

VITA

Kenneth G. Wilson

Department of Physics
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The Ohio State University
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Education

Ph.D., California Institute of Technology 1961

Academic Positions/Appointments

Hazel C. Youngberg Trustees Distinguished Professor, The Ohio State University Department of Physics, 1988 to present
Director, Center for Theory and Simulation in Science and Engineering (Cornell Theory Center) 1985-1988
James A. Weeks Professor, Cornell University 1974-1988
Assistant Professor and Professor, Cornell University 1963-1974
Ford Foundation Fellow, CERN 1962
Junior Fellow, Harvard University 1959-62

Honors and Recognition

American Physical Society Fellow 1998
Distinguished Anniversary Fellow, Australian National University 1996
Aneesur Rahman Prize 1993
A.C. Eringen Medal 1984
Nobel Prize for Physics 1982
Franklin Medal 1982
D.Sc. (Honorary), Harvard University 1981
Distinguished Alumni Award, California Institute of Technology 1981
Wolf Prize 1980
Boltzmann Medal 1975
Dannie Heinemann Prize 1973

Recent Synergistic Activities

Board of Directors, National Education Association National Foundation for the Improvement of Education 1997 to 2003.

Board of Governors, Weizmann Institute of Science 1995 to 2000.
Sponsor, *Daedalus* Writers Conferences, The Ohio State University 1996
and 1998.

Present Areas of Research

At the XXII International Symposium on Lattice Field Theory at Fermilab in June, I gave a physics talk that reviews the history of my involvement with lattice gauge theory that was later published as part of the conference proceedings. The talk has aroused enough interest that I will be repeating it in physics colloquiums at MIT and OSU.

I continue to work with Constance Barsky on reviewing and extending our draft manuscript on a paradigm shift in education research.

Recent Publications

"The Origins of Lattice Gauge Theory," *Nuclear Physics B (Proc. Suppl.)* **140** (2005).

"Universality, Marginal Operators, and Limit Cycles," with S. D. Glazek, *Physics Review B* **69** (2004).

"From Social Construction to Questions for Research: The Promise of the Sociology of Science," and "Beyond Social Construction," both with C.K. Barsky, in *The One Culture? A Conversation about Science*, J.A. Labinger and H. Collins, Eds., University of Chicago Press, Chicago and London (2001).

"Applied Research and Development: Support for Continuing Improvement in Education," with C.K. Barsky, *Daedalus*, **127**, 233 (1998).

"Limit Cycles in Quantum Theories," with S.D. Glazek, *Physics Review Letters* **89** (2002).

Redesigning Education, with Bennett Daviss, Henry Holt, Inc. (1994).

Memberships

National Academy of Sciences

American Physical Society

American Academy of Arts and Sciences
American Philosophical Society

Recent Mentees

Hans-Werner Hammer

Billy D. Jones