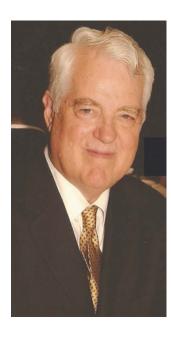
## Brief-Biographical Sketch:

# 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