
James D. Doyle



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Dr. Doyle is the Senior Scientist of the U.S. Naval Research Laboratory (NRL), Marine Meteorology Division (MMD) in Monterey, CA. He leads a multi-disciplinary program of scientific and applied research in marine meteorology and related atmospheric sciences focused on developing new numerical analysis and prediction systems to support Navy and DoD operations, and to provide new understanding of the environment including its impacts on Naval platforms, sensors, and systems.

Dr. Doyle was appointed to the Senior Executive Service in December 2017 and has over 25 years of civilian Federal service. He joined NRL in 1992 as a research meteorologist and served as the head of the Mesoscale Modeling Section in the Atmospheric Dynamics and Prediction Branch from 1997-2017. He has been a Visiting Scientist at the European Centre for Medium-Range Weather Forecasts. He is the scientific lead and one of lead developers of the Navy's Coupled Ocean/Atmosphere Mesoscale Prediction System (COAMPS) and COAMPS-Tropical Cyclone (COAMPS-TC), which are used to support operational Navy and DoD interests globally, as well as basic and applied research. Dr. Doyle is an internationally recognized expert in mesoscale meteorology and numerical weather prediction. Dr. Doyle has performed innovative research and published extensively in peer-reviewed journals on many different aspects of basic and applied meteorology and his research has resulted in significant scientific advancements in the understanding of environmental phenomena and processes, as well as marked improvements in our capabilities to predict the environment with greater accuracy and fidelity. His expertise and collaboration has been frequently sought from U.S. and foreign universities, industries, government agencies and other NRL and Navy organizations.

Dr. Doyle is a fellow of the American Meteorological Society, recipient of the Top Navy Scientists and Engineers of the Year Award (2007), the Arthur Bisson Prize for Naval Technology Achievement (2015), several NRL Technology Transfer Awards, NRL 75th Anniversary Award for Innovation (1998). He has published over 160 peer-reviewed publications and has received nine NRL Alan Berman Research Publication Awards. Dr. Doyle has served as an editor of several leading scientific journals and currently serves on numerous panels and boards including a two-year National Academy Committee.

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