

Unmanned Maritime Robotics

This project aims to develop a maritime vehicle which can achieve autonomous cruise over the sea. It serves as both a landing platform and a power charging station for the UAV and submarine. To achieve these, the main tasks include the hardware construction, system modelling, controller design, development of a path planning algorithm, and object avoidance, whereas bring up foresee challenges such as how to make the system robust and stable enough to navigate in any uncertain maritime environment, and the seamless cooperation between multiple vehicles.

