



## **Dr. John Toole**

**Woods Hole Oceanographic Institution**  
**Woods Hole, MA, USA**

# **"Moored observations of the Deep Western Boundary Current in the NW Atlantic: 2004-2014"**

### **Abstract:**

In the water from 2004 to 2014, the Line W program of moored and repeated ship-based measurements returned observations of the Deep Western Boundary Current (DWBC) and Gulf Stream southeast of Cape Cod at high spatial and temporal resolution. These data support estimates of the time-averaged DWBC transport (partitioned by water mass) at the beginning of the 21<sup>st</sup> century and, in conjunction with satellite altimetric observations, facilitate characterization of the modes of DWBC variability. These findings relate to past and on-going measurement programs in the subpolar North Atlantic by IfM/GEOMAR investigators and continue the tradition of ocean observations championed by Prof. Friedrich (Fritz) Schott, in whose memory this lecture is given.

**Wednesday, 15 June, 2016**

**Time: 3:00 pm**

**Location: GEOMAR, lecture hall (west shore)**

### **Organization:**

Prof. Peter Brandt, Ocean Circulation and Climate Dynamics, Dep. of Physical Oceanography