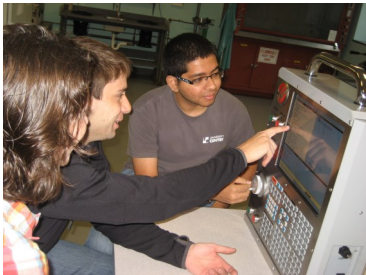




**Computer Aided  
Design Laboratory**



**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



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**NEWARK COLLEGE OF ENGINEERING**

# Welcome to the Mechanical Engineering

## Fall Open House Tours

**Sunday, November 20, 2016**

**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

### 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. Balraj Mani

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



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 Filtra-  
tion; Thermometry; Programmable Logic Con-  
trol Trainer; Measurement of Bending and  
Torsion

#### **MEC 232: Materials & Process Lab**

Metal microstructures, heat treatment of met-  
als, measuring instruments and  
precision/computerized machining  
processes

Dr. Albert Narh

### **1st floor of MEC**

#### **MEC 110: Thermodynamics/Fluids Lab**

Air Conditioning and Refrigeration; Wind tun-  
nel; Convective Heat Transfer  
Apparatus; Transient Heat Flow; Flow rate  
measurement; Shell/Shell Heat Exchanger  
Laser Doppler Velocimetry; Hydraulic  
Turbine; Centrifugal Pumps in Series and Paral-  
lel; 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