



SECOND INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATIONS AND COOPERATION

Speaker's Biography

George M. Whitesides, Harvard University



Woodford L. and Ann A. Flowers University Professor. Born, 1939, Louisville, KY. A.B., Harvard, 1960. Ph.D., 1964, California Institute of Technology (with J.D. Roberts). Faculty: Massachusetts Institute of Technology, 1963 to 1982; Harvard University, 1982-present.

Awards: American Chemical Society (ACS) Award in Pure Chemistry (1975). James Flack Norris Award (ACS, New England Section) (1994). Arthur C. Cope Award (ACS) (1995). Defense Advanced Research Projects Agency Award for Significant Technical Achievement (1996). National Medal of Science (1998). Von Hippel Award (Materials Research Society) (2000). Pittsburgh Analytical Chemistry Award (Society for Analytical Chemists of Pittsburgh) (2003). Kyoto Prize (2003). Paracelsus Prize (Swiss Chemical Society) (2004). Ralph and Helen Oesper

Award (Cincinnati Section of ACS) (2004). Jacob Heskell Gabbay Award in Biotechnology and Medicine (2004). 2004 Dickson Prize in Science (Carnegie Mellon University) (2005). Dan David Prize (Dan David Foundation) (2005). Emanuel Merck Lecture Prize, (Technische Universität Darmstadt/Merck) (2005). Linus Pauling Medal Award (Portland, Puget Sound and Oregon Sections of ACS) 2005. Welch Award (The Welch Foundation) (2005).

Memberships and Fellowships. American Academy of Arts and Sciences, National Academy of Sciences, National Academy of Engineering, American Philosophical Society, Royal Netherlands Academy of Arts and Sciences, Institute of Physics, Foreign Fellow of the Indian National Science Academy, and Honorary Fellow of the Royal Society of Chemistry.

Public Service: National Research Council; National Science Foundation; National Institutes of Health; Department of Defense (DARPA DSRC, 1984- ; Defense Science Board (1992-2002); DTRA Treat Reduction Advisory Committee (1998-). Intelligence Science Board (2003-).

Present research interests include: physical and organic chemistry, materials science, biophysics, complexity and emergence, surface science, microfluidics, optics, self-assembly, micro- and nanotechnology, science for developing economies, catalysis, origin of life, and cell-surface biochemistry.