

**BIO FOR  
COMMITTEE ON NOMINATIONS**

**Name:** Richard F. Bradley

**Present Position:** Scientist / Senior Research Engineer

**Organization:** National Radio Astronomy Observatory

**Chapter Affiliation:** None

**Biographical Information:** Richard Bradley earned the B.S.E.E and M.S.E.E degrees in 1982, 1983 from Carnegie-Mellon University, and the Ph.D degree in E.E. from the University of Virginia in 1992. In 1981 and 1983 he held internships with the National Radio Astronomy Observatory (NRAO) in Green Bank, WV where he developed instrumentation for laboratory and field work associated with astronomy systems. Upon successful completion of his masters thesis in 1983 investigating novel electrohydrodynamic effects on heat transfer, he joined the NRAO staff in Green Bank as a radio frequency engineer where he designed low noise, cryogenic receivers for the 300 ft and 140 ft radio telescopes before moving to Charlottesville, VA in 1987 to pursue his doctorate, specializing in semiconductor devices and nonlinear circuit dynamics.

Upon completing his Ph.D, he joined the NRAO Central Development Laboratory in Charlottesville where he is currently a Staff Scientist and Senior Research Engineer. He is also a research professor in the Dept. of Astronomy and holds an adjunct faculty position in the Dept. of Electrical and Computer Engineering at the University of Virginia. As both an active scientist and engineer, he serves as a liaison among researchers to develop and optimize instruments for a wide variety of forefront scientific applications in the challenging field of radio astronomy. He has contributed to a wide range of radio instrumentation research and development initiatives including pioneering studies in radio interference mitigation and focal plane phased arrays. His scientific interests include cosmology, fundamental particle physics, ionospheric physics, and helophysics. His technology experience spans radio astronomy receivers, scientific instrumentation, low noise electronics, electromagnetic fields, signal processing, and spacecraft-borne radiometers.