Senior Design Team 1: Optical (Laser) Communications Low-Cost Payload

Product Vision

Design, manufacture, and demonstrate a low-cost (under 2000 USD), battery-powered optical communication system that could be used on small-satellite payloads. The system will have a sensor that generates data, which is transmitted with an optical transmitter. The transmitter will have a seek function to initiate contact with a receiver. The system’s receiver containing an optical sensor, will display and save the data from the transmitter.