



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



Mrs. Gina Michele



Mrs. Lucie Tchouassi



Prof. Albert Narh



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

Spring Open House Tours

Sunday, April 23, 2017

11:00 A.M.—12:00 P.M.

Repeat

12:00 P.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

Mechanical Engineering

Winter 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. Balraj Mani and

Prof. Veljko Samardzic

- Questions and Answers by Gina Michele and Student Chapter Leaders
- ME Laboratory Tour with demonstrations
Tour guides: Gina Michele 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

Dr. 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.

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