



Computer Aided Design Laboratory

Instrumentation Laboratory



Materials & Process Lab.



Thermodynamics/Fluids Laboratory

Engine Laboratory



Mr. Joe Glaz



Ms. Peg Sullivan



Prof. Harry Kountouras



Prof. Herli Surjanhata



Prof. Albert Narh



Ms. Barbara Valenti



Prof. Joga Rao



Prof. Chao Zhu



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Welcome to the Mechanical Engineering

Fall Open House Tours

Sunday, October 28, 2007

1:00 P.M.—3:30 P.M.

Mechanical Engineering Center

Room 221



Mechanical Engineering Center



Prof. Rajpal Sodhi, Interim Chair and Professor of Mechanical Engineering Department



Prof. Pasquale Florio, Associate Chair for Undergraduate Studies

Academic Fair

11:00 am—1:00 pm
Campus Center

Prof. Rajpal Sodhi, Prof. Pasquale Florio, Prof. Albert Narh, Prof. Joga Rao, Ms. Peg Sullivan, Ms. Barbara Valenti, ASME, Pi Tau Sigma and SAE

Mechanical Engineering

Fall Open House Tours

MEC 221

1:00 pm—2:15 pm

Repeated

2:15 pm—3:30 pm

- **Welcome by Prof. Rajpal Sodhi**
- **Introduction to ME by Prof. Harry Kountouras**
- **ME Laboratory Tour with demonstrations**

Tour guides: Prof. Harry Kountouras and Ms. Barbara Valenti



See
SAE Mini Baja
all-terrain vehicle

Tour of ME Laboratories

2nd floor of MEC

MEC 219: Computer Aided Design Lab
See How Mechanical Engineers Use Computers In Design

Prof. Herli Surjanhata

MEC 214: Instrumentation Lab
Measurement of Rotation Speed; Signal Filtration; Thermometry; Programmable Logic Control Trainer; Torque Measurement of Bending and Torsion

Prof. Chao Zhu

MEC 232: Materials & Process Lab
Metal microstructures, heat treatment of metals, measuring instruments and precision/computerized machining processes

Prof. Albert Narh

1st floor of MEC

MEC 110: Thermodynamics/Fluids Lab
Air Conditioning and Refrigeration; Wind tunnel; Convective Heat Transfer Apparatus; Transient Heat Flow; Flow rate measurement; Shell/Shell Heat Exchanger

Laser Doppler Velocimetry; Hydraulic Turbine; Centrifugal Pumps in Series and Parallel; Gear Pump; Flow and Hydraulic Impact of a free jet.

Prof. Joga Rao

MEC 114: Engine Lab

Run a computerized performance test on a 4-cylinder automobile engine using a dynamometer in the Internal Combustion Engine Laboratory Mr. Joe Glaz

Mr. Joe Glaz