

Paul McKenna has been with NTIA's Institute for Telecommunication Sciences (ITS) as an Electronics Engineer since 1998. From 1982 to 1998, Mr. McKenna held the position of Staff Scientist with Electro Magnetic Applications, Inc. in its Lakewood, CO office. Mr. McKenna received an M.S. (Astro-Geophysics) from the University of Colorado, Boulder, CO in 1983 and an A.B. (Astronomy, m.c.l.) from Harvard University, Cambridge, MA in 1974. From 1974 to 1977, Mr. McKenna taught A- and O-level Physics and Mathematics at Nyeri High School, Nyeri, Kenya, as a U.S. Peace Corps volunteer. Mr. McKenna is a Member of the IEEE. He was the international chairman of Task Group 3/2 of the ITU-R Study Group 3 and regularly participates in Working Parties 3J, 3K and 3M of Study Group 3 as a U.S. delegate.

Mr. McKenna's work at ITS is generally concerned with the development and application of electromagnetic wave propagation predictive models, including both empirical and deterministic models employed in a wide variety of settings and applications. These models include the Okumura-Hata, the FCC-Carey Curves, the Irregular Terrain Model (ITM), the Terrain Integrated Rough Earth Model (TIREM), ITU-R Recommendations P.452 and P.1546 and the Millimeter (Wave) Propagation Model (MPM). In addition, Mr. McKenna's work includes research and development on other computational electromagnetics models and methods, including Fresnel-Kirchhoff, Parabolic Equation, Finite Difference Time Domain (FDTD), Ray Tracing and hybrid Integral Equation methods, as these apply to a range of wave propagation, scattering and coupling problems.

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