Department of Ocean Engineering

Seminar

Navigation in the 90’s: GPS Satellite Navigation

by

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Abstract

Where are we? Accurate navigation has been a continuing problem from early explorers, through Captain Cook and to the present. The primary method of navigation today is through the US Military’s Global Positioning Satellite (GPS) network. This presentation will explain, from a user’s point of view, how it works.

Makai Ocean Engineering has been involved in the development of a GPS-based attitude sensor that uses the GPS satellite carrier waves to determine precisely the relative positioning of multiple GPS antenna positions. The methodology of this process will be presented as well as the results of the attitude sensor’s tests on the Moana Wave.