

ECE 7590: Microelectromechanical Sys

Principles, applications, and engineering of micro- electromechanical systems. Various MEMS designs and fabrication technologies are studied that are currently employed in a wide range of devices for actuation, sensing, micro-fluid manipulations, and RF and optical applications. Projects using MEMS device layout and simulation tools. Laboratory exercises with simple MEMS actuating devices.

Credits: 3.0

Prerequisites:

ECE 3500