

UNIVERSITY OF TEXAS AT DALLAS - DEPARTMENT OF PHYSICS**Colloquium**

Wednesday, September 10, 2008; 3:30-4:30 PM

TI Auditorium ECSS 2.102

Refreshments will be served at 3:00 PM

Global Warming, Facts and Fallacies

Prof. Brian Tinsley

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There are good theoretical reasons, illustrated by models, to expect continued global warming for the rest of this century, but the rapid rise in global mean temperature (about 0.8°C since the 19th century) ceased about 2000, and it has been relatively stable since then. This points to the importance of natural climate variations, including those due to solar activity, being comparable to the trend in the anthropogenic (human induced) ones, and/or the inability of the models to account for feedback effects, particularly those due to changes in cloud cover.

An attempt to evaluate dangers and benefits, while avoiding alarmism and denial, will be made.

