

SE&T Colloquium Series-Winter 2019

Speaker	Dr. Annamalai Pandian Department of Mechanical Engineering
Title	<i>Machine Vision and Robotics</i>
Abstract	<p>With the demands of quality management and process control in the industry, machine vision is becoming an important tool to improve inspection quality and speed. Machine vision is the automatic extraction of information from digital images for process or quality control. The research work presented here is based on faculty led undergraduate student “hands-on” research sponsored by a university grant. A vision guided robot (VGR) is programmed using machine vision tool to make the quality control decision by picking the good part from the bad parts based on image processing criteria. The gear models, robot programming software, hardware setup, and vision tool software are presented in this research study. The vision guided robot performed the quality control function consistently. This research work findings were accepted for publication and presentation in an International conference in March 2019.</p>
Date	Tuesday, February 26
Time	4:10-5:00pm
Place	Pioneer 240
	Refreshments will be served at 4:00pm.