



Gujarat Technological University

Invitation for Faculty Members & Students

Two Day Workshop

On

Pico/Nano/Micro-Satellites (PNMSats)

By: Dr. Sharan Asundi

Aerospace Science Engineering Department,
Tuskegee University, USA

Date: 10 – 11 July, 2015 | Time: 10:00 am onwards

Venue: Conference Hall, Gujarat Technological University,
Chandkheda, Ahmedabad

Registration is mandatory and free on first come first serve basis.

Please register through the online link given below.

<http://goo.gl/forms/y5KgWci7Ur>

Workshop Outline:

Date: 10th July, 2015, Fri 10:00 am onwards

- Orbital Mechanics
- Presentation on tracking a satellite & decoding images
- Earth station simulation & receiving satellite data

Date: 11th July, 2015, Saturday

- Introduction to Small Satellite Subsystem
- Sizing of a small satellite
- Applications of small satellites

Resource Person:

Dr. Sharan Asundi is an Assistant Professor in the Aerospace Science Engineering department at Tuskegee University, which is the first and only historically black institution of higher learning to offer an accredited BS degree program in this field. He has collaborated with NASA Goddard Space Flight Center to conduct research in the field of small satellites. He is actively pursuing support from NASA, AFRL, NSF and other organization supporting research in aerospace. Most recently, he has proposed (to NSF) to develop a 6U CubeSat in collaboration with University of Florida, NASA and Maryland Aerospace Inc to advance the understanding of upper atmospheric composition. He has sought funds from AFRL to set up a magnetic coil test facility at Tuskegee University to research the design and development of magnetically clean compact satellites. Rockwell Collins has approved funding to develop an Amateur Ground Station at Tuskegee University.

For more information Contact: Mr. Naresh Jadeja, Dy. Director (Email: deputy_dir2@gtu.edu.in) or Ms. Nidhi Thakore (Email: adm_nidhi@gtu.edu.in)