Publications (compiled bibliography)

i. Dryline, lee vortex, and local circulation in Taiwan


Sun, W. Y. and J. D. Chern, 2004: Numerical study of influence of mountain ranges on Mei-yu front. (under revision)

ii. Regional climate modeling of floods and drought


Sun, W. Y. and J.D. Chern, 2004: One dimensional snow-land surface model applied to Sleepers experiment. (submitted for possible publication)


Sun, W. Y. and J. D. Chern, 1999: Numerical simulation of Southeast Asia weather in May–June of 1998. Preprint Workshop on Regional Climate. The Center of Ocean Research; March 11, 1999; National Taiwan University, Taipei, Taiwan. 12.


iii. Severe weather, cloud, and cumulus parameterization


iv. Nonhydrostatic models

Hsu, W. R., J. P. Hou, C. C. Wu, and W. Y. Sun, 2004: Large-eddy simulation of cloud streets over the east China sea during cold-air outbreak events. 16th Symposium on Boundary Layer and Turbulence; August 9-13, 2004; Portland, Maine.


Hsu, W.-R, C.-C. Wu, and W. Y. Sun, 2002: A numerical study of a sea-breeze front and its interaction with the convective boundary layer over land during CAPE. The 27th General Assembly of the European Geophysical Society; April 21–26, 2002; Nice, France.


v. Land surface and Planetary Boundary Layer (PBL)

Hsu, W. R., J. P. Hou, C. C. Wu, and W. Y. Sun, 2004: Large-eddy simulation of cloud streets over the east China sea during cold-air outbreak events. 16th Symposium on Boundary Layer and Turbulence; August 9-13, 2004; Portland, Maine.


Sun, W. Y. and J.-D. Chern, 2004: One dimensional snow-land surface model applied to Sleepers experiment. (will appear in Boundary Layer Meteorol.)


vi. Rainband and symmetric instability


Purdue Mesoscale Modeling Laboratory
http://www.purdue.edu/mml/
Publications (compiled bibliography)
vii. Numerical schemes


xiii. Dust storms/aerosoles and ozone


ix. Other research areas


