

# THE PARLIAMENTARY AND SCIENTIFIC COMMITTEE

AN ASSOCIATE PARLIAMENTARY GROUP

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## MEETING OF THE COMMITTEE

on **TUESDAY, 9<sup>th</sup> FEBRUARY 2010 AT 5.30 pm**

**IN THE GRAND COMMITTEE ROOM, WESTMINSTER HALL\***

(Please recheck the room allocation on <http://www.scienceinparliament.org.uk> on the day)

## **INNOVATIVE MARINE ENGINEERING AND SCIENCE – ARE WE SWIMMING OR SINKING?**

Addresses by

**Colin Summerhayes**

**President, Society for Underwater Technology**

**The Institute of Marine Engineering, Science & Technology IMarEST**

**Professor Peter Liss FRS**

**University of East Anglia**

**The Institute of Marine Engineering, Science & Technology IMarEST**

## **How Will the Global Marine Environment Respond to Increasing Economic Demands and Negative Environmental Impacts?**

### **Marine Technology faces fresh challenges:**

1. Offshore sources of Renewable Energy; Shift to Deeper Water Drilling and Recovery of Oil and Gas.
2. Improved Ship Safety; Pollution Control; Navigation.
3. Increased Demands for Marine Fisheries.
4. Managed Retreat of Coastlines; Coastal Defences required.
5. Growth of New Science of Operational Oceanography & Information Markets.
6. Increased Demand for Ocean Observations, Especially Climate Change Monitoring & Forecasts of Future Change & New Technology.
7. Remote Sensing by Satellite of Salinity Measurement now available.
8. Coastal Leisure is a Growth Industry; Population Drift Towards Coastal Regions.
9. Arctic Ocean Opened to Oil and Gas Exploration & Exploitation; Increased Territorial Claims under Law of the Sea.
10. Education & Training in Marine Science & Technology.

### **Marine Science**

**CO<sub>2</sub> is Main Man-Influenced Greenhouse Gas; a significant amount enters Oceans  
Thereby Significantly Reducing Atmospheric CO<sub>2</sub>:**

1. Is the Ocean Sink for CO<sub>2</sub> altering and if so at what rate?
2. How Does Ocean Acidification Impact on Ocean Ecosystems?
3. Can Uptake of CO<sub>2</sub> by Oceans Be Aided by Iron Fertilization?

**Come and listen and join in the Debate!**

**IAN TAYLOR MBE MP**

Chairman

**The Meeting will be followed by an informal reception in the Club Room,  
1 Parliament Street**

\*Westminster Hall can be accessed via the Cromwell Entrance to the House of Commons

