



## **FACULTY MENTOR**

Schurgers, Curt

## **PROJECT TITLE**

Engineers for Exploration

## **PROJECT DESCRIPTION**

Engineers for Exploration, or E4E, (<http://e4e.ucsd.edu>) is a one of kind program promoting multidisciplinary and collaborative research projects with the broad goals of protecting the environment, studying wildlife, uncovering mysteries related to cultural heritage, and providing hands-on learning experiences. We team student engineers with scientists from a wide range of disciplines to create innovative technologies that are deployed around the world. Our projects have seen us collaborate with scientists at San Diego Zoo Global, the Atlantic World Marine Archeology Research Institute, the Hubbs SeaWorld Research Institute, USC Archaeology, the California Wolf Center, and National Geographic. Our goal is to develop prototype systems that are then jointly deployed in the field, providing the engineers with the real constraints of practically deployable systems and the domain scientists with the new technological tools they critically need.

## **INTERNS NEEDED**

5 students total (at least 2 BS students).

## **PREREQUISITES**

Students should have very significant system building experiences. This could be for example working with robotics, embedded software (e.g. Arduino, Raspberry Pi), electronics, machining, etc.