

Development of a Profiling Float for Coastal Applications and Technology Development in a Cross-Cultural Environment

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3:00-3:30 pm Coffee Hour

3:30-4:30 pm Seminar

Abstract

Profiling floats have been used successfully in a variety of Oceanographic applications. For example, the Argo program has deployed and maintains a global array of floats that have been making temperature and salinity profiles in the deep water of the world's oceans every 10 days for more than 10 years. The Chemical Sensors Lab at MBARI has been working on pH and Nitrate sensors to extend the capability of Argo floats and is currently developing a new float platform optimized for coastal applications. This talk will cover progress to date on the new platform design. In addition, some observations about the process of developing technology in a research environment that mixes both science and engineering cultures will be discussed.

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