
LAU, Ngar-Cheung

Date of Birth **July 21, 1953**
Place of Birth **Hong Kong**

EDUCATION:

1974 B. Sc., (Physics) United College, Chinese University of Hong Kong
1978 Ph.D., (Atmospheric Sciences) University of Washington

EMPLOYMENT:

1974-1978 University of Washington/National Center for Atmospheric Research
1978-1984 Geophysical Fluid Dynamics Program, Princeton University
1984-present Geophysical Fluid Dynamics Laboratory (GFDL)/National Oceanic and
 Atmospheric Administration (NOAA)
1984-1992 Research Scientist
1990 Acting Director
1992-present Senior Research Scientist
1996-present Leader, Climate Diagnostics Project
2000-2001 Acting Director

JOINT APPOINTMENT WITH PRINCETON UNIVERSITY:

Lecturer in Geosciences and Atmospheric and Oceanic Sciences, 1982-present; with rank of Associate Professor 1986-1995; with rank of Professor, 1995-present.
Faculty Committee on Graduate Studies, Program in Atmosphere and Oceanic Sciences, 1986-1989; 1995-1998; 2003-present; Chair, 1987-1989; 1996-1997.

AWARDS and HONORS:

Tuition Scholarships, St. Francis Xavier's School and Chinese University of Hong Kong
Tung Wah Group Hospitals Prize for outstanding performance, Chinese University of Hong Kong
Run Run Shaw Postgraduate Scholarship, Chinese University of Hong Kong (1974)
American Meteorological Society, **Clarence Leroy Meisinger Award**, for "Outstanding Studies of Low-frequency Variability in the Atmosphere by a Synthesis of Modeling and Diagnostics" (1990)
American Meteorological Society - **Fellow** (1991)
Unusually Outstanding Performance Award, U.S. Department of Commerce/NOAA (1991)
C.N. Yang Visiting Fellow, Chinese University of Hong Kong (1993)
Hong Kong Observatory 120th Anniversary **Distinguished Meteorologist** (2003)
Listed in "*American Men and Women of Science*"; "*Who's Who Among Asian Americans*"; "*Most Admired Men and Women of the Year*" (1994-1995); "*Dictionary of International Biography*" Twenty-seventh Edition; "*Who's Who in America Science and Engineering*" Fifth Edition; "*Outstanding People of the 20th Century*" Second Edition; "*2000 Outstanding Intellectuals of the 20th Century*"; "*2000 Outstanding Scientists of the 20th Century*"; "*Who's Who in America*" Fifty-fifth Edition; "*Who's Who in the 21st Century*".

COMMITTEES AND COMMUNITY SERVICE:

Organizing Committee, World Meteorological Organization (WMO)-CAS/JSC Expert Study Meeting on Long-range Forecasting, 1982.
GFDL Equal Employment Opportunity Committee, 1984-1988; Secretary, 1986-1988.
Council for Equatorial Pacific Ocean Climate Studies, NOAA/OAR, 1985-1994.
GFDL Employee's Association Board of Directors, 1987-1989; Secretary, 1988-1989.
Principal Investigator, NOAA/Universities Consortium for Model Diagnosis, 1990-2000.
Committee on Climate Variations, American Meteorological Society, 1990-1994.
External Examiner, Graduate School, Chinese University of Hong Kong, 1993-2002.
External Assessor, Research Grants Council, Hong Kong Government, 1994.
International Reviewer, National Research Council, Taiwan, 1991-1994.
International Reviewer, National Collaborative Research Program in Climate Variability, Atmospheric Environment Service of Canada, 1994.
Scientific Advisor to Director of the Hong Kong Observatory, 1996- present.
NOAA Panel on Seasonal-to-Interannual Climate Forecasts, 1998-1999.
Guest Lecturer, Hong Kong University of Science and Technology, 2000.
Advisory Academic Committee, Institute of Atmospheric Physics, Chinese Academy of Sciences, 2001-present.
Vice Chairman, International Committee, WMO Third International Workshop on Monsoon, Hangzhou, China, 2004.
External Reviewer, Faculty Search, Department of Atmospheric Sciences, National Taiwan University, 2005.
Peer Reviewer, Tan Kah Kee Science Award in Earth Sciences, Chinese Academy of Sciences, 2005.
Scientific Advisory Board, NOAA Climate Test Bed, 2005-present.
Advisory Panel, U.S. Climate Variability (CLIVAR) Research Program, 2005-present.
International Science Program Committee, International Symposium on the Winter Monsoon Experiment-A Quarter Century and Beyond, Kuala Lumpur, Malaysia, 2006.
Co-Chair, Expert Term on Climate Impacts on Monsoon Weather, WMO World Weather Research Program, 2007-present.
Advisory Board, Climate Forecast System High-Resolution Reanalysis Project, US Climate Prediction Center, 2007-present.
Contributor Author, Fourth Assessment Report of WMO/UNEP Intergovernmental Panel on Climate Change, 2007.

EDITORSHIPS:

GFDL Annual Reports 1986-1987.
Dynamics of Atmospheres and Oceans, Elsevier, 1988-2002.
Proceedings of Second International Conference on East Asia and Western Pacific Meteorology and Climate, Hong Kong, 1992.
Journal of the Atmospheric Sciences, American Meteorological Society, 1996-1999.
Advances in Atmospheric Sciences, Institute of Atmospheric Physics, Chinese Academy of Sciences, 1999-present.
World Scientific Series on Meteorology of East Asia, 1999-present.

PUBLICATIONS:

A list of my publications may be found at
<http://www.gfdl.noaa.gov/reference/bibliography/authors/lau.html>

INVITED PRESENTATIONS:

- Study Conference on Physical Basis for Climate on Seasonal, Annual and Decadal Time Scales, Leningrad, USSR, 1982.
- WMO/WCP Planning Meeting on Climate System Monitoring, Geneva, Switzerland, 1983.
- International Symposium on the Qinghai-Xizang Plateau and Mountain Meteorology, Beijing, China, 1984.
- U.S./People's Republic of China Third Monsoon Workshop, Kunming, China, 1987.
- U.S./Japan Workshop for the Study of El Nino-Southern Oscillation Phenomena, Tokyo, Japan, 1987.
- Bureau of Meteorology Research Centre, Melbourne, Australia, 1989.
- First, Second, and Fourth International Conference on East Asia and Western Pacific Meteorology and Climate, Hong Kong (1989 and 1992) and Hangzhou, China (1999).
- Lectureship Program, National Science Council, Taiwan, 1990-1992.
- Fifth Conference on Climate Variations, Denver, CO, 1991.
- Keynote Speaker, Global Ocean-Atmosphere-Land System Study Conference, National Research Council, Honolulu, HI, 1993.
- Lecture series on environmental issues, Chinese University of Hong Kong, 1993.
- TOGA 95 International Scientific Conference, Melbourne, Australia, 1995.
- International Symposium for Climate and Global Environmental Change, Beijing, China, 1996.
- Keynote Speaker, Thirty-second Annual Congress of the Canadian Meteorological and Oceanographic Society, Dartmouth, Canada, 1998.
- Keynote Speaker, Fourth International Conference on Modeling of Global Climate Change and Variability, Hamburg, Germany, 1999.
- Keynote Speaker, NOAA Panel on Abrupt Climate Change, Biosphere 2, AZ, 2000.
- International Pacific Research Center, Honolulu, HI, 2000.
- Symposium on Intraseasonal/Interdecadal ENSO Variability, University of Hawaii, Honolulu, 2000.
- Keynote Speaker, Workshop on intraseasonal to interdecadal variability of the East Asian monsoon, Taipei, Taiwan, 2001.
- Chinese Academy of Sciences-Third World Academy of Sciences-WMO Climate Forum, Shanghai, China, 2002.
- Central Weather Bureau, Taipei, Taiwan, 2002, 2006.
- Twelfth and Fourteenth American Meteorological Society Conferences on Interactions of the Sea and Atmosphere, Long Beach, CA, 2003 and Atlanta, GA, 2006.
- Popular Science Lecture Series by Distinguished Meteorologists, in celebration of 120th anniversary of Hong Kong Observatory, Science Museum, Hong Kong, 2003.
- Chinese Academy of Meteorological Sciences, Chinese Meteorological Administration, Beijing, China, 2004.
- National Key Laboratory of Numerical Modeling for Atmospheric Sciences and Geophysical Fluid Dynamics, Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China, 2004.
- International Symposium on Tropical Weather and Climate, Guangzhou, China, 2004.
- First Pan-WCRP Workshop on the Monsoon Climate Systems, Irvine, CA, 2005.
- Keynote Speaker, WMO International Workshop on Climate of the 20th Century, Prague, Czech Republic, 2005.
- International Symposium on the Winter Monsoon Experiment-A Quarter Century and Beyond, Kuala Lumpur, Malaysia, 2006.
- Keynote Speaker, Kickoff ceremony for Golden Jubilee of United College, Chinese University of Hong Kong, Hong Kong, 2006.
- Eugene Rasmusson Symposium, American Meteorological Society Annual Meeting, San Antonio, TX, 2007.
- Keynote Speaker, WMO International Workshop on Climate of the 20th Century, Exeter, United Kingdom, 2007.

Maurice Blackmon Symposium, National Center for Atmospheric Research, Boulder, CO, 2007.
Keynote Speaker, Scientific Forum in celebration of 70th anniversary of Southwest Union University, Kunming, China, 2008.
Distinguished Lecture Series, Department of Atmospheric Sciences, School of Physics, Peking University, Beijing, China, 2008.
Keynote Speaker, Fourth WMO International Workshop on Monsoons, Beijing, China, 2008.