Angelyn Moore – 2023 Professional Excellence Government/Regulatory Award Winner

Angelyn Moore is a Scientist in the Ionospheric and Atmospheric Remote Sensing group at the Jet Propulsion Laboratory, California Institute of Technology. She completed a B.S. at Harvey Mudd College, M.S. at California State University Los Angeles, and Ph.D. at the University of California Riverside, all in physics.

Angie, who considers herself to be a generalist, has spent 28 years in various roles furthering JPL’s end-to-end capabilities in geodetic GPS. She re-architected software for remote autonomous operation of globally-deployed geodetic GPS sites, improving the reliability of data delivery. She was also a project manager serving as the Central Bureau Deputy Director and Network Coordinator of the International GNSS Service (IGS), ensuring integrity of data in a heterogeneous network of 200+ stations operated by 75+ global agencies. After stepping down from her IGS role, Angie returned to science to perform complex analysis of GPS data for study of the earthquake cycle, and formed a collaboration with the National Weather Service that resulted in improved forecaster situational awareness via ground GPS water vapor estimates. Most recently, while continuing her solid earth and tropospheric research, she has been the lead developer for determining ionospheric total electron content using ground GPS, enabling both ionospheric science as well as calibrations for the Deep Space Network’s tracking of JPL’s space missions. She also serves as Chair of the Data Products and Services Advisory Committee for the EarthScope Consortium’s Geodetic and Seismological Facilities for the Advancement of Geoscience (GAGE and SAGE), funded by the National Science Foundation, NASA, and the U.S. Geological Survey.

Angie’s prior awards include a NASA Exceptional Scientific Achievement Medal, a JPL Ranger Award, several NASA and JPL Group and Team awards, and inclusion in GPS World’s 50+ Leaders to Watch.

Angie presented a popular video Hyperwall talk entitled “How We Use GPS to Study Earthquakes, Weather, and Hydrology” to the public for several years at JPL’s Open House and Explore JPL events. As an undergraduate, Angie resided in a dormitory that had more residents named Dave than women. She
is appreciative of the recognition from the AWG and its mission to introduce girls and young women to geoscience careers.