

ROBERT E. DICKINSON
CURRICULUM VITAE

DICKINSON, Robert E......Professor
Jackson School of Geosciences
Department of Geological Sciences
The University of Texas at Austin

Educational Background:

Ph.D.Meteorology, 1966, Massachusetts Institute of Technology
M.S.Meteorology, 1962, Massachusetts Institute of Technology
B.A.Chemistry and Physics, 1961, Harvard University

Employment History:

Professor: University of Texas at Austin, TX Jackson School of Geosciences, Dept. of Geological Sciences	2008 – present
Professor: Georgia Institute of Technology, Atlanta, GA Endowed Chair, Georgia Power/Georgia Research Alliance	1999- 2008
Regents Professor: University of Arizona, Tucson, AZ Department of Atmospheric Sciences Institute of Atmospheric Physics Department of Hydrology and Water Resources Laboratory of Tree Ring Research	1993-1999
Professor: University of Arizona, Tucson, AZ Department of Atmospheric Sciences Institute of Atmospheric Physics Department of Hydrology and Water Resources Laboratory of Tree Ring Research	1990-1993
Deputy Director: NCAR, Boulder, CO Climate and Global Dynamics Division (formerly, Atmospheric Analysis and Prediction Division)	1981-1990
Head: NCAR, Climate Section, Boulder, CO	1975-1981
Scientist: NCAR, Boulder, CO	1968-1975
Research Associate: MIT, Cambridge, MA	1966-1968

Current Research Interests:

Global Change, Climate Modeling, Remote Sensing, Tropical Deforestation, Interaction of Terrestrial and Atmospheric Hydrological Processes, and Drought.

Teaching Experience:

The University of Texas at Austin

Fall	2010	GEO 391	Climate Systems Discussion	5 students
Spring	2010	GEO 391	Climate Systems Discussion	
Fall	2009	GEO 391	Climate Systems Discussion	6 students

Georgia Institute of Technology

Spring	2008	EAS8803	Land/Atmosphere Interactions	4 students
Spring	2008	EAS6132	Intro to Climate Change	13 students
Spring	2007	EAS6512	Dynamic Meteorology	10 students
Spring	2007	EAS6793	Atmospheric Boundary Layer	2 students
Spring	2006	EAS6132	Intro to Climate Change	5 students
Spring	2006	EAS8803	Land-Atmosphere Interactions	4 students
Spring	2005	EAS6512	Dynamic Meteorology	6 students
Spring	2005	EAS 6793	Atmospheric Boundary Layer	5 students
Spring	2004	EAS 6793	Atmospheric Boundary Layer	6 students
Spring	2003	EAS 6512	Dynamic Meteorology	16 students
Spring	2003	EAS 6132	Intro to Climate Change	14 students
Spring	2002	EAS 6132	Intro to Climate Change	6 students
Spring	2001	EAS 6132	Intro to Climate Change	4 students
Fall	2000	EAS 6111	The Earth System	27 students
Spring	2000	EAS 4602/6122	Biogeochemical Cycles	17 students
Spring	2000	EAS 6132	Intro to Climate Change	7 students

Current Research Grants and Contracts:

Title: **Systematic Development of a Sub-grid Scaling Framework to Improve Land Simulation**

Agency: DOE - Department of Energy

Contract No. DE-FG02-01ER63198

PI: Robert Dickinson

Amount of support: \$1,215,340

For the period of: 01-Sep-2007 -- 31-Aug- 2011*

9/09 OSP – Proposed 200802585, \$965,130.00

Title: **Improving the Coupling between Soil Moisture and Precipitation over North America through Integrated Observational and Modeling Approaches**

Agency: NOAA

Contract No. NA070AR4310272

PI: Robert Dickinson

Amount of support: \$242,623

For the period of: 1-August-2009 -- 31-May-2011

9/09 OSP–Proposed 200802713, Acct. 26245133, \$231,581.00

Title: **The Role of Vegetation, Aerosols & Surface Fluxes for Land-Atmosphere Feedbacks**
Agency: NSF
Contract No. ATM-0720619
PI: Robert Dickinson
Amount of support: \$844,006
For the period of: 1-August-2008 --- 30-Jun-2011
9/09 OSP-Proposed 200802586, ATM-0921898, Amd. 1, Acct. 26113145, \$242,208.00

Title: **The Role of Vegetation, Aerosols & Surface Fluxes for Land-Atmosphere Feedbacks**
Agency: NASA
Contract No.
PI:
Amount of support:
For the period of:

Past Research Grants and Contracts:

Title: **Assess Global and Regional Land Surface Skin Temperature Variations: Uncertainties, Mechanisms, and differences from 2M Surface Temperature**
Agency: NSF/Sub-Contract with University of Maryland
Contract No. ATM-0701440
Amount of Support: \$28,890.00
For the period of: 01-Sept-2008 – 31-Aug-2008

Meetings and Symposia:

Sep. 1999 CLIVAR Meeting, Gaithersburg, MD
Oct. 1999 GSFC Seminar, Greenbelt, MD
Nov. 1999 C4 EPA Meeting, San Diego, CA
Jan. 2000 CSM Scientific Steering Committee Meeting, Boulder, CO
Feb. 2000 Infrastructure Meeting, NCAR, Boulder, CO
Feb. 2000 CLIVAR SSC-5 Meeting, SIO, LaJolla, CA
Apr. 2000 EOS-IWG Meeting, Tucson, AZ
May 2000 AGU Leadership Conference, Leesburg, VA
June 2000 CLIVAR Pan American Implementation Panel Meeting, Portland, OR
June 2000 5th Annual CCSM Workshop, Denver, CO
Aug. 2000 CLIVAR SSC Meeting, Seattle, WA
Sep. 2000 US CLIVAR Pan American PI Meeting, Washington, DC
Oct. 2000 14th Toyota Conference, Tokyo, Japan (Invited)
Oct. 2000 Climate Diagnostics and Prediction Workshop, Palisades, NY
Nov. 2000 IDS/EOS Meeting, Boulder, CO
Nov. 2000 COLA SAC Meeting, Calverton, MD

Nov.2000 ISLSCP Mid-Course Workshop, Greenbelt, MD
 Nov.2000 CLIVAR US Implementation Meeting, Chicago, IL
 Dec.2000 C4-EAP Meeting, LaJolla, CA
 Dec.2000 AGU Fall Meeting, San Francisco, CA
 Jan. 2001 81st Annual AMS & CLIVAR Meeting, Albuquerque, New Mexico
 Jan. 2001 SSC Meeting, Boulder, CO
 Jan. 2001 EOS-IWG Meeting, Ft. Lauderdale, FL
 Feb. 2001 NASA-CAN NASA Peer Review Panel (Invited)
 Feb. 2001 2001 AAAS Annual Meeting, San Francisco, CA
 Mar.2001 US CLIVAR SSC Meeting, Washington, DC
 Mar.2001 EOS IDS Team Meeting, CalTech, Pasadena, CA
 Mar.2001 AIP Spring Meeting, College Park, MD
 Apr. 2001 AGU Executive Committee Meeting, Washington, DC
 Apr. 2001 National Academy of Sciences Annual Meeting, Washington, DC
 May 2001 AGU Executive Committee, 2001 Spring Meeting, Boston, MA
 May 2001 NAS - Science of Climate Change Committee Meeting, Irvine, CA
 Jun. 2001 Committee on the Science of Climate Change Mtg w/ Chairman Boehlert, Washington, DC (Invited)
 Jun. 2001 NOAA -Monsoon Applications & Human Dimensions Workshop, Tucson, AZ (Invited)
 Jun. 2001 6th Annual CCSM Workshop, Breckenridge, CO
 July 2001 IAMAS 2001 Conference, Innsbruck, Austria (Invited)
 Aug.2001 CRC Workshop, NRC Council, Boulder, CO
 Sep. 2001 4th International Scientific Conference on Global Energy and Water Cycle GEWEX Conference, Paris, France (Invited)
 Sep. 2001 CAS-TWAS-WMO Forum, First International Symposium on Physico-Mathematical Problems Related to Climate Modeling Prediction, Beijing, China (Invited Speaker)
 Oct. 2001 2001 Climate Change Prediction Program Meeting (CCPP), San Diego, CA
 Oct. 2001 UCAR 2001 Meeting, Boulder, CO
 Oct. 2001 Geoscope Workshop, Berlin, Germany (Invited Speaker)
 Oct. 2001 AGU Meeting, AGU Headquarters, Washington, DC
 Oct. 2001 AIP Governing Meeting, Rochester, NY
 Oct. 2001 EOS-IWG Meeting, San Antonio, TX
 Nov.2001 Seminar Leader, University of Delaware (Invited)
 Nov.2001 Seminar Presentation – “Data Needed for Land Component of Climate System Models, Newark, DE
 Nov.2001 CCSM-SSC Meeting at NCAR, Boulder, CO
 Dec. 2001 US CLIVAR SSC-8 Meeting, Princeton, NJ
 Dec. 2001 CJP-SSC Meeting, San Francisco, CA
 Dec. 2001 AGU Fall Meeting, San Francisco, CA
 Jan. 2002 SciDAC-PI Meeting (DOE Grant), Reston, VA
 Jan. 2002 GEWEX-SSG Meeting, Reading, UK (Invited Speaker)
 Jan. 2002 CUAHSI Science Workshop, Atlanta, GA
 Jan. 2002 2002 AAAS Annual Meeting, Boston, MA
 Jan. 2002 COLA SAC Meeting, Calverton, MD
 Mar.2002 AGU Executive Committee Meeting, LaJolla, CA
 Mar.2002 World Climate Research Programme-JSC 23rd Session Hobart, Tasmania, Australia (Invited Speaker)
 Mar.2002 BGC & Land WG Meetings, Denver, CO
 Mar.2002 NASA-IDS Group Meeting, Boulder, CO
 Apr. 2002 4th Carbon Cycle SSG Meeting, Bethesda, MD

Apr. 2002 139th NAS Annual Meeting, Washington, DC

May 2002 2002-2004 Leadership Conference, Leesburg, VA

May 2002 2002 AGU Spring Meeting, Washington, DC

Jul. 2002 2nd International LBA Science Conference, Manaus, Amazonas, Brazil (Invited)

Jul. 2002 SSC Meeting - US CLIVAR, Boulder, CO

Aug. 2002 International Workshop on the Air-Land Interaction in Arid and Semi-Arid Areas and Its Impact on Climate (IWALI) Dunhuang-City, China

Sep. 2002 3rd Annual Series of Blue Skies – “Energy, Today and Tomorrow” GA Tech Campus, College of Engineering

Sep. 2002 Oak Ridge National Laboratory – Global Change Research Advisory Panel, Oak Ridge, Tennessee

Sep. 2002 CAS-TWAS-WMO Forum – 2nd International Symposium, Shanghai, China (Invited)

Oct. 2002 2002 NAE Annual Meeting, Washington, DC

Oct. 2002 MODLAND Workshop, Boston University, Boston, MASS

Oct. 2002 US National Committee for IUGG (AGU Ex-Officio) AIP Forum, Williamsburg, VA

Oct. 2002 Ad Hoc Scientific Panel, Columbia University, New York City, NY (Invited)

Nov. 2002 Global Carbon Project 2nd SSC Meeting, Tsukuba, Japan

Dec. 2002 2002 AGU Fall Meeting, San Francisco

Dec. 2002 Pan Am – US CLIVAR Meeting, Albuquerque, New Mexico

Feb. 2003 COLA SAC Meeting, Calverton, MD

Feb. 2003 2003 AAAS Annual Meeting, Denver, CO

Mar. 2003 WMO/ICSU/IOC-JSC Meeting, Reading, UK (Invited Speaker)

Mar. 2003 Assembly of Society Officers/ AIP Governing Board Meetings, College Park, MD

Apr. 2003 EGS-AGU-EUG 2003 Joint Assembly, Nice France

Apr. 2003 NAS 140th Annual Meeting, Washington, DC

Jun. 2003 SSC Meeting – 3rd IGBP Congress, Banff, Canada

Jul. 2003 IUGG 2003 – Sapporo, Japan (Invited)

Aug. 2003 US CLIVAR Pan American Panel Meeting – Seattle, Washington

Sep. 2003 EOS Water Cycle Panel Review Meeting - Arlington, VA

Sep. 2003 PAN AM/PACS Meeting – NCAR, Boulder, CO

Oct. 2003 Millennium Ecosystem Assessment (MA) Combined Group Meeting Prague, Czech Republic (Invited)

Oct. 2003 Fall Creek Falls Workshop – High-End Computing in Science & Engineering, Fall Creek Falls State Park Resort, TN (Invited speaker)

Nov. 2003 EOS SWGD Data Access/Visibility Workshop, Greenbelt, MD

Nov. 2003 CLIVAR/PAGES/IPCC Workshop, Tucson, AZ

Dec. 2003 AGU Fall Meeting, San Francisco, CA

Mar. 2004 CCSM-AMWG Meeting, Boulder, CO

Mar. 2004 AGU Executive Committee Meeting, San Diego, CA

Mar. 2004 SciDAC PI Meeting, Charleston, SC

Apr. 2004 AIP Governing Board Meeting, College Park, MD

Apr. 2004 CFMIP Climate Sensitivity & Feedbacks Expert Workshop, Exeter, UK

May 2004 Carbon SSG Meeting, Washington, D. C.

May 2004 2004 Joint AGU-CGU Assembly, Montreal, Canada

Jun. 2004 Symposium on Climate Dynamics & Predictability - COLA 20th Anniversary, Calverton, MD (Invited)

Jul. 2004 Joint AOGS 1st Annual Meeting & APHW 2nd Conference, Singapore, China (Invited)

Jul. 2004 GCP-SSC Meeting, Goa, India (Invited)

Jul. 2004 3rd LBA Scientific Conference, Brasilia, Brazil

Aug. 2004 MODIS Vegetation Workshop, University of Montana, Missoula (Invited)

Sep. 2004 IPCC WG 4th Assessment Report - 1st Lead Author Meeting, Trieste, Italy

Oct. 2004 NAE Annual Meeting, Washington, D.C.

Oct. 2004 3rd International Symposium of the CAS-TWAS-WMO Forum on Physico-Mathematical Problems Related to Climate Modeling (Invited)

Oct. 2004 CCPP PI Meeting, Seattle, WA

Oct. 2004 AIP Governing Board Meeting, Yorktown Heights, NY

Oct. 2004 CPPA FY05 Proposal Review Panel Meeting, Silver Spring, MD

Nov. 2004 University of Texas at Austin - Presented Seminar (Invited)

Nov. 2004 NASA Project Team Meeting, University of Maryland Conference Center, College Park, MD

Nov. 2004 Workshop on EOS Snow & Ice Products, Greenbelt, MD

Dec. 2004 V. Ramanathan's 60th Birthday Symposium, Scripps Institution of Oceanography, University of California, San Diego, CA

Dec. 2004 AGU Fall Meeting, San Francisco, CA

Feb. 2005 Workshop on Whole Earth Systems: Science Technology & Policy Stanford University, CA

Mar. 2005 Land Model WG Meeting at NCAR

Mar. 2005 NASA Peer Review Panel, Washington, DC

Apr. 2005 AIP Audit Committee Meeting, Washington, DC

Apr. 2005 AIP Governing Board Meeting, College Park, MD

May 2005 WGI IPCC Meeting, Beijing, China

Jun. 2005 Global Carbon Project, 5th SSC of GCP, Paris, France

Jun. 2005 5th International Scientific Conference, GEWEX, Orange County, California

Jul. 2005 Einstein Professor, Chinese Academy of Sciences, Lecturer, Beijing Normal University, Beijing, China

Jul. 2005 Second ISCS Conference (International School on Climate System and Climate Change)

Aug. 2005 International Seminar on Climate Dynamics and Climate Numerical Modeling and 20th Anniversary of National Key Laboratory Modeling for Atmospheric Sciences/Geophysical Fluid Dynamics, Beijing, China

Aug. 2005 IAMAS Scientific Assembly, Beijing, China

Oct. 2005 Symposium to Celebrate 40 years of Climate Research, Georgia Tech, Atlanta, GA

Sep. 2005 National Advisory Board Meeting, LTER Program, Albuquerque, NM

Nov. 2005 CAS-TWAS-WMO Forum, Zhuhai, Guangdong Province, China

Nov. 2005 Atlanta Council of International Relations, Luncheon speaker, "International Perspectives on the Science of Climate Change", Atlanta, GA

Dec. 2005 IPCC WGI 4th Assessment Report 3rd Lead Authors Meeting, Christchurch, New Zealand

Jan. 2006 86th Annual AMS Meeting, Atlanta, GA

Feb. 2006 NCAR Board of Trustees Meeting, Boulder, CO

Mar. 2006 NRC Surface Temperature Reconstructions Meeting, Washington, DC

Mar. 2006 International Research Institute for Climate and Society (IRI), Columbia University, New York City, (Invited speaker)

Mar. 2006 University of Texas at Austin, (Invited Speaker)

Mar. 2006 NRC Surface Temperature Reconstructions 2nd Meeting, Washington, DC

Apr. 2006 AIP Audit Committee Meeting, College Park, MD

Apr. 2006 SciDAC Review Panel Meeting, Washington, DC

Apr. 2006 CCPP (Climate Change Program Prediction) Meeting, Cambridge, MA

May 2006 AIP 75th Anniversary & Governing Board Meeting

May 2006 UCAR Board of Trustees Meeting & Personnel Committee Meeting, at NSF, Arlington, VA

May 2006 AGU Joint Assembly Meeting, Baltimore, MD
 Jun. 2006 CCSP (Climate Change Science Program Committee Meeting, Washington, DC
 Jun. 2006 11th Annual CCSM Workshop, Breckenridge, CO
 Jun. 2006 IPCC WGI – 4th Lead Author Meeting, Bergen Norway
 Jul. 2006 BERAC(Biological & Environmental Research Advisory Committee) Meeting,
 Washington, DC
 Jul. 2006 NCAR Summer Retreat – Water & Biogeochemical Cycles, Boulder, CO
 Jul. 2006 LTER National Advisory Board, Albuquerque, New Mexico
 Jul. 2006 Western Pacific Geophysics Meeting (AGU), Beijing, China
 Aug.2006 CCE Summer School – Modeling of Climate System – Beijing, China (Invited)
 Aug.2006 Joint Workshop on NASA Biodiversity, Terrestrial Ecology & Related Applied
 Sciences, UMD Conference Center, Adelphi, MD
 Aug.2006 BERAC Sub-Committee Meeting, Washington, DC
 Sep. 2006 CCSP- Climate Change Science Program Committee Meeting, Scripps, LaJolla, CA
 Oct. 2006 UCAR Board of Trustees Meeting, Boulder, CO
 Oct. 2006 BERAC Meeting, Washington, DC
 Oct. 2006 NAE – Section 12 Meeting, Washington, DC
 Nov.2006 MODIS Science Team Meeting, UMD Conference Center, Adelphi, MD
 Nov.2006 Colorado State University (Invited Speaker), Fort Collins, CO
 Nov.2006 Advanced Training Workshop, Taiwan, ROC
 Nov.2006 NRC’s CRC (Climate Research Committee) Meeting & CRC 25th Anniversary
 Dec. 2006 AGU Fall Meeting, San Francisco, CA
 Jan. 2007 CCSP Committee Meeting, Denver, CO
 Feb. 2007 ARM Facility Review Meeting (DOE), Washington DC Area
 Feb. 2007 UCAR Board of Directors Meeting, Boulder, CO
 Feb. 2007 UCAR Board of Directors Personnel Committee Meeting, Boulder, CO
 Feb. 2007 COLA SAC Meeting, Calverton, MD
 Mar.2007 2007 LTER National Advisory Board Meeting, Arlington, VA
 Mar.2007 NAE Regional Conference, GT Global Learning Center, Atlanta, GA
 Mar.2007 CCSP Meeting, Washington, DC area
 Mar.2007 AIP Audit Committee Meeting (via Conference Call)
 Apr. 2007 LCLUC Science Team Meeting, UMD, Adelphi, MD
 Apr. 2007 AIP Audit Committee Meeting, Washington, DC
 May 2007 UTA Guest speaker (Invited)
 May 2007 BERAC Meeting, Bethesda, MD
 May 2007 UCAR Board of Trustees Meeting, Washington, DC
 May 2007 2007 AGU Joint Assembly, Acapulco, Mexico
 Jun. 2007 CCSP Meeting, Boulder, CO
 Jun. 2007 12th Annual CCSM Workshop, Breckenridge, CO
 Jul. 2007 Beijing Normal University, Beijing, China – Invited Speaker
 Aug.2007 Aspen/Eurasis Workshop – AGCI, Aspen, CO
 Aug.2007 Speaker at the GA State Capitol before the House Energy, Utilities and
 Telecommunications Committee, House of Representatives, “Global Warming, Fact or
 Fiction?” (Invited)
 Sep. 2007 CAPP Meeting, Indianapolis, Ind.
 Oct. 2007 UCAR Board of Trustees Meeting, Boulder, CO
 Oct. 2007 ACPC (Aerosol-Cloud-Precipitation-Climate Workshop, Denver, CO
 Nov.2007 Beijing Normal University, Beijing, China – Invited Speaker
 Nov.2007 BERAC Meeting at AGU, Washington, DC
 Dec. 2007 COLA SAC Meeting, Calverton, MD
 Dec.2007 AGU Fall Meeting, San Francisco, CA

Jan. 2008 CCSP Meeting, Irvine, CA
 Jan. 2008 Kennesaw State University Invited Speaker (Global Climate Change)
 Feb. 2008 UCAR Board of Trustees Meeting, Boulder, CO
 Apr. 2009 DOE Climate Change Science Focus Area Meeting, Bethesda, MD
 May 2009 Committee on the Assessment of Intraseasonal to Interannual Climate Prediction and Predictability, Washington, DC
 Jun. 2009 Climate, Statistics and Satellites Symposium, College Station, TX
 Jun. 2009 14th Annual CCSM Workshop, Breckenridge, CO
 Jun. 2009 DOE Climate Change Science Focus Area Meeting, Bethesda, MD
 Jul. 2009 Member of the Scientific Advisory Committee, 2nd International Member SAC Workshop on Energy & Water Cycle over the Tibetan Plateau & High Elevations
 Committee on the Assessment of Intraseasonal to Interannual Climate Prediction and Predictability, Pasadena, CA
 Aug. 2009
 Dec. 2009 AGU Fall 2009 Meeting, San Francisco, CA
 Jan. 2010 NCEAS Meeting, Santa Barbara, CA
 Feb. 2010 NRC Climate Conference, Washington, DC
 Feb. 2010 DOE BERAC Meeting, Washington, DC
 Mar. 2010 DOE BER Grand Challenge Workshop, Washington, DC
 Mar. 2010 DOE Climate Modeling Meeting, Washington, DC
 Apr. 2010 1st Biennial Alberta-Texas Global Climate Forum, Austin, TX
 Apr. 2010 SAC COLA Meeting, Washington, DC
 Apr. 2010 2nd NCEP/NOAA Workshop on Numerical Weather and Climate Modeling
 Apr. 2010 PNAS Editorial Board Meeting, Washington, DC
 Jun. 2010 Roble Symposium, Boulder, CO
 Jun. 2010 CCSM Meeting, Breckenridge, CO
 Jul. 2010 DOE/CESD/COV Meeting, Washington, DC
 Aug. 2010 APS Summer Colloquium, Boulder, CO
 Aug. 2010 Meeting of the Americas, Foz do Iguassu, Brazil
 Sep. 2010 CMAS Meeting, Beijing, China
 Sep. 2010 Mike Wallace Symposium, Seattle, WA
 Nov. 2010 ESS-Land Review Panel, Washington, DC
 Feb. 2011 Committee on a National Strategy: Mtg#1, Washington, DC

Committees - Georgia Tech/UT Austin:

Chair Climate Erg (2009 – present)
 Awards Committee Member (2003-2005; 2006-2008)
 Graduate Studies Committee, Member (1999-2000; 2002-2008)
 Reappointment, Promotion and Tenure Committee, Member Committee for the 3rd Annual Series of Blue Skies, College of Engineering COS, Dean's Advisory Committee on Tenure & Promotion (2002-2003; 2005-2006)
 Computer, Systems & Network Committee (1999-2001)
 EAS School Advisory Committee (2000-2001)
 EAS Search Committee Chair, Atmospheric Dynamics (1999-2001)
 EAS Search Committee Member, Geochemistry (1999-2000)

Honors, Awards, and Recognitions:

Intergovernmental Panel on Climate Change, Received the Nobel Peace Prize (2007)

Georgia Tech Outstanding Faculty Research Author (2006)
Chinese Academy of Sciences, Foreign Member (2006)
Honorary Professor, Beijing Normal University (2005)
Einstein Lectureship, Chinese Academy of Sciences, Institute of Remote Sensing (2005)
Honorary Membership in the European Geosciences Union (2004)
ISI Web of Knowledge, *ISI Highly Cited.com* (2003)
Georgia Research Alliance/Georgia Power, Endowed Chair (2002-2008)
Honorary Membership in the European Geophysical Society (2002)
National Academy of Engineering, Member (2002)
American Geophysical Union; Roger Revelle Medal (1996)
American Meteorological Society, Rossby Award (1996)
G. Unger Vetlesen, Lamont-Doherty Earth Observatory of Columbia University (1995)
Physics Distinguished Achievement Award for Outstanding Publication Contribution (1992)
American Meteorological Society, Jule G. Charney Award (1988)
National Academy of Science, Member (1988)
American Geophysical Union; Fellow (1987)
American Association for the Advancement of Science, Fellow (1984)
American Meteorological Society; Meisinger Award (1973)
American Geophysical Union, Fellow

Professional Societies and Committees:

National Research Council (NRC), Member, Committee on Assessment of Intraseasonal to Interannual Climate Prediction and Predictability
National Research Council (NRC), Report Coordinator, Stabilization Targets for Atmospheric Greenhouse Gas Concentrations
National Research Council (NRC), Report Review Committee, Indicators for Understanding Global Climate Change
Biological and Environmental Research Advisory Committee (BERAC)
Center for Ocean-Land-Atmosphere Studies (COLA), external advisory committee, chair
Proceeding of the National Academy of Sciences (PNAS), Editorial Board
National Academy of Engineering, Member, 2009
American Association for the Advancement of Science (AAAS), Member, 2009
American Meteorological Society, Member, 2009
UCAR Board of Trustees, 2006-2009
UCAR Board of Trustees' Personnel Committee, Member, 2006-2009
Committee on Strategic Advice on the Climate Change Science Program, National Research Council (NRC), Member, 2006-2008
Biological and Environmental Research Advisory Committee, DOE, Member, 2006-2010
Committee on Surface Temperature Reconstructions for the Past 1,000-2,000 Years: Synthesis of Current Understanding and Challenges for the Future, National Research Council (NRC), Member, 2006
DOE SciDAC, Review Panel Member, 2006
Institutional Trustee of the University Corporation for Atmospheric Research, 2005-2009
Joint Editor-in-Chief for the journal *Carbon Balance and Management*, 2005-2010
IPCC AR4 Lead Author, Chapter 7, 2004-2007
LTER National Advisory Board, 2004 - 2007
2001-2006: Co-Chair, IGBP-IHDP-WCRP Joint Carbon Project Committee
American Geophysical Union, President, 2002-2004, President-elect, 2000-2002

Atmospheric Sciences Section, President, 1988-1992
 Committee on Earth As A System, Member, 1987-1989
 Roger Revelle Award Committee, Member, 1998
 William Bowie Award Committee, Member, 1997
 American Institute of Physics (AIP), Governing Board, 2004-2007
 AIP Audit Committee, Member, 2004-2007
 Center for Ocean-Land-Atmospheric Studies (COLA), Chair, External Advisory Committee, 2004
 Oak Ridge National Laboratory (ORNL), Global Change Research Advisory Panel, 2003
 National Academy of Sciences, Committee on the Science of Climate Change, 2001
 American Association for the Advancement of Science (AAAS): Atmospheric and Hydrospheric Sciences Section W, Chair, 2001-2002
 American Meteorological Society, Chairman, Committee on Biometeorology&Aerobiology, 1987-1989
 American Meteorological Society, Member, Committee on the Upper Atmosphere, 1971-1974
 American Meteorological Society, Member, Committee on Climate Change, 1978-1981
 American Meteorological Society, Member, Awards Committee, 1998; Chair, 1999
 Arctic Research Consortium of the United States, Chairman, Oversight Panel, 1992-1994
 Center for Clouds, Chemistry & Climate External Advisory Panel, External Advisory Committee, 1996-present
 C4-EAP, Chair, 2000
 Center for Ocean-Land-Atmosphere Studies, Scientific Advisory Committee, 1998-present
 U.S. CLIVAR (Climate Variability and Predictability), Co-Chair, 2001- 2002
 U.S. Scientific Steering Committee, 1998 - present
 Climate System Modeling, NCAR, Land Working Group, 1995-1999
 Climate System Modeling, NCAR, Scientific Steering Committee, 1995-2001
 CMAP Science Advisory Committee, NCAR, 1990-1998
 Cooperative Institute for Research in Environmental Sciences (CIRES) External Review Team, 1997
 COSPAR, Member, Subcommittee A1, 1986
 Ecological Society of America, Member
 European Centre for Medium-Range Weather Forecasts, workshop for application in Numerical Weather Prediction
 GCIP Science Panel, Member
 Georgia Institute of Technology External Evaluation Committee, 1996
 A Global Change System for Analysis, Research and Training, NCAR, 1996
 Global Energy and Water Experiment of WCRP, Member, International Steering Committee, 1988-1996
 Institute for the Study of Planet Earth, Chairman, Executive Committee, 1994-1996
 Member, Executive Committee, 1996-present
 International Commission on Climate (ICCL), Secretary, 1983-1987
 International Geosphere Biosphere Programme, GAIM Committee, Member, end 1998
 International Satellite Land Surface Climatology Project, Member, Steering Committee, 1984-1989
 International Society of Biometeorology, Member
 Land Processes DAAC Science Advisory Panel, Member, 1993-present (USGS/NASA in cooperation with EROS Data Center as Land Processes Distributed Active Archive Center (DAAC) for EOS Data/Information System
 NASA Goddard Space Flight Center, Member, Visiting Committee for Review of Science Programs, 1986, 1997
 NASA Goddard Space Flight Center, Biospheric Sciences Branch of the Laboratory for NASA Goddard Space Flight Center, Data Assimilation Office, Scientific Advisory Panel, 1995-present
 National Center for Ecological Analysis and Synthesis, 1996
 National Research Council, Committee on the Science of Climate Change, 2001- 2002
 National Research Council, Chairman, Climate Research Committee, 1990-1992
 Climate Research Committee, Member, 1985-1990; 1995-1997

TOGA Panel, Member, 1995
 Panel on Upper Atmospheric Physics, Committee on Polar Research, Member, 1973-1976
 Panel for the Middle-Atmosphere Program, Committee for Solar-Terrestrial Research, Member, 1979-1980
 Climatic Impact Committee, Member, 1975-1976
 Panel on Chemistry and Stratospheric Transport, Committee on Impacts of Stratospheric Change, Member, 1977-1979
 Committee on Chemistry and Physics of Ozone Depletion, Member, 1981-1982
 Panel on Global Tropospheric Chemistry, Board of Atmospheric Sciences and Climate, Member, 1982-1984
 Committee on Earth Sciences, Member, 1985-1989
 Committee on Global Change, Member, 1987-1992
 Ad Hoc Planning Panel on Climate and Hydrology, Chairman, 1987-1988
 Review Panel for U. S. Global Change Research Program, Member, 1990
 Review Panel for EOS Program, Member, 1990
 Committee on Climate Change and Water Resources Management, Member, 1990-1992
 National Science Foundation, NCEP, 1998
 Scientific and Technical Advisory Committee, University of Chicago, Argonne, 1995-1997
 UCAR, Member, Science Steering Committee of Climate Systems Modeling Program, 1990-1992
 US/Brazil Bilateral Project, Participant, "Regional and Global Aspects of Precipitation in the Amazon Basin," 1985-1987

Visiting Committee Member to Other Universities:

M.I.T., Department of Earth, Atmosphere and Planetary Science, 1994, 1996, 1998
 Yale, Institute of Biospheric Studies, 1995
 UCLA, Department of Atmospheric Science, 2003
 World Climate Research Programme, Co-Chair, The Carbon Challenge, An IGBP-IHDP-WCRP Joint Project, 2001
 World Climate Research Program of the World Meteorological Organization, Member of Land Surface Processes and Climate Working Group, 1984-1989

Graduate Students Supervised at The University of Texas at Austin:

Ying Sun 2008 – present
 Wenting Fu 2010 – present
 Lace Pyle 2010 – present
 Kai Wang 2010 – present

Graduate Students Supervised at Georgia Tech:

Yan Huang 1999-2005	Yan Zhang 2002-2005
Yanping He 2002-2007	Wenxian Zhang 2006-2008
Ray Mooring 2000-05/2005 (Research Tech I, 05/2005-08/2005)	Mi Zhou 2001-2006
Willis Shem 2001-2006	
Jiangfeng Wei 2002-2008	

Postdocs & Research Specialists Supervised at the UT Austin:

Mohammad Shaikh Research Engineer/Scientist Associate V, August 2008-present

Kaicun Wang Research Scientist Associate V, December 2009-December 2010
Hua Su Postdoctoral Fellow, November 2009 -present
Bing Pu Postdoctoral Fellow, 2010 - present

Postdoctoral Fellows and Research Specialists Supervised at Georgia Tech:

Yongjiu Dai Research Scientist II, March 2000-June 2003
Qing Liu Research Scientist II, May 2006-June 2008
Yongqiang Liu Senior Research Scientist, 1999-2002
Mohammad Shaikh Temporary Professional Advisor, 1999-2003
 Research Scientist II, December 2003-August 2008
Yuhong Tian Postdoctoral Fellow, December 2001-February 2004
 Research Scientist II, February 2004-July 2007
Wanru Wu Postdoctoral Fellow, November 2000-February 2004
 Research Scientist II, February 2004 - 2006
Hongbin Yu Postdoctoral Fellow, August 2000-January 2003
 Research Scientist II, January 2003-October 2004
Liming Zhou Postdoctoral Fellow, December 2001- February 2004
 Research Scientist II, February 2004-July 2007

Editorial Activities:

Joint editor-in-Chief

Carbon Balance and Management Journal, 2005-2010

Editor

Journal of Climate, Associate Editor, 1993-1995

Journal of Atmospheric Sciences, 1991-1993

Climatic Change, 1984-2000

Environment, 1984-1997

Editorial Boards

Papers in Meteorological Research, 1981-1991

Pure and Applied Geophysics, 1983-1986

Weatherwise, 1980-1998

Reviews:

Dickinson, R.E., 1982: Review of *Biophysical Ecology*, by D. Gates. *Climatic Change*, 430-431

Dickinson, R.E., 1984: Review of *The Global Climate*, by J.T. Houghton, ed. *Science*, **225**, 4669, 28
September 1984, 1466-1467

Dickinson, R.E., 1991: Review of *Probable Impact of Deforestation on Hydrological Processes*, *Climatic Change*, **19**, 175

Dickinson, R.E., 1993: Review of *Scientists on Gaia*, by S. Schneider and P. Boston, eds., *Bull. AMS*, **74**,
3, 451

Dickinson, R.E., 1994: Review of *Climate and Sea-Level Change: Observations, Projections and
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