

Richard D. Hazeltine
Professor of Physics
University of Texas at Austin

Richard Hazeltine is a graduate of Harvard College (A.B., 1964) and the University of Michigan (Ph.D., 1968). He spent two years at the Institute for Advanced Study in Princeton before joining the University of Texas in 1971. In 1980 he helped establish the Institute for Fusion Studies at Texas, and served for about ten years, beginning in 1991, as Institute Director.

As a theoretical plasma physicist, Hazeltine has worked in transport theory, plasma stability theory and nonlinear fluid modeling. His scientific interests extend from plasma confinement to such topics as nonlinear dynamics, cosmology and quantum decoherence. He is co-author of the books *Plasma Confinement* (with J. D. Meiss, 1992) and *The Framework of Plasma Physics* (with F. L. Waelbroeck, 1999). He has published about 120 papers on plasma physics and related topics.

Hazeltine has been Chair of the Fusion Energy Sciences Advisory Committee, US Department of Energy, since 2000 and he serves on a number of other advisory panels. He served on the Board on Physics and Astronomy of the National Research Council (NRC) and the Plasma Science Committee of the NRC. He has been Chair of the Division of Plasma Physics of the American Physical Society (APS), as well as Divisional Councilor to the APS. He chaired the Theory Coordinating Committee for over ten years, and served for several years on the ITER Steering Committee, US Home Team. Previously on the editorial boards of *Physical Review* and *The Physics of Fluids*, Hazeltine served some 8 years as an Associate Editor of *Reviews of Modern Physics*. He is a Fellow of the APS.

Education:

Harvard College 1960-64 A.B. (Physics)
University of Michigan 1966-68 Ph.D. (Physics)

Employment:

1986-Present Professor of Physics, The University of Texas at Austin (UTA)

1991-2002 Director, Institute for Fusion Studies, UTA
1987-1988 Acting Director, Institute for Fusion Studies, UTA
1971-1986 Research Scientist, Fusion Research Center, UTA
1969-1971 Member, Institute for Advanced Study, Princeton
1970 Visiting Scientist, Aspen Center for Physics
1969 Research Scientist, U. S. Naval Research Lab
1968 Lecturer in Physics, University of Michigan

Awards and Representative Present Activities:

Sigma XI, Phi Kappa Phi, Harvard College Scholar, Horace H. Rackham Pre-doctoral Fellow
Fellow, American Physical Society
Teaching Excellence Award, College of Natural Sciences, UTA
Fusion Power Associates Leadership Award
Chair, Fusion Energy Sciences Advisory Committee, US Department of Energy
Chair, Advisory Council for the Program in Plasma Physics, Princeton Corporation Visiting Committee, Department of Nuclear Engineering, MIT

Representative Past Activities:

Board on Physics and Astronomy, National Research Council
Editorial Boards: Reviews of Modern Physics (1989-1997); Physical Review A (1978-1979); The Physics of Fluids (1978-1980)
Councilor, American Physical Society
Chair, Theory Coordinating Committee, US Magnetic Fusion Program
Chair, Division of Plasma Physics, American Physical Society
Chair, Program Advisory Committee, General Atomic Company
Chair, Theory Advisory Board, Plasma Fusion Center, MIT
Chair, Program Advisory Committee for Theory, Princeton
Steering Committee, International Thermonuclear Experimental Reactor

Publications:

Two textbooks (*Plasma Confinement*, with J. D. Meiss; *The Framework of Plasma Physics*, with F. L. Waelbroeck); approximately 120 technical publications.