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## Reviewed Papers

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- Lee, Dong-Kyou**, 2006: Observational Study and Simulation of Heavy Rainfall over Korea using Radar Data, National Central University, November 18-, 2005, Taipei, Taiwan
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### **Major Advisor for Student's Thesis**

### ***Ph.D. Dissertation (10 students)***

- Byun, Hi-Ryong, 1991, Ph. D. Dissertation : A study on the existence of the dry-period before the Changma and its associated atmospheric circulation. Seoul National University.
- Jeong, Young-Kun, 1992, Ph. D. Dissertation : Teleconnection patterns over Aia/North Pacific ocean and its associated weather in Korea during the northern hemispere winter. Seoul National University.
- Hong, Song-You, 1992, Ph. D. Dissertation : Numerical simulation of a heavy rainfall event occurred over Korea. Seoul National University.
- Chang, Dong-Eon, 1998, Ph. D. Dissertation : Sensitivity of the heavy rainfall prediction to initial condition and 4DVAR using a mesoscale adjoint model. Seoul National University.
- Seo, Myung-Suk, 1999, Ph. D. Dissertation : Sensitivity of the East Asian summer monsoon to remotely sensed vegetation and soil moisture in a regional climate model. Seoul National University.
- Lee, Mi-Seon, 1999, Ph. D. Dissertation : Impacts of weak constraint 4DVAR and satellite retrieved data on mesoscale model simulation. Seoul National University.
- Wee, Tae-Kwon, 1999, Ph. D. Dissertation : A cumulus parameterization based on cloud-resolving simulations of mesoscale convective systems. Seoul National University.
- Ahn, Young-In, 2001, Ph. D. Dissertation : Impact of the Typhoon on the Summertime Circulation in a Regional Climate Simulation. Seoul National University.
- Joo, Sang-Won, 2002, Ph. D. Dissertation : A new apprach on the bias and error covariance matrix in the 1DVAR. Seoul National University.
- Kang, Hyun-Suk, 2003, Ph. D. Dissertation : High-resolution Lnad Surface Process and Soil Moisture-Precipitation Iteration in Regional Climate Simulations of the East Asian Summer Monsoon. Seoul National University.

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- Lee, Hi-Sang, 1985, M. S. Thesis : Correlations for wind and geopotential height on 500mb surface over Far East Asia during winter periods(1977-1980). Seoul National University.
- Park, Seon-Ki, 1986, M. S. Thesis : Synoptic aspects of a northeastward moving extratropical cyclone developed in the East Asia coast. Seoul National University.
- Seo, Myung-Suk, 1986, M. S. Thesis : A Case Study of the Polar Low Causing Heavy Snowfalls over the Central Korea. Seoul National University.
- Eom, Won-Keun, 1986, M. S. Thesis : A study of rainfall estimates from radar echoes. Seoul National University.
- Kwon, Oh-Ung, 1987, M. S. Thesis : A Study of Precipitation Probability Forecasting in Korea. Seoul National University.
- Hong, Song-You, 1987, M. S. Thesis : Numerical simulation of the winter storm in a mesoscale model. Seoul National University.
- Kim, Yong-Sang, 1989, M. S. Thesis : The characteristics of secondary circulation associated with a developing cyclone. Seoul National University.
- Chang, Dong-Eon, 1989, M. S. Thesis : Simulation of the tropical cyclone Vera using a mesoscale

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- Ahn, Young-In, 1990, M. S. Thesis : Retrieval of atmospheric temperature and moisture profiles from TOVS data and their applicability for weather analysis in East Asia. Seoul National University.
- Joo, Sang-Won, 1990, M. S. Thesis : A Comparative Case Study of Springtime and Wintertime Cyclone Development near the Korean Peninsula. Seoul National University.
- Hyun, Jong-Hoon, 1990, M. S. Thesis : A study of sea-land breezes simulation and local precipitation forecast over Jeju island using a numerical model. Seoul National University.
- Kwon, Young-Cheol, 1991, M. S. Thesis : A study on relationship of cold-air outbreaks over Korea to Hadley and Walker circulations during 1985-86 winter. Seoul National University.
- Chung, Jun-Seok, 1991, M. S. Thesis : Mesoscale numerical model simulation for Typhoon Vera with bogus data. Seoul National University.
- Choi, Jong-Min, 1991, M. S. Thesis : Heat and moisture budgets of the heavy rainfall case occurred over Korea during 1-3 september 1984. Seoul National University.
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- Kang, Hyun-Suk, 1993, M. S. Thesis : A case study on the explosive cyclone occurred over East Asia during 15-17 January 1987. Seoul National University.
- Wee, Tae-Kwon, 1993, M. S. Thesis : A diagnostic study of Fritch-Chappel water-cycle for numerical simulation of heavy rainfalls in Korean peninsula. Seoul National University.
- Heo, Jin-Seok, 1994, M. S. Thesis : Analysis and simulation of snowfalls over the west coastal region of Korean peninsula in winter. Seoul National University.
- Koo, Seong-Jun, 1996, M. S. Thesis : Extended range forecast experiments of the Changma over the Korean peninsula and the East Asian summer monsoon in 1985. Seoul National University.
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- Lee, Seung-Woo, 1996, M. S. Thesis : Numerical experiments of the local circulation over the metropolitan area. Seoul National University.
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- Kim, Hyung-Woo, 2000, M. S. Thesis : Analysis of a Heavy Rainfall Case by Mesoscale Convective Systems using Doppler Radar Data. Seoul National University.
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- Kim, Joo-Wan, 2004, M. S. Thesis : The Effect of Latent Heat Release on the QG 2-Layer Model and Its Short Time Predictability. Seoul National University.
- Lee, Hyun-Ha, 2004, M. S. Thesis : Cloud Amount Prediction using Mesoscale Numerical Weather Prediction Model and Radiative Transfer Process. Seoul National University.
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