

Mark DeMaria, Ph.D.

Chief, Technology and Science Branch National Hurricane Center

Mark DeMaria is the Chief of the Technology and Science Branch (TSB) Chief at NOAA's National Hurricane Center in Miami. The Technology and Science Branch is responsible for application development, transfer of research to operations to improve tropical cyclone and tropical marine forecasts, and support of NHC's computer infrastructure and data flow.

DeMaria received his Bachelor of Science degree in Meteorology from Florida State University in 1977 and his Master of Science and Doctor of Philosophy degrees in Atmospheric Science in 1979 and 1983, respectively.

DeMaria began his career in Meteorology as a faculty member in the Department of Marine and Atmospheric Science, and his career with NOAA in 1987 in its Hurricane Research Division. During his eight years at HRD he worked on tropical cyclone modeling, data assimilation, and development of statistical models for prediction of hurricane track and intensity. From 1995-1998 he served as the NHC TSB Chief, and from 1999-2013 as the



Regional and Mesoscale Meteorology Branch Chief at the NESDIS Center for Satellite Applications and Research, co-located with Colorado State University. During this time, he developed satellite applications to tropical cyclone analysis and forecasting, and led the development of NHC's wind speed probability program. DeMaria returned to NHC in 2014, again as the TSB Chief.

Since 1981, DeMaria has published more than 75 articles on tropical cyclones, numerical weather prediction, and satellite and mesoscale meteorology in the refereed literature. He has received the Banner Miller Award from the American Meteorological Society four times for his work on tropical cyclone forecasting as well as seven NOAA and Department of Commerce Gold, Silver and Bronze Medals. He also received the NOAA Distinguished Career Award in 2014.



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