

Curriculum Vita Tiruvalam N. Krishnamurti

U.S. citizen

Present position: Robert O. Lawton Distinguished Professor, Department of Meteorology
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Education: Ph.D. Meteorology, University of Chicago. Dissertation advisor Herbert Riehl
M.S. Meteorology, Andhra University
B.Sc. Physics (Honors), Delhi University

Recognition & Awards:

Honorary Elected Member, American Meteorological Society, Jan. 2008

Graduate Mentor Award , Florida State University, April 2007

Professorial Excellence Program Award, Florida State University, April 1997

International Meteorological Organization Prize, June 1996. Awarded by the World Meteorological Organization. The award is the most prestigious international award in the field of meteorology and includes a gold medal, certificate and cash award.

Associate Editor, Monthly Weather Review, 2003 – continuing

Science Team Member NASA TRMM (Tropical Rainfall Measurement Mission)
(1991 - continuing)

Director NOAA/FSU Cooperative Institute of Tropical Meteorology (CITM) (1993-99)

Co-Chief Editor, Monthly Weather Review (1991-1994)

Member National Academy Board on Atmosphere and Climate (1989 - 1991)

Florida Scientist of the Year Award (1986)

Robert O. Lawton Distinguished Professor Award (1985). The highest honor the University can bestow upon its faculty.

Carl Gustaf Rossby Research Medal (1985). The highest award of the American Meteorological Society.

Fellow: Royal Meteorological Society and American Meteorological Society.

Second Half-Century Award, the Charney Award (1974). The second highest award of The American Meteorological Society.

Relevant Publications

- Krishnamurti, T.N., A.K. Mishra, A. Simon and Akio Yatagai, 2009. Use of a dense rain gauge network over India for improving blended TRMM products and downscaled weather models. Accepted for publication *J. Meteor. Soc. Japan*.
- Krishnamurti, T.N., A.K. Mishra, Arindam Chakraborty and M. Rajeevan, 2009. Downscaling strategy for improved precipitation forecasts over India. Part I: Medium range weather prediction. Accepted for publication *Mon. Wea. Rev.*
- Mitra, A.K., A.K. Bohra, M.N. Rajeevan and T.N. Krishnamurti, 2009. Daily large-scale monsoon rainfall for India region with merged TRMM TMPA”3B42 and gauge values. Accepted for publication *J. Meteor. Soc. Japan*.
- Krishnamurti, T.N., C. Gnanaseelan, A.K. Mishra and A. Chakraborty, 2008. Improved forecasts of diurnal cycle in tropics using multiple global models. Part I: Precipitation. *Journal of Climate*, **21**, 4029-4043.
- Krishnamurti, T.N., S. Pattnaik, and D.V.B. Rao, 2007. Mesoscale moisture initialization for monsoon and hurricane forecasts. *Mon. Wea. Rev.*, **135**, 2716-2736.
- Krishnamurti, T.N., C. Gnanaseelan and A. Chakraborty, 2007. Prediction of the diurnal change using a multimodel superensemble. Part I: Precipitation. *Mon. Wea. Rev.*, **135**, 3613-3632.
- Chakraborty, A., T.N. Krishnamurti and C. Gnanaseelan, 2006. Prediction of the diurnal cycle of clouds using a multimodel superensemble and ISCCP datasets. *Proceedings of The International Society for Optical Engineering*, **6404**, 64040A-1 thru. 64040A-6
Chairs/Editors, T.N. Krishnamurti, B.N. Goswami and Toshiki Iwasaki.
- Tao, W.-K., E.A. Smith, R. Adler, Z. Haddad, A. Hou, T. Iguchi, R. Kakar, T. Krishnamurti, C. Kummerow, S. Lang, R. Meneghini, K. Nakamura, K. Okamoto, W. Olson, S. Satoh, S. Shige, J. Simpson, Y. Takayabu, G. Tripoli and S. Yang, 2006. Latent heating from TRMM satellite measurements. *Bull. Amer. Meteor. Soc.*, **87**, 1555+
- Krishnamurti, T.N., J. Sanjay, A.K. Mitra and T.S.V. Kumar, 2004. Determination of forecast errors arising from different components of a model physics and dynamics. *Mon. Wea. Rev.*, **132**, 2570-2594.
- Rajendran, K., T.N. Krishnamurti, V. Misra and W.-K. Tao, 2004. An empirical cumulus parameterization scheme for a global spectral model. *J. Met. Soc. Japan*, **82**, 989-1006.
- Krishnamurti, T. N., and J. Sanjay, 2003. A New Approach to the Cumulus Parameterization Issue. *Tellus*, **55A**, 275-300.
- Shin, D.W. and T.N. Krishnamurti, 2003. Short-to medium range superensemble precipitation forecasts using satellite products. Part II: Probabilistic forecasting. *J. Geophys. Res.*, **108** (D8).