

June-Yi Lee, Ph.D.

Associate Professor

*Research Center for Climate Sciences and Department of Climate System
Pusan National University, Busan, Korea*

Associate Project Leader

Center for Climate Physics, Institute for Basic Science, Busan, Korea

Education

- 2003 Ph.D. Atmospheric Sciences, Seoul National University, Seoul, Korea
- 1999 M.S. Atmospheric Sciences, Seoul National University, Seoul, Korea
- 1997 B. S. Earth Science Education, Ewha Womans University.

Work Experience

- 2019 – Present Associate Professor, Research Center for Climate Sciences and Department of Climate System, Pusan National University
- 2017 – Present Associate Project Leader, Institute for Basic Science (IBS) Center for Climate Physics, Pusan National University
- 2015 – 2019 Assistant Professor, Research Center for Climate Sciences, Pusan National University
- 2013 – 2015 Brainpool Professor, Research Center for Climate Sciences, Pusan National University
- 2012 – 2013 Associate Researcher, International Pacific Research Center, School of Ocean, Earth Science, and Technology, University of Hawaii
- 2008 – 2012 Assistant Researcher, International Pacific Research Center, School of Ocean, Earth Science, and Technology, University of Hawaii
- 2005 – 2008 Post-doctoral research scientist, International Pacific Research Center, School of Ocean, Earth Science, and Technology, University of Hawaii
- 2003 – 2005 Post-doctoral research scientist, NASA Goddard Space Flight Center, Maryland

Academic Services & Activities

- 2021 – Present Science Plan Development Team Member, WCRP Lighthouse Activity/ Explaining and Predicting Earth System Change (EPESC)
- 2020 – Present Core Writing Team Member, IPCC 6th Assessment Synthesis Report

- 2019 – Present Co-chair, WCRP Working Group on Subseasonal to Interdecadal Prediction (WGSIP)
- 2018 – 2021 Coordinating Lead Author, Chapter 4 of WGI Contribution to IPCC 6th Report
- 2011 – 2015 Member, WMO WWRP/THORPEX/WCRP Sub-seasonal to Seasonal Prediction Working Group (S2S)
- 2011 – 2015 Member, WMO WWRP/THORPEX/YOTC MJO Task Force
- 2010 – 2015 Research coordinator, the IntraSeasonal Variability Hindcast Experiment (ISVHE) international project supported by CLIVAR and NOAA CTB
- 2005 – 2013 Research coordinator, the APEC Climate Center (APCC)/Climate Prediction and its Application to Society (CliPAS) international project

Research Interests

- Predictability and prediction of Earth system components including total soil water, wildfire occurrence, marine biogeochemical process, sea level, and statistics of climate extremes on timescales of months to decades
- Near-term climate predictability, prediction, and projection
- Variability and change of the Global and Asian-Australian monsoon
- Atmospheric teleconnection between tropics, extratropics and arctic
- Paleomonsoon variability

Refereed Publications

2021

99. Lee, S.-S., J.-E. Chu, A. Timmermann, E.-S. Chung, J.-Y. Lee, 2021: East Asian climate response to COVID-19 lockdown measures in China, *Scientific Reports*, 11, 16852.
98. Hsu, P.-C., F. Zhen, H. Murakami, **J.-Y. Lee**, C. Yoo, N. C. Johnson, C.-H. Chang, Y. Liu, 2021: East Antarctic cooling induced by decadal changes in Madden-Julian oscillation during austral summer. *Science Advances*. 7, 26, eabf9903. Doi:10.1126/sciadv.abf9903.
97. Bodai, T., G. Drotos, K.-J. Ha, **J.-Y. Lee**, T. Haszpra, and E.-S. Chung, 2021: Nonlinear forced change and nonergodicity: The case of ENSO-Indian monsoon and global precipitation teleconnection. *Frontier Earth Science*, **8**, article number 599785. Doi:10.3389/feart.2020.599785.
96. Yun, K.-S.*, **J.-Y. Lee***, A. Timmermann, K. Stein, M. F. Stuecker, J. C. Fyfe, and E.-S. Chung, 2021: Increasing ENSO-rainfall variability due to changes in future tropical temperature-rainfall relationship, *Communications earth & environment*, **2**, article number 43, doi:10.1038/s43247-021-00108-8.
95. Wang, B. et al., 2021: Monsoon climate change assessment. *Bull. Amer. Meteor. Soc.*, **102**, E1-

2020

94. Yang, Y.-M., **J.-Y. Lee**, and B. Wang, 2020: Dominant process for northward propagation of boreal summer Intraseasonal oscillation over the western North Pacific. *Geophysical Research Letters*, **47**, e2020GL089808.
93. Merryfield, W. et al., 2020: Current and emerging developments in subseasonal to decadal prediction. *Bull. Amer. Meteor. Soc.*, **101**, E869-E896.
92. Olson, Roman, A. Timmermann, J.-Y. Lee, and S.-I. An, 2020: A low order dynamical model for runoff predictability. *Climate Dynamics*, **56**, 399-422.
91. Yoo, J.-H., S. Moon, K.-J. Ha, K.-S. Yun, and **J.-Y. Lee**, 2020: Cases for the sole effect of the Indian Ocean Dipole in the rapid phase transition of the El Niño-Southern Oscillation. *Theoretical and Applied Climatology*, doi:10.1007/s00704-020-03265-6.
90. Yeo, S.-R., M. H. Kwon, and **J.-Y. Lee**, 2020: The non-linear relationship between the western North Pacific anticyclonic circulation and Korean summer precipitation on subseasonal timescales. *Climate Dynamics*, **54**, 525-541.

2019

89. Yang, Young-Min, **June-Yi Lee**, and B. Wang, 2019: The Tibetan Plateau uplift is crucial for eastward propagation of Madden-Julian Oscillation. *Sci. Rep.*, **9**, doi:10.1038/s41598-019-51461-w
88. Chu, J.-E., A. Timmermann, **J.-Y. Lee**, 2019: North American April tornado occurrences linked to global sea surface temperature anomalies. *Science Advances*, doi:10.1126/sciadv.aaw9950.
87. Olson, R., S.-I. An*, Y. Fan, W. Chang, J. P. Evans, and **J.-Y. Lee**, 2019: A novel method to test non-exclusive hypotheses applied to Arctic ice projections from dependent models. *Nature Comm.*, DOI: 10.1038/s41467-019-10561-x
86. Ren, H.*, A. Scaife, N. Dunstone, B. Tian, Y. Liu, S. Ineson, **J.-Y. Lee**, D. Smith, C. Liu, . Thompson, M. Vellinga, and C. MacLachlan: Seasonal predictability of winter ENSO types in operational dynamical model predictions. *Climate Dyn.*, **52**, 3869-3890.
85. Yang, Y.-M., B. Wang*, and **J.-Y. Lee**, 2019: Mechanisms of northward propagation of boreal summer intraseasonal oscillation revealed by climate model experiments. *Geophys. Res. Lett.*, **46**(6), 3417-3425, Doi:10.1029/2018GL081612.

2018

84. Ha, K.-J., Y.-W. Seo, **J.-Y. Lee***, R. H. Kripalani, and K.-S. Yun, 2018: Linkages between the South and East Asian summer monsoons: a review and revisit. *Climate Dyn.*, **51**, 4207-4227.
83. **Lee, June-Yi**, 2018: Interdecadal changes in the boreal summer tropical-extratropical teleconnections occurred around mid-to-late 1990s. *Atmosphere*, **28**(3), 325-336. (in Korean)

82. Timmermann, A. et al., 2018: El Niño-Southern Oscillation complexity. *Nature*, 559, 535-545.
81. Seo, Y.-W., K.-S. Yun, **J.-Y. Lee**, Y.-W. Lee, K.-J. Ha, and J.-G. Jhun, 2017: Future changes due to model biases in probabilities of extreme temperatures over East Asia using CMIP5 data. *Int. J. Climatol.*, 38, 1177-1188.
80. Li, S., S. Park, **J.-Y. Lee** et al., 2018: Chemical evidence of inter-hemispheric air mass intrusion into the Northern Hemisphere mid-latitudes. *Scientific Report*. 8, 4669.
79. Alessandri, A., M. D. Felice, F. Catalano, **J.-Y. Lee**, B. Wang, D.-Y. Lee, and J.-H. Yoo, 2018: Grand European and Asian-Pacific multi-model seasonal forecasts: maximization of skill and of potential economical value to end-users. *Climate Dyn.*, **50**, 2719-2738.

2017

78. **Lee, J.-Y.**, P.-C. Hsu, S. Moon and K.-J. Ha, 2017: Influence of Boreal Summer intraseasonal oscillation on Korean Precipitation and its long-term changes. *Atmosphere*. 27(4), 435-444.
77. Hsu, P.-C., **J.-Y. Lee**, K.-J. Ha, and C.-H. Tsou, 2017: Influences of boreal summer intraseasonal oscillation on heat waves in monsoon Asia. *J. Climate*, **30**, 7191-7211
76. **Lee, J.-Y.**, M.-H. Kwon, K.-S. Yun and coauthors, 2017: The long-term variability of Changma in the East Asian summer monsoon system: A review and revisit. *Asia-Pac. J. Atmos. Sci.*, **53**, 257-272
75. Chu, J.-E., B. Wang, J.-Y. Lee, and K.-J. Ha, 2017: Boreal summer intraseasonal phases identified by nonlinear multivariate empirical orthogonal function-based self-organizing map (ESOM) analysis. *J. Climate*, 30, 3513-3528
74. Jeong, J.-H., H. Lee, J.-H. Yoo, M.-H. Kwon, S.-W. Yeh, J.-S. Kug, J.-Y. Lee and coauthors, 2017: The status and prospect of seasonal climate prediction of climate over Korea and East Asia: A review. *Asia-Pac. J. Atmos. Sci.*, **53**, 149-173.
73. K.-J. Ha, J.-E. Chu, **J.-Y. Lee**, and K.-S. Yun, 2017: Interbasin coupling between the tropical Indian and Pacific Ocean on interannual timescale: Observation and CMIP5 reproduction. *Clim. Dyn.*, 48, 459-475.

2016

72. Ding, R., J. Li, Y.-H. Tseng, K.-J. Ha, S. Zhao, and **J.-Y. Lee**, 2016: Interdecadal change in the lagged relationship between the Pacific-South American pattern and ENSO. *Climate Dyn*, 47, 2867-2884
71. Yun, K.-S., Y.-W. Seo, K.-J. Ha*, **J.-Y. Lee**, and A. Kitoh, 2016: The seasonally varying effect of the Tibetan Plateau on Northern Hemispheric blocking frequency and amplitude. *Climate Dyn*, 47, 2527-2541
71. Choi, J., S.-W. Son, K.-H. Seo, **J.-Y. Lee**, and H.-S. Kang, 2016: Potential for long-lead prediction of the western North Pacific monsoon circulation beyond seasonal time scales. *GRL*, **43**, 1736-1743.

70. Chen, W., **J.-Y. Lee***, K.-J. Ha, K.-S. Yun, and R. Lu, 2016: Intensification of the Western North Pacific Anticyclone response to the short decaying El Nino event due to greenhouse warming. *J. Climate*, **29**, 3607-3627
69. Hsu, P.-C.* , **J.-Y. Lee**, and K.-J. Ha, 2016: Influence of boreal summer intraseasonal oscillation on rainfall extremes in southern China, *Int. J. Climatol.*, **36**, 1403-1412
68. Choi, J., S.-W. Son*, Y.-G. Ham, **J.-Y. Lee**, and H.-M. Kim, 2016: Seasonal-to-interannual prediction skills of near-surface air temperature in the CMIP5 decadal hindcast experiments. *J. Climate*, **29**, 1511-1527

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67. **Lee, J.-Y.** and K.-J. Ha*, 2015: Understanding of interdecadal changes in variability and predictability of the Northern Hemisphere summer tropical-extratropical teleconnection. *J. Clim.*, **28**, 8634-8647.
66. Lee, S.-S.*, B. Wang, D. E. Waliser, J. M. Neena, and **J.-Y. Lee**, 2015: Predictability and prediction skill of the boreal summer intraseasonal oscillation in the Intraseasonal Variability Hindcast Experiment. *Clim. Dyn.*, **45**, 2123-2135.
65. Chen, W., **J.-Y. Lee**, R. Lu, B. Dong, and K.-J. Ha*, 2014: Intensified impact of Tropical Atlantic SST on the Western North Pacific summer climate under a weakened Atlantic thermohaline circulation. *Clim. Dyn.*, **45**, 2033-2046. Doi:10.1007/s00382-014-2454-4.
64. **Lee, J.-Y.**, B. Wang, K.-H. Seo*, K.-J. Ha, A. Kitoh, and J. Liu, 2015: Effects of mountain uplift on global monsoon precipitation. *Asia-Pacific J. Atmos. Sci.*, **51**, 275-290.
63. Seo, K.-H.*, J.-H. Son, **J.-Y. Lee**, and H.-S. Park, 2015: Northern East Asian monsoon precipitation revealed by air mass variability and its prediction. *J. Climate*, **28**, 6221-6223.
62. Min, S.-K., S.-W. Son, K.-H. Seo, J.-S. Kug*, S.-I. An, Y.-S. Choi, J.-H. Jeong, B.-M. Kim, J.-W. Kim, Y.-H. Kim, **J.-Y. Lee**, and M.-I. Lee, 2015: Changes in weather and climate extremes over Korea and possible causes: A review. *Asia-Pac. J. Atmos. Sci.*, **51**, 103-121.
61. Alessandri, A.*, A. Borrelli, A. Cherchi, S. Materia, A. Navarra, **J.-Y. Lee**, and B. Wang, 2015: Prediction of Indian summer monsoon onset using dynamical sub-seasonal forecasts: effects of realistic initialization of the atmosphere. *Mon. Wea. Rev.*, **143**, 778-793
60. Fu, X.* , W. Wang, **J.-Y. Lee**, B. Wang, K. Kikuchi, J. Xu, J. Li, and S. Weaver, 2015: Distinctive roles of air-sea coupling on different MJO events: A new perspective revealed from the DYNAMO/CINDY Field Campaign. *Mon. Wea. Rev.*, **143**, 794-812
59. Jeong, H.-I., J.-B. Ahn, **J.-Y. Lee*** A. Alessandri, and H. H. Hendon, 2015: Interdecadal change of interannual variability and predictability of two types of ENSO. *Clim. Dyn.*, **44**, 1073-1091.
58. Wang, B., **J.-Y. Lee***, and B. Xiang, 2015: Asian summer monsoon rainfall predictability: A predictable mode analysis. *Clim. Dyn.*, **44**, 61-74.

2014

57. Seo, Y.-W., H.-J. Kim, K.-S. Yun, **J.-Y. Lee**, K.-J. Ha*, and J.-Y. Moon, 2014: Future change of extreme temperature climate indices over East Asia with uncertainties estimation in the CMIP5. *Asia-Pacific J. Atmos. Sci.*, **50**(1), 609-624.
56. Moon, H. J., B.-H. Kim, H.-E. Oh, **J.-Y. Lee**, and K.-J. Ha*, 2014: Future change using the CIMP5 MME and Best models: I. Near and long-term future change of temperature and precipitation over East Asia. *Atmos.* **24**(3), 403-417.
55. Alessandri, A.*, M. De Felice, N. Zeng, A. Mariotti, Y. Pan, A. Cherchi, **J.-Y. Lee**, B. Wang, K.-J. Ha, P. Ruti, and V. Artale, 2014: Robust assessment of the expansion and retreat of Mediterranean climate in the 21st century. *Nature-Scientific Reports*, **4**, doi:10.1038/sprep07211.
54. Neena, J. M.*, X. Jiang, D. Waliser, **J.-Y. Lee**, and B. Wang, 2014: Eastern Pacific intraseasonal variability: A predictability perspective. *J. Clim.* **27**, 8869-8883.
53. Xiang, B., B. Wang, J. Li, M. Zhao, and J.-Y. Lee, 2014: Understanding the anthropogenically forced change of equatorial Pacific trade winds in coupled climate models. *J. Clim.*, **27**, 8510-8526.
52. Yun, K.-S., Y.-W. Seo, K.-J. Ha, **J.-Y. Lee***, and Y. Kajikawa, 2014: Interdecadal changes in the Asian winter monsoon variability and its relationship with ENSO and AO. *Asia-Pacific J. Atmos. Sci.*, **50**, 531-540 (2014. 8)
51. Yun, K.-S., **J.-Y. Lee**, and K.-J. Ha*, 2014: Recent intensification of the South and East Asian monsoon contrast associated with an increase in the zonal tropical SST gradient. *J. Geophys. Res.*, **119**, 8104-8116
50. Jia, XiaoJing, **J.-Y. Lee***, L. Hai, A. Alessandri, and K.-J. Ha, 2014: Interdecadal change in the Northern Hemisphere seasonal climate prediction skill: Part II. Predictability and Prediction Skill. *Clim. Dyn.*, **43**, 1611-1630
49. Jia, XiaoJing, **J.-Y. Lee***, L. Hai, A. Alessandri, and K.-J. Ha, 2013: Interdecadal change in the Northern Hemisphere seasonal climate prediction skill: Part I. The leading forced mode of atmospheric circulation. *Clim. Dyn.*, **43**, 1595-1609
48. Chu, J. E., K.-J. Ha, **J.-Y. Lee***, B. Wang, B.-H. Kim, and E. C. Chung, 2013: Future change of the Indian Ocean basin0wide and dipole modes in the CMIP5. *Clim. Dyn.* in press, Doi:10.1007/s00382-013-2002-7
47. Xiang, B.*, B. Wang, A. Lauer, **J.-Y. Lee**, and Q. Ding, 2013: Upper tropospheric warming intensifies sea surface warming. *Clim. Dyn.* in press, Doi:10.1007/s00382-013-1928-0
46. Neena, M. J.*, **J.-Y. Lee**, D. Waliser, B. Wang, and X. Jiang, 2014: Predictability of the Madden-Julian Oscillation in the Intraseasonal Variability Hindcast Experiment (ISVHE). *J. Clim.*, **27**, 4531-4543.
45. **Lee, J.-Y.**, B. Wang, K.-H. Seo* J.-S. Kug, Y.-S. Choi, Y. Kosaka, and K.-J. Pa, 2014: Future change of Northern Hemisphere summer tropical-extratropical teleconnection in CMIP5 models. *J. Clim.* in press. Doi:10.1175/JCLI-D-13-00261.1

44. Chowdary, J. S., R. Attada, **J.-Y. Lee***, Y. Kosaka, J.-J. Luo, C. Gnanaseelan, A. Parekh, and D.-Y. Lee, 2014: Seasonal prediction of distinct climate anomalies in the summer 2010 over the tropical Indian Ocean and South Asia. *J. Meteorol. Soc. Jpn.*, 92, 1-16
43. Wang, B., S.-Y. Yim, **J.-Y. Lee***, J. Liu, and K.-J. Ha, 2014: Future change of Asian-Australian monsoon under RCP4.5 anthropogenic warming scenario. *Clim Dyn*, 83-100, doi: 10.1007/s00382-013-1769-x.
42. **Lee, J.-Y.**, and B. Wang*, 2014: Future change of global monsoon in the CMIP5. *Clim Dyn*, 101-119 Doi: 10.1007/s00382-012-1564-0.

2013

41. Sooraj, K. P.*, K.-H. Seo, B. Wang, and **J.-Y. Lee**, 2012: Recent tendency to drought events over the Central Indian region: Pacific Ocean origin and insights from moisture budgets. *International J. of Climatology*, 33, 2781-2798.
40. Fu, X.*, **J.-Y. Lee**, P. C. Hsu, H. Taniguchi, B. Wang, W. Wang, and S. Weaver, 2013: Multi-model MJO forecasting during DYNAMO/CINDY period. *Clim Dyn*, 41, 1067-1081
39. Fu, X.*, **J.-Y. Lee**, B. Wang, W. Wang, and F. Vitart, 2013: Intraseasonal forecasting of Asian summer monsoon in four operational and research models. *J. Climate*, 26, 4186-4203
38. **Lee, J.-Y.**, S.-S. Lee, B. Wang, K.-J. Ha*, and J.-G. Jhun, 2013: Seasonal prediction and predictability of the Asian winter temperature variability. *Clim Dyn*, 41, 573-587
37. Lee, S.-S., **J.-Y. Lee***, K.-J. Ha, B. Wang, A. Kitoh, Y. Kajikawa, and M. Abe, 2013: Role of Tibetan Plateau on climatological annual variation of mean atmospheric circulation and storm track activity. *J. Climate*, 26, 5270-5286.
36. Moon, J.-Y., B. Wang, K.-J. Ha*, and **J.-Y. Lee**, 2013: Teleconnections associated with Northern Hemisphere summer monsoon intraseasonal oscillation. *Clim Dyn*, 40 (11-12), 2761-2774.
35. Shen, S. S. P., **J.-Y. Lee**, and W. K. M. Lau, 2013: Bayesian optimal blending and credible interval estimation for satellite and ground rainfall observations. *Adv. Adapt. Data. Anal.*, 5(2), 1350006.
34. Wang, B.*, B. Xiang, and **J.-Y. Lee**, 2013: Subtropical high predictability establishes a promising way for monsoon and tropical storm prediction. *PNAS*, 110 (8), 2718-2722, doi:10.1073/pnas.1214626110.
33. Liu, J., B. Wang, M. Cane*, S.-Y. Yim, and **J.-Y. Lee**, 2013: Divergent global precipitation changes induced by natural versus anthropogenic forcing. *Nature*, 493, 656-659. Doi:10.1038/nature11784.
32. **Lee, J.-Y.***, B. Wang, M. Wheeler, X. Fu, D. Waliser, and I.-S. Kang, 2013: Real-time multivariate indices for the boreal summer intraseasonal oscillation over the Asian summer monsoon region. *Clim Dyn*, 40, 493-509. Doi: 10.1007/s00382-012-1544-4

2012

31. Kosaka, Y.*, J. S. Chowdary, S.-P. Xie, Y.-M. Min, and **J.-Y. Lee**, 2012: Limitations of seasonal predictability for summer climate over East Asia and the Northwestern Pacific. *J. Climate*, 25, 7574-7589. Doi:10.1175/JCLI-D-12-00009.1
30. Yeh, S.-W., Y.-G. Ham*, **J.-Y. Lee**, 2012: Changes in the tropical Pacific SST trend from CMIP3 to CMIP5 and its implication of ENSO. *J. Climate*, 25, 7764-7771. Doi:10.1175/JCLI-D-12-00304.1
29. Ha, K.-J., J.-E. Chu, **J.-Y. Lee***, B. Wang et al., 2012: What causes cool summer over northern Central Asia, East Asia, and central North America during 2009? *Environ. Res. Lett.*, 7, 44015, doi:10.1088/1748-9326/7/4/044015
28. Jia, X.*, H. Lin, **J.-Y. Lee**, and B. Wang, 2012: Season-dependent forecast skill of the dominant atmospheric circulation patterns over the Pacific North-American region. *J. Climate*, 25, 7248-7265, Doi:10.1175/JCLI-D-11-00522.1
27. Liu, Jian*, B. Wang, S.-Y. Yim, **J.-Y. Lee**, J.-G. Jhun, and K.-J. Ha, 2012: What drives the global summer monsoon over the past millennium? *Clim. Dyn.*, 39, 1063-1072
26. Kug, J.-S., Y.-G. Ham*, **J.-Y. Lee**, and F.-F. Jin, 2012: Improved simulation of two types of El Nino in CMIP5 models. *Environ. Res. Lett.* 7, 034002, doi:10.1088/1748-9326/7/3/034002
25. Wang, H., B. Wang, F. H., Q. Ding, and **J.-Y. Lee**, 2012: Interdecadal change of the boreal summer circumglobal teleconnection (1958-2010). *Geophys Res Lett*, 39, L12704, doi:10.1029/2012GL052371
24. Lee, S.-S., **J.-Y. Lee**, B. Wang, K.-J. Ha*, K.-Y. Heo et al. 2012: Interdecadal changes in the storm track activity over the North Pacific and North Atlantic. *Clim Dyn*, 39, 313-327.
23. Jeong, H.-I., D.-Y. Lee, K. Ashok*, J.-B. Ahn, **J.-Y. Lee** et al. 2012: Assessment of the APCC coupled MME suite in predicting the distinctive climate impacts of two flavors of ENSO during boreal winter. *Clim Dyn*, 39, 475-493
22. Hsu, P.-C.*, T. Li, Y.-C. Lin, M.-M. Lu, and **J.-Y. Lee**, 2012: A spatial-temporal projection method for seasonal prediction of spring rainfall in Northern Taiwan. *J. Meteor. Soc. Japan*, 90(2), 179-190.
21. Sohn, S.-J., Y.-M. Min, **J.-Y. Lee***, C.-Y. Tam et al. 2012: Assessment of probabilistic long-lead prediction of the APCC multi-model system and statistical model for the Asian summer monsoon precipitation (1983-2010). *JGR*, 117, D04102, doi:10.1029/2011JD016308

2011

20. Lee, S.-S., **J.-Y. Lee**, B. Wang, F.-F. Jin, W.-J. Lee, and K.-J. Ha*, 2011: A comparison of climatological subseasonal variations in the wintertime storm track activity between the North Pacific and Atlantic: local energetics and moisture effect. *Clim Dyn*, 37, 2455-2469
19. **Lee, June-Yi***, B. Wang, Q. Ding, K.-J. Ha, J.-B. Ahn, A. Kumar, B. Stern, and O. Alves, 2011: How predictable is the northern hemisphere summer upper-tropospheric circulation? *Clim Dyn*, 37, 1189-1203,
18. Fu, Xiouhua*, B. Wang, **J.-Y. Lee**, W. Wang, and Li. Gao, 2011: Sensitivity of dynamical

intraseasonal prediction skills to different initial conditions. *Mon Wea Rev*, 139, 2572-2592

17. Seo, Kyong-Hwan, Jun-Hyeok Seo, and **June-Yi Lee**, 2011: A new look at Changma, *Atmos Kor Meteor Soc*, 21(1), 109-121
16. Lee, S.-S., **June-Yi Lee***, K.-J. Ha, B. Wang, J. K. E. Schemm, 2011: Deficiencies and possibilities for long-lead coupled climate prediction of the Western North Pacific-East Asian summer monsoon. *Clim Dyn*, 36, 1173-1188, doi:10.1007/s00382-010-0832-0.

1999-2010

15. **Lee, June-Yi***, B. Wang, I.-S. Kang, J. Shukla et al., 2010: How are seasonal prediction skills related to models' performance on mean state and annual cycle? *Clim. Dyn*, 35, 267-283, DOI 10.1007/s00382-010-0857-4.
14. Chowdary, J.*, S.-P. Xie, **J.-Y. Lee**, Y. Kosaka, and B. Wang, 2010: Predictability of summer Northwest Pacific climate in eleven coupled model hindcasts: local and remote forcing. *J. Geophys. Res.*, 115, D22121, doi:10.1029/2010JD014595.
13. Wang, Bin*, **June-Yi Lee**, J. Shukla, I.-S. Kang, C.-K. Park and et al., 2009: Advance and prospectus of seasonal prediction: Assessment of APCC/CliPAS 14-model ensemble retrospective seasonal prediction (1980-2004). *Clim. Dyn.* 33, 93-117.
12. Fu, X.*, B. Wang, Q. Bao, P. Liu, and **J.-Y. Lee**, 2009: Impacts of initial conditions on monsoon intraseasonal forecasting, *Geophys. Res. Lett.*, 36, L08801, doi:10.1029/2009GL037166.
11. Wang, Bin*, **June-Yi Lee**, I.-S. Kang, J. Shukla, J.-S. Kug, A. Kumar, J. Schemm, J.-J. Luo, T. Yamagata, and C.-K. Park, 2008: How accurately do coupled climate models predict the leading modes of Asian-Australian monsoon interannual variability? *Clim. Dyn.* 30, 605-619,
10. Kug, J.-S.*, **J.-Y. Lee**, I.-S. Kang, B. Wang, and C.-K. Park, 2008: Optimal multi-model ensemble method in seasonal climate prediction. *Asian Pacific J. Atmos. Sci*, 44, 259-267.
9. Kug, J.-S.*, **J.-Y. Lee**, and I.-S. Kang, 2008: Systematic error correction of dynamical seasonal prediction using a stepwise pattern project method (SPPM). *Mon. Wea. Rev.* 136, 3501-3512.
8. Kim, H.-M.*, I.-S. Kang, B. Wang, and **J.-Y. Lee**, 2008: Interannual variations of the boreal summer Intraseasonal variability predicted by ten atmosphere-ocean coupled models. *Clim. Dyn.*, 30, 485-496.
7. Kug, J.-S.*, **J.-Y. Lee**, and I.-S. Kang, 2007: Global sea surface temperature prediction using multi-model ensemble. *Mon Wea Rev*, 135, 3239-3247.
6. Kug, J.-S.*, I.-S. Kang, **J.-Y. Lee**, and J.-G. Jhun, 2004: A statistical approach to Indian Ocean sea surface temperature prediction using a dynamical ENSO prediction. *Geophys. Res. Lett.* 31:09212,doi:10.1029.
5. Kang, In-Sik*, **June-Yi Lee**, and Chung-Kyu Park, 2004: Potential predictability of summer mean precipitation in a dynamical seasonal prediction system with systematic error correction. *J. Climate*, 17, 834-844.
4. Lau, K.-M*., **J.-Y. Lee**, K.-M. Kim, and I.-S. Kang, 2004: The North Pacific as a regulator of summertime climate over Eurasia and North America. *J. Climate* 17, 819-833.

3. Wang, Bin*, In-Sik Kang, and **June-Yi Lee**, 2004: Ensemble simulations of Asian-Australian monsoon variability by 11 AGCMs. *J. Climate* 17, 803-818.
2. Ho, Chang-Hoi*, **June-Yi Lee**, Myoung-Hwan Ahn, and Hee-Sang Lee, 2003: A sudden change in summer rainfall characteristics in Korea during the late 1970s. *Int. J. Climatol.* 23, 117-128.
1. **Lee, June-Yi.**, In-Sik. Kang, and Chang-Hoi Ho, 1999: A statistical model for the long-range forecast of spring temperature in Korea. *J. Korean Meteor. Soc.*, 35, 372-383.