

Brief-Biographical Sketch:
Gerald Dennis Mahan



Education:

B.A., Harvard College, Physics, 1959
Ph.D. University of California, Berkeley,
Physics, 1964

Employment:

1963-1967 General Electric Research Laboratory
1967-1973 Associate Professor of Physics,
University of Oregon
1973-1984 Professor of Physics, Indiana
University
1984-2001 Joint Appointment as a Distinguished
Professor, University of Tennessee, and as a
Distinguished Scientist at Oak Ridge National
Laboratory
2001-present Distinguished Professor of
Physics, Pennsylvania State University

Memberships:

American Physical Society (Fellow)
US National Academy of Science
American Academy of Arts and Science
Royal Academy of Arts and Sciences in Gothenberg, Sweden

Books:

1. Many-Particle Physics. Three editions (1980, 1990, 2000)
2. Local Density Theory of Polarizability, coauthored with K.R. Subbaswamy
3. Applied Mathematics (2000)
4. Quantum Mechanics in a Nutshell (Princeton, 2009)
5. Condensed Matter in a Nutshell (Princeton, 2010)

280 Research articles in refereed publications