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Degrees:

1988 Ph.D. in Atmospheric Sciences, Univ. of Ill at Urbana-Champaign, Urbana, Illinois

1982 M.S. in Atmospheric Sciences, Univ. of Ill at Urbana-Champaign, Urbana, Illinois

1978 B.S. in Atmospheric Physics, National Central University, Chungli, Taiwan

Positions:

Research Meteorologist, GS-14, step-6, NCEP/EMC; co-chair, international RSM workshops; invited lecturer and consultant, NCU, CWB of Taiwan, NSU of Singapore, YSU of Korea, NMEFS of China; graduate faculty staff, U of Hawaii; board member and vice president, COAA; member AGU, AMS; Co-PI NOAA CDEP.

Some Relevant Peer Reviewed Publications

Juang, H.-M. H., W.-K. Tao, X. Zeng, C.-L. Shie, S. Lang, and J. Simpson, 2007: Parallelization of the NASA Goddard Cumulus Ensemble Model for Massively Parallel Computing. TAO Vol. 18 (in press)

Shiao, C.-H., and H.-M. H. Juang, 2006: Sensitivity Study of the Climate Simulation over East Asia with the CWB Regional Spectral Model. TAO Vol. 17 No.3, 593-612.

Xue, Y., F. de Sales, W.-P. Li, C. R. Mechoso, C. A. Nobre, and H.-M. Juang, 2006: Role of Land Surface Processes in South American Monsoon Development. Journal of Climate, 19, 741–762

Shiao, C.-H., and H.-M. H. Juang, 2005: Regional climate simulation over east Asia on 2001 and the mean bias correction method for NCEP regional spectral model. Atmospheric Sciences, 33, no. 3, 235-254. (in Chinese)

Juang, H.-M.H., C.-T. Lee, Y. Zhang, Y. Song, M.-C. Wu, Y.-L. Chen, K. Kodama, and S.-C. Chen, 2005: Applying horizontal diffusion on pressure surface to mesoscale models on terrain-following coordinates. Monthly Weather Review, 133, 1384-1402

Mo, K. C., J.-K. Schemm, H.-M. H. Juang, R. W. Higgins, and Y. Song, 2005: Impact of model resolution on the prediction of summer precipitation over the United States and Mexico. J. Climate, 18, 3910-3927

Juang, H.-M.H., C.-H. Shiao, and M.-D. Cheng, 2003: The Taiwan Central Weather Bureau Regional Spectral Model for Seasonal Prediction: Multiparallel Implementation and Preliminary Results. Mon. Wea. Rev., 131, 1832-1847.

Juang, H.-M. H., S.-Y. Hong and M. Kanamitsu, 1997: The NCEP regional spectral model: an update. Bulletin Amer. Metero. Soc., 78, 2125-2143.

Juang, H.-M.H. and M. Kanamitsu, 1994: The NMC nested regional spectral model. Mon. Wea.

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