

BERNARD WIDROW

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Fields of Research

- ADAPTIVE FILTERS AND ADAPTIVE CONTROLS
- ADAPTIVE BEAMFORMING
- ADAPTIVE NEURAL NETWORKS
- PATTERN RECOGNITION
- BIOENGINEERING
- ADAPTIVE GEOPHYSICAL IMAGING
- COGNITIVE MEMORY

Professional Experience

- STANFORD UNIVERSITY, Palo Alto, CA
Professor of Electrical Engineering, Emeritus, 2010 — present
- STANFORD UNIVERSITY, Palo Alto, CA
Professor of Electrical Engineering, 1959 — 2010
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA
Assistant Professor of Electrical Engineering, 1956 — 1959
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA
Lincoln Laboratory Staff, 1951 — 1956
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA
Electrical Engineering Dept. Research Assistant, 1951 — 1956

Education

- SC.D. IN ELECTRICAL ENGINEERING
Massachusetts Institute of Technology, Cambridge, MA, 1956

- S.M. IN ELECTRICAL ENGINEERING
Massachusetts Institute of Technology, Cambridge, MA, 1953
- S.B. IN ELECTRICAL ENGINEERING
Massachusetts Institute of Technology, Cambridge, MA, 1951

Professional Activities

- Chair, Silicon Valley Engineering Council Hall of Fame Awards Committee, 2006-present
- Editorial Board, *Neural Networks*
- Associate Editor, *Circuits, Systems and Signal Processing*
- Associate Editor, *Information Sciences*
- Associate Editor, *Pattern Recognition*
- President, International Neural Network Society, 1989-1990
- Governing Board Member, International Neural Network Society, 1988, 1991
- Chairman, DARPA Neural Network Study, 1987-1988

Distinctions

- Benjamin Franklin Medal, 2001
- IEEE Millenium Medal, 2000
- Silicon Valley Hall of Fame, 1999
- IEEE Signal Processing Society Award, 1999
- Member, National Academy of Engineering, 1995
- IEEE Neural Networks Pioneer Medal, 1991
- IEEE Alexander Graham Bell Medal, 1986
- IEEE Centennial Medal, 1984
- Elected Fellow AAAS, 1980
- Elected Fellow IEEE, 1976
- Franqui Lecture Chair, University of Louvain, Belgium, 1967
- AIEE First Prize, Eighth District, for paper "Statistical Analysis of Amplitude-Quantized Sampled-Data Systems," 1960-1961
- Tau Beta Pi