

Short Bio: Prof. Parviz Moin

Parviz Moin is the Franklin P. and Caroline M. Johnson Professor of Mechanical Engineering and the Founding Director of the Center for Turbulence Research (CTR) at Stanford University. Established in 1987, CTR is devoted to fundamental studies of multi-physics turbulent flows, and is widely recognized as the international focal point for turbulence research, attracting diverse groups of researchers from engineering, mathematics and physics.

Professor Moin received his B.M.E degree in 1974 from the University of Minnesota and a Ph.D. in Mechanical Engineering and M.S. in Mathematics from Stanford University in 1978, and joined NASA Ames Research Center as a Research Scientist. He joined the Stanford faculty in 1986.

Professor Moin pioneered the use of Direct Numerical Simulation for the study of turbulence physics, and has written widely on the structure of turbulent shear flows. His current interests include Large Eddy simulation of complex multi-physics turbulent flows.

Professor Moin is the Editor of the *Annual Review of Fluid Mechanics* and Associate Editor of the *Journal of Computational Physics*. He is the recipient of NASA's Exceptional Scientific Achievement Medal, the American Institute of Aeronautics and Astronautics (AIAA)'s Lawrence Sperry Award, American Physical Society's Fluid Dynamics Prize, AIAA Fluid Dynamics Award, and the NASA Outstanding Leadership Medal. He was honored with an Einstein Professorship by the Chinese Academy of Sciences in 2009, and he was inducted to the Royal Spanish Academy of Engineering in 2014.

Professor Moin is a Fellow of the American Physical Society and AIAA, as well as, a member of the American Academy of Arts and Sciences, the United States National Academy of Engineering, and the National Academy of Sciences. He served as the Chair of the Engineering Sciences Section of the National Academy of Sciences 2014-2017.