

Eungul Lee

RESEARCH INTERESTS:

Monsoon System, Climate-Biosphere (land use/ land cover change) Interactions, Atmosphere-Ocean Interactions, and intermediate and high complexity General Circulation Model (GCM) Simulations

EDUCATION:

Ph.D. (Aug. 2003~Dec. 2007), Climatology, Dept. of Geography, University of Colorado, Boulder, CO

M.S. (Mar. 1996~Feb. 1998), Climatology, Dept. of Geography, Konkuk University, Seoul, Korea

B.S. (Mar. 1992~Feb. 1996), Dept. of Geography, Konkuk University, Seoul, Korea

PROFESSIONAL EXPERIENCE:

- **Postdoctoral Research Associate** (Jan. 2008~Present), Center for Sustainability and the Global Environment (SAGE), University of Wisconsin, Madison, WI
- **Graduate Research Assistant** (Aug. 2003~Dec. 2007), Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado, Boulder, CO
- **Teaching Assistant** (Jun. 2005~Jul. 2007), Dept. of Geography, University of Colorado, Boulder, CO
- **Researcher** (Mar.~Dec. 2002)/ **Research Assistant** (Mar. 1996~Jun. 1998), Climatology LAB, Dept. of Geography, Konkuk University, Seoul, Korea.
- **Teaching Assistant** (Sep.~Dec. 2002 and Sep. 1996~Jun. 1997), Dept. of Geography, Konkuk University, Seoul, Korea.

HONORS AND AWARDS (after 2000):

- **National Science Foundation (NSF) Research Proposal**, The effects of changes in the surrounding oceans and lands on the East Asian summer monsoon variability, (PI: Thomas N. Chase, Co-PI: Eungul Lee), Submitted to NSF (In review).
- **Gilbert F. White Doctoral Fellowship**, Dept. of Geography, University of Colorado, May 2007. (\$10,000)
- **First Place** (out of the fifteen), Association of American Geographers (AAG)-Climate Specialty Group (CSG) Student Paper Competition, AAG Annual Meeting, San Francisco, CA, April 2007.
- **Department Fellowship**, Dept. of Geography, University of Colorado, Aug. 06~May 07. (\$5,000)
- **CIRES Graduate Student Fellowship**, CIRES, University of Colorado, Sep. 05~May 06. (\$33,298)
- **Honorable Mention**, 2005 AAG-CSG Student Paper Competition, AAG Annual Meeting, Denver, CO.
- **Letter of appreciation**, 29th International Geographical Congress (IGC) Secretary General, Nov. 2000: Supporting for Dr. Sokol Axhemi, University of Shkodra, Albania.

PUBLICATIONS:**Peer Reviewed Publications**

- **Lee, E.**, T. N. Chase, and B. Rajagopalan, Highly improved predictive skill in the forecasting of the East Asian summer monsoon, *Water Resources Research*. (In review)
- **Lee, E.**, T. N. Chase, B. Rajagopalan, and P. J. Lawrence, Model assessment of the observed relationship between El Niño and the East Asian summer monsoon using the CCSM3, *J. Geophys. Res.* (In review)
- Leavitt, S. W., T. N. Chase, B. Rajagopalan, **E. Lee**, and P. J. Lawrence, Southwestern U.S. tree-ring carbon isotope indices as a possible proxy for reconstruction of greenness of vegetation, *Geophysical Research Letter*. (In review)
- Biggs, T., S. Christopher, G. Anju, **E. Lee**, and T. N. Chase (2008), Irrigation and aerosol forcing of heat fluxes and surface temperature, southern India, *Water Resources Research*. (Accepted with minor revision)
- **Lee, E.**, T. N. Chase, B. Rajagopalan, R. G. Barry, T. W. Biggs, and P. J. Lawrence (2008), Effects of irrigation and vegetation activity on early Indian summer monsoon variability, *Int. J. Climatol.* (Accepted with minor revision)
- **Lee, E.**, T. N. Chase, and B. Rajagopalan (2008), Seasonal forecasting of East Asian summer monsoon based on oceanic heat sources, *Int. J. Climatol.*, 28, 667~678. [[PDF](#)]
- Leavitt, S.W., T. N. Chase, B. Rajagopalan, **E. Lee**, P. J. Lawrence, and C. A. Woodhouse (2007), Southwestern U.S. drought maps from Pinyon tree-ring carbon isotopes, *Eos, Trans. Amer. Geophys. Union*, 88, 39. [[PDF](#)]
- **Lee, E.**, and H.-Y. Lee (1998), Spatial distribution and causative factors of typhoon disasters in Korea, *Journal of the Korean Geographical Society*, 33, 179~190. [[PDF](#) Abstract in English]

Recent Preprints and Presentations (after April 2007)

- **Lee, E.**, T. N. Chase, and B. Rajagopalan (2007), Highly improved predictive skill in the forecasting of the northern East Asian summer monsoon (poster), *AGU Fall Meeting*, San Francisco, CA.
- **Lee, E.**, T. N. Chase, B. Rajagopalan, R. G. Barry, T. W. Biggs, and P. J. Lawrence (2007), Effects of spring land cover change on early Indian summer monsoon variability linked with general circulation models (abstract), *The AAG Annual Meeting*, San Francisco, CA, 17~21 April.
- **Lee, E.**, T. N. Chase, and B. Rajagopalan (2007), Physical linkages between the East Asian summer monsoon and sea surface temperature anomalies in the surrounding oceans (poster), *CIRES Science Symposium*, University of Colorado, Boulder, CO, 4 April.

OTHER INFORMATION: **Member** of Association of American Geographers, American Geophysical Union, and Korean Geographical Society, **Peer Reviewer** for *J. Clim*, *Meteor. Atmos. Phys.*, *GRL*, **Assistant Secretary** of Korean Geographical Society (Dec. 1996~Nov. 1997), and **Army Officer** of 5th Corps Artillery Brigade, Republic of Korea Army (July 1998~Sep. 2001).