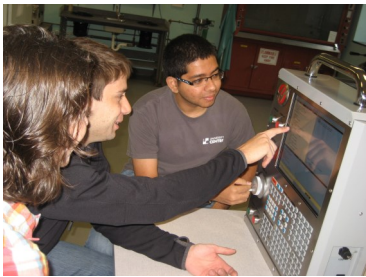




**Computer Aided
Design Laboratory**



**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



New Jersey's Science &
Technology University

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 22, 2015

11:00 A.M.—1:00 P.M.

Mechanical Engineering Center

Room 221, 224 & 214



Mechanical Engineering Center



Prof. I. Joga Rao, 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

8:30 am—10:30 am Academic & Student Services Fair
Gymnasium

10:30 am — 11:00 am 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. V. Samardzic, Prof. J. Sodhi, Mrs. L. Tchouassi, ASME, Pi Tau Sigma and SAE

Mechanical Engineering

Fall Open House Tour

MEC 221, MEC 224 & MEC 214

11:00 am—12:00 pm

Repeat

12:00 pm—1:00 pm

Introduction to ME by Prof. Veljko Samardzic and Prof. Jaskirat Sodhi

- Questions and Answers by Lucie Tchouassi and Student Chapter Leaders
- ME Laboratory Tour with demonstrations
Tour guides: Lucie Tchouassi and Barbara Valenti



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. Veljko Samardzic

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