

**SSEC/CIMSS
Seminar**

MERVYN LYNCH

**Professor of Remote Sensing
Department of Imaging and Applied Physics
Curtin University of Technology
Perth, Western Australia**

Update on Marine Remote Sensing in Western Australia

The revised Law of the Sea territorial classification reveals Australia now comprises more ocean than land. The obligation to actively invest in stewardship of the ocean component combined with intense offshore oil and gas exploration, particularly in the NW region of the country, has generated a strong focus on marine research. Tropical cyclones add a challenging dimension to offshore engineering and resource production in this region.

Apart from the use of environmental satellites (e.g. NOAA, MODIS, MERIS) to monitor the long term variability in the marine environment, the presentation will provide an update on our research into the retrieval of shallow water bathymetry (~ 20 - 30 m), water column spectral attenuation coefficient and a benthic cover classification using airborne hyperspectral sensing. Case studies of the Ningaloo Reef, a World Heritage site on the mid-west coast and parts of the remote Kimberley coastal region of WA will be reviewed.

Friday, 11 December 2009

11:00 a.m.

Room AOSS 351