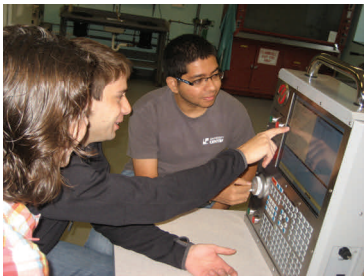




**Computer Aided
Design Laboratory**



**Instrumentation
Laboratory**



Materials & Process Lab.



**Thermodynamics/
Fluids Laboratory**



**Engine
Laboratory**



Mr. Joe Glaz



Prof. Joga Rao



Prof. Harry Kountouras



Prof. Veljko Samardzic



Prof. Balraj S. Mani



Prof. Herli Surjanhata



Prof. Albert Narh



Mrs. Lucie Tchouassi



Mrs. Barbara Valenti



University Heights
Newark, New Jersey 07102
Phone: 973-596-3331
Fax: 973-642-4282

<http://mechanical.njit.edu/>

NJIT
New Jersey's Science & Technology University

NEWARK COLLEGE OF ENGINEERING

Welcome to the Mechanical Engineering

Winter Open House Tours

Sunday, February 23, 2014

1:15 P.M.—3:30 P.M.

Mechanical Engineering Center

Room 221 & 224



Mechanical Engineering Center



Prof. Reggie Caudill, Chair
and Professor of Mechanical and Industrial
Engineering Department



Prof. Kwabena (Albert) Narh,
Associate Chair for Undergraduate Studies

Academic Fair

11:00 am—1:00 pm

Naimoli Family Athletic and Recreational Facility

Prof. B. Mani, Prof. A. Narh, Prof. J. Rao,
Prof. V. Samardzic, Mrs. L. Tchouassi, ASME,
Pi Tau Sigma and SAE

Mechanical Engineering

Winter Open House Tour

MEC 221 & MEC 224

1:15 pm—2:15 pm

Repeated MEC 221

2:30 pm—3:30 pm

- Welcome by Prof. Reggie Caudill
- Introduction to ME by Prof. B. Mani and Prof. J. Rao
- ME Laboratory Tour with demonstrations

Tour guides: Prof. B. Mani and
Lucie Tchouassi



Meet SAE students and see the SAE Baja Vehicle
in room MEC 216

Tour of ME Laboratories

2nd floor of MEC

MEC 219: Computer Aided Design Lab

See How Mechanical Engineers Use
Computers and 3D Printers In Design

Prof. Herli Surjanhata

MEC 214: Instrumentation Lab

Measurement of Rotation Speed; Signal
Filtration; Thermometry; Programmable
Logic Control Trainer; Measurement of
Bending and Torsion

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. Veljko Samardzic

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