

Michigan State University
College of Engineering; Dept. of Electrical and Computer Eng.
ECE 480 Capstone Design Course Project Charter

Sponsoring Company/ Organization:

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Robotic inspection of Archaeological sites

This project will involve use of spatial Gaussian processes to model three-dimensional structures (archaeological sites) and design of motion planning algorithms for adaptive sampling to learn these structures and detect any damage. The project will require the students to learn some aspects of machine learning, statistical decision theory, and robotic motion planning.