, Ford Motor Company. His research addresses modeling and implementation of advanced technology automotive engines for improved fuel economy and emissions, and improvements in systems engineering processes for the design of automotive embedded systems. He is a member of the IEEE and a member of the SAE. Mr. Milam is a member of the SAE Electronic Design Automation Standards Committee, the SAE Architecture Analysis and Design Language Standards Committee and chairs the SAE Model Based Embedded System Engineering Task Force. He was the Ford PI for the DARPA MoBIES program from 2000 to 2004.

The behavior of today's automobile is a product of the embedded systems that control every aspect of its behavior. From engine to navigation to interior temperature, all depends on software. We will explore the following topics in some detail:

- 1) Where were we? How did the auto industry come to embrace embedded systems?
- 2) Where are we? What is the state of embedded system design and implementation?
- 3) Where are we going? What are the challenges facing the industry as automobiles become more integrated with each other and the environment around them?

ECE Seminar Hosts:

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