

## John C. Kean

**Senior Engineer, Cavell Mertz & Associates**

John joined National Public Radio in 1980, after being chief engineer for a San Diego radio station, to work on technology projects and FCC regulatory activities for NPR. In 1986 he joined Jules Cohen and Associates, and then Moffet, Larson and Johnson in 1988, consulting on broadcast and telecommunications projects. He returned to NPR in 2004 to help establish NPR Labs, developing and evaluating new technologies, procedures and standards for public radio. His work there ranged from audio metrics and loudness to digital audio broadcasting, RF signal propagation analysis and signal coverage mapping.

John retired from NPR in 2015 and now works with Cavell Mertz and Associates on broadcast consulting projects as performs audio consulting in private practice as Kean Consultants LLC. He contributed to the Audio Engineering Society's recent *Recommendation for Loudness of Audio Streaming and Network File Playback* and is currently active in an AES Technical Committee to develop audio metrics for online video services.

John was a past president of the IEEE Broadcast Symposium and the Washington DC Section of the AES, and is a contributing author to the NAB Engineering Handbook, editions 7, 8, 9 and 11. He is a frequent author and presenter for the NAB's Broadcast Engineering Conference and a recipient of the Association of Public Radio Engineers' Engineering Achievement Award. He holds a U.S. patent for an algorithm to determine digital broadcast radio coverage.