



MTS President Rick Spinrad . . .

- ◆ NOAA Chief Scientist appointed by President Obama
- ◆ VP for Research, Oregon State University
- ◆ Led NOAA's Office of Oceanic and Atmospheric Research
- ◆ Head of the National Ocean Service
- ◆ Research director with the U.S. Navy
(Office of Naval Research and Oceanographer of the Navy)

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Seminar Notice

Dr. Richard W. Spinrad

“The Push and Pull of Marine Technology”

Thursday, October 17 at 10:00 a.m.

The evolution of marine technology is characterized by a balance of “requirements pull” and “capabilities push”. The most obvious driver for scientific/engineering advancement is the need for enhanced performance, in terms of cost, efficiency and safety. To this end, the traditional maritime industries and applications (e.g. oil and gas exploration, commercial fishing, marine transport, etc.) have fostered improvements in a range of areas such as dynamic positioning, acoustic sensors, imaging techniques, and data management.

In parallel, seemingly disparate technological communities are providing innovative opportunities for exploitation in marine applications. Examples include advanced materials, genetic probes, and compressive sensing. Coupled with developments of a “New Blue Economy”, and the role of technological disruptions, we have an exciting era for defining the trajectory of marine technology.