Control, Robotics, Finite Element Analysis

Lead Faculty:
Dr. Shield Lin  TEL: (936) 261-9958  Email: shlin@pvamu.edu

Research Interest:
Dynamics and Control of Robotics; Finite Element Analysis on Structure.

Design of a wireless remote controlled lunar robot for constructing a permanent base on the Moon.

A prototype was built and tested in a sand pool which simulates the surface of the Moon.

A model of controlling flexible robotic arm was developed with pole-clustering and disturbance rejection algorithms.

Finite Element Analysis on small and large structures under static and dynamic loads.