



AUTOMOTIVE RESEARCH AND INDUSTRIAL MENTORSHIP PROGRAM AT OAKLAND UNIVERSITY



Dept. of Mechanical Engineering



Final Project Presentations

Tuesday, July 25, 2006
187 Science and Engineering Building (SEB)

9:30AM – 10:00AM: Wear and Scuffing of Engine Components

Presenters: Ramsey Slim - Oakland University
Cadari Taylor – Oakland University
Advisor: Dr. Beth Zou

10:00AM – 10:30AM: Design of a Biodiesel Processor

Presenters: Amanda McGrath – University of Idaho
Melanie Payeur – University of New Hampshire
Advisor: Dr. Chris Kobus

10:30AM – 11:00AM: Investigation of Flow through Intake Valves

Presenters: Ashley Shoum – Rochester Institute of Technology
Bryan Journey – University of Oklahoma
Joshua Inouye – Georgia Institute of Technology
Advisors: Dr. Brian Sangeorzan, Dr. Laila Guessous, Dr. Alex Alkidas

11:00AM – 11:30AM: Investigation of the Flow Field Design of the Bipolar Plate on the Performance of the PEM Fuel Cell

Presenter: Trevor Machuga - Oakland University
Advisor: Dr. Xia Wang

11:30AM – 12:00PM: Gas Temperature Measurement and Heat Transfer in Pulsating Flows

Presenters: Stacey Bagg - University of Colorado at Boulder
Carolyn Brennan – Princeton University
Joshua Inouye – Georgia Institute of Technology
Advisors: Dr. Brian Sangeorzan and Dr. Laila Guessous

Financial support for the 2006 ARIM program was provided by:

The National Science Foundation Research Experience for Undergraduates Program (REU)
Dept. of Defense Awards to Stimulate and Support Undergraduate Research Experiences (ASSURE)
Oakland University Office of the Provost and Vice President for Academic Affairs
Oakland University School of Engineering and Computer Science