

## Graeme L. Stephens

### Education

University of Melbourne, Australia

B.S. Degree w/honors, 1973

Ph.D. Degree 1977

### Positions Held

**Director, Center for Climate Sciences,** 2010 (Sept)-present

**Jet Propulsion Laboratory, California Institute of Technology**

**University Distinguished Professor, Emeritus** (present)

**Department of Atmospheric Science, Colorado State University Fort Collins, Colorado**

**CIRA Director** 2008-2010

**Cooperative Institute for Research in the Atmosphere,** Colorado State University, *Fort Collins, Colorado*

**University Distinguished Professor** 2005-2010

**Department of Atmospheric Science, Colorado State University Fort Collins, Colorado**

**Professor** 1991-2005

**Department of Atmospheric Science, Colorado State University Fort Collins, Colorado**

**Associate Professor** 1984-1991

**Department of Atmospheric Science, Colorado State University Fort Collins, Colorado**

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### Research Interests:

Professor Stephens has made major research contributions in three related areas; atmospheric radiative transfer, remote sensing and cloud climate feedbacks. He has published over 200 peer reviewed publications, a text book on remote sensing, has a citation count of over 15000 and a H-index of 56 (Google Scholar). His research on the interactions between solar and infrared radiation and the terrestrial atmosphere has led to clearer understanding of the energy budget of Earth and how it relates to the planets hydrological cycle. He has served as principal investigator the NASA CloudSat mission that has pioneered Earth observations of clouds and precipitation

### Honors/Positions

Currently the co-Chair of the Scientific Steering Group (SSG) for the Global Energy and Water Exchanges (GEWEX) project of the World Climate Research Programme (WCRP). Fellow of the American Meteorological Society, the American Geophysical Union, and American Association for the Advancement of Science. Past editor-Journal of the Atmospheric Sciences and the Journal of Geophysical Research. Past chairman of a number of national and international committees including: the AMS Committee on Atmospheric Radiation, WMO Joint Scientific Committee Working Group on Radiation Fluxes, Chairman of the GEWEX radiation panel, and Chairman of the AMS ARA Awards Committee. Recipient of the American Meteorological Society's Houghton and Jule Charney Awards, the CSU Halliburton New Faculty Research Award, the CSU Abel Outstanding Faculty Research Award and in 2008, the IAMAS IRC Gold Medal for career contributions to radiation sciences and was the Jule Charney Lecturer at AGU, fall 2011. Professor Stephens also received the NASA Rotary Stellar Award, the NASA Exceptional Public Service Medal, and multiple NASA Group Achievement Awards.

### Publications;

Authored over 250 peer reviewed publications and author of a text book on remote sensing.