

Curriculum Vitae

Dong-Kyou Lee, Professor

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Personal

Birth place: Korea
Birth date: April 3, 1945
Home address: Woosung Apt. 9-402 Daechi-dong 503, Gangnam-ku
Seoul 156-010, Korea

Education

Ph.D. in Atmospheric Sciences, University of Wisconsin-Madison, 1981
Thesis title: Impact of mesoscale satellite data on numerical model simulation
Advisor: Professor David D. Houghton
M.S. in Atmospheric Sciences, University of Wisconsin-Madison, 1978
B.A. in Meteorology, Seoul National University, 1974

Research Interests

Numerical weather prediction
Heavy rainfall and mesoscale convective system
East Asian monsoon circulation
Typhoon forecasting
Mesoscale data assimilation
Regional climate modeling

Professional Employment

Member, Committee for National R/D Review and Evaluation, Ministry of Science and Technology,
February 2006 – January 2007
Member, Committee for Communication Oceanography Meteorology Satellite Program Promotion,
Ministry of Science and Technology, August 2003 - Present
Director, Atmospheric and Environmental Research Institute, Seoul National University, November
2002 – November 2004
Member (and chair of Earth and Space Sciences Division), Committee of Korea-China Basic Sciences

Exchange program, Korea Science and Engineering Foundation, April 2002 - Present
Head, School of Earth and Environmental Sciences, Seoul National University, February 2002 – February 2004
Director, Center for National Inter-University Research Facilities, August 1998 - July 2000
Member, Personnel Affairs Committee of College of Natural Sciences, Seoul National University, March 1999 – February 2002
Trustee, Board of Directors, The Korean Federation of Science and Technology Societies, March 1999 – February 2002
Member, Committee of Policy for Water Management, Office for Government Policy Coordination, Office of the Prime Minister, March 1999 - March 2001
Member, Advisory Committee of Supercomputer purchase and usage, Korea Institute of Science and Technology Information, November, 1997 - Present
Member, Committee of Disaster Prevention Technology, Ministry of Science and Technology, May 1996 - May 1999
President, Korea Meteorological Society, April 1998 - April 2000
Professor, Department of Atmospheric Sciences, Seoul national University, September 1993 - Present
Director, Atmospheric and Environmental Research, Seoul National University, February 1994 - February 1996
Representative of Seoul National University, International Affiliate Program, University Corporation of Atmospheric Research, U.S.A., March 1993 - Present
Director, Division of Research for Earth Environment, Research Institute for Basic Sciences, Seoul National University, April 1994 - April 1996
Director, Division of Instrument, Inter-University Center for Natural Science Research Institute, Seoul National University, August 1991 - November 1993
Chair, Department of Atmospheric Sciences, Seoul National University, September 1987 - September 1991
Associate Professor, Department of Atmospheric Sciences, Seoul National University, September 1987 - September 1993
Assistant Professor, Department of Atmospheric Sciences, Seoul National University, September 1983 - September 1987
Research Associate, Department of Meteorology, University of Wisconsin, Madison, December 1981 - August 1983

Awards

Seoul Sarang ("Love") Citizens' Awards, for a distinguished service to the Earth and Environmental Sciences, Seoul City, October 2005
Service Merit Award, for Development of the Korean Meteorological Society, The Korean Meteorological Society, October 2003
Order of Service Merit (Red Stripes), for Contribution to Social Developments, The Government of the Republic of Korea, March 2003
Mooksang Award, for Academic Performance in Weather Forecast, The Korean Meteorological Society, April 2001
Korea Meteorological Administration Commendation, for Contribution to Operational Forecasts, Korea Meteorological Administration, March 2002
The President of Republic of Korea Commendation, for Improvement of Operational Meteorology,

The Government of the Republic of Korea, December 1993
Woonjae Award, for Academic Performance in Numerical Weather Prediction, The Korean
Meteorological Society, March 1990

Memberships

American Meteorological Society
Korean Meteorological Society
Korean Earth Science Society
Korean Society of Remote Sensing
Korean Space Science Society
Japan Meteorological Society
Royal Meteorological Society

Funded Projects

Observation and Numerical Modeling of High-impact Weather and Climate in East Asia, Korea Foundation for International Cooperation of Science and Technology, 2006.12-present
Research on Mechanism and Modeling of Mesoscale Convective System and Cloud-Scale Heavy Precipitation over East Asia, Korea Meteorological Administration, 2006.4-present
Construction of Very Short-Term and Local Weather Forecasting System for the Support of Air Operation, Republic of Korea Air Force, 2006.4-present
Prediction and Impact Assessment of Water Cycle with Climate Change, Korea Institute of Environmental Science and Technology, 2003.6-2006.5
Research on Dynamical and Physical Processes and Technology Development of Prediction of Cloud-scale Heavy Rainfall, Korea Meteorological Administration, 2003.6-2006.3
Development of the Cloud Forecast System for Satellite Operation Planning, Korea Aerospace Research institute, 2003.1 - 2003.9
Precipitation Prediction Research Laboratory, Korea Science and Engineering Foundation, 2002.7-present
Research on Conceptual model of Heavy Rainfall, Korea Meteorological Administration, 2002.6 - 2003.4
Development of Prediction Technology of the Global Warming and the Climate Change in the Korean Peninsula, Korea Meteorological Administration, 2002.5-2006.3
Development of Mesoscale Data Assimilation System, Korea Meteorological Administration, 2002.5-present
Building an Objective Integrated Prediction System based on Numerical Weather Prediction, Republic of Korea Air Force, 2002.3-2005.12
Research on the Heavy Rainfall for Improvement of Forecasting Skill, Meteorological Research Institute, 2002.2 - 2002. 11
Development of Intra-technology for the Advanced Numerical Prediction System, Korea Meteorological Administration, 2000.4 - 2002. 3
Technology for Monitoring, Prediction and Assessment of Climate Change, Ministry of Environment/Ministry of Science and Technology, 2000.12 - 2001.11
Development of the Integrated Prediction System with Numerical Weather Prediction, Republic of Korea Air Force, 1998.3 - 2001.12
Research on the Characteristics of Air Pollution over Korean Peninsula, Ministry of Education, 1998.11 - 1999.10
Technology for Climate Change Prediction, Ministry of Environment, 1998.12 - 1999.11