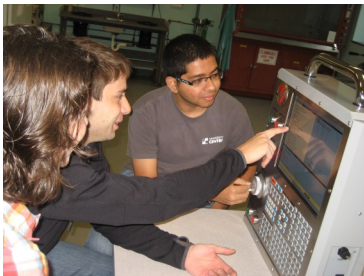




**Computer Aided
Design Laboratory**



**Instrumentation
Laboratory**



Materials & Process Lab.



**Thermodynamics/
Fluids Laboratory**



**Engine
Laboratory**



Mr. Joe Glaz



Prof. Veljko Samardzic



Prof. Harry Kountouras



Prof. Jaskirat Sodhi



Prof. Balraj S. Mani



Prof. Herli Surjanhata



Prof. Albert Narh



Mrs. Lucie Tchouassi



Prof. Joga Rao



Mrs. Barbara Valenti



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

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

NJIT
New Jersey's Science & Technology University

NEWARK COLLEGE OF ENGINEERING

Welcome to the Mechanical Engineering

Fall Open House Tours

Sunday, November 16, 2014

1:30 P.M.—3:45 P.M.

Mechanical Engineering Center

Room 221 & 224



Mechanical Engineering Center



Prof. I. Joga Rao, Interim Chair and Professor of Mechanical and Industrial Engineering Department



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

Academic Fair

Naimoli Family Athletic and Recreational Facility

10:30 am—12:30 pm Academic & Student Services Fair

Theater

12:45 pm — 1:15 pm Dean Moshe Kam will speak to students and parents interested in engineering

Naimoli Family Athletic and Recreational Facility

Prof. A. Narh, Prof. J. Rao, Prof. J. Sodhi, Mrs. L. Tchouassi, ASME, Pi Tau Sigma and SAE

Mechanical Engineering

Fall Open House Tour

MEC 221 & MEC 224

1:30 pm—2:30 pm

Repeated MEC 221

2:45 pm—3:45 pm

- Welcome by Prof. Joga Rao
- Introduction to ME by Prof. Harry Kountouras and Prof. Balraj Mani
- ME Laboratory Tour with demonstrations

Tour guides: Harry Kountouras
Lucie Tchouassi, Barbara Valenti,
Sara Ibrahim



Meet SAE students and see the SAE Baja Vehicle

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. Jaskirat Sodhi

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.

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