

## **W.E. Moerner**

**Title:** Harry S. Mosher Professor of Chemistry and Professor, by courtesy, of Applied Physics (b. 1953)

**Education:** B.S., A.B., B.S., 1975, Washington University; M.S., 1978; Ph.D., 1982, Cornell University

**Awards:** IBM Research Staff Member, 1981-1995; Manager, 1988-1989, Project Leader, 1989-1995; Roger I. Wilkinson National Outstanding Young Electrical Engineer, 1984; IBM Outstanding Technical Achievement Awards for photon-gated spectral hole burning, 1988, and for single-molecule detection and spectroscopy, 1992; Elected Fellow, American Physical Society, 1992; Elected Fellow, Optical Society of America, 1992; Guest Professor of Physical Chemistry, Swiss Federal Institute of Technology (ETH-Zurich), 1993-1994; Robert Burns Woodward Visiting Professor, Harvard University, 1997-1998; Professor and Distinguished Chair in Physical Chemistry, University of California, San Diego, 1995-98; Professor of Chemistry, Stanford University, 1998 - ; Earle K. Plyler Prize, 2001; Elected Fellow, American Academy of Arts and Sciences, 2001; Harry S. Mosher Professor, Stanford University, 2002; Geoffrey Frew Fellow, Australian Academy of Sciences, 2003; Fellow, American Association for the Advancement of Science, 2004.

**Research Area:** Physical chemistry, chemical physics, biophysics, nanophotonics, nanoparticle trapping

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