

# **Advanced Study Program Seminar**

**Wednesday, February 15<sup>th</sup>, 2005** at 11 a.m.

Foothills Laboratory, FL2, Room 1022

Refreshments at 10:30 am

***Susan Solomon***

**Senior Scientist**

**Chemical Sciences Division, NOAA Boulder**

## **Stratospheric Ozone Depletion: What's New and How Can It Link to Climate**

Since its discovery in 1985, the ozone hole has been the subject of intense interest by scientists, policymakers, and the public. The background to this phenomenon will be briefly discussed, with a view to providing an update on current understanding of Antarctic ozone depletion. Recent studies have emphasized the key role of ozone in cooling the Antarctic stratosphere, and the possibility of linkages between changes in stratospheric and tropospheric climate has become a matter of increasing scientific interest. Recent studies relating Antarctic climate change to ozone depletion will be discussed, and compared with the Arctic, as well as new information on other latitudes, especially the tropics.