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About the Speaker

Research interests:

Fluid dynamics; heat transfer; turbulence physics & modelling; aerodynamics; direct numerical simulation of turbulence

Education:

Ph.D., Mechanical Engineering, Stanford University (1990)
M.Sc., Engineering Mechanics, Southern Illinois University at Carbondale (1982)
B.Sc., Engineering Mechanics, Southern Illinois University at Carbondale (1980)

Professional experience:

Senior Research Scientist, NASA Langley Research Center: Aug. 2012–present.
Professor of Fluid Dynamics, University of Southampton: Aug. 2011–July 2012.
Reader, University of Southampton: Sept. 2005–July 2011.
Senior Lecturer, University of Southampton: Aug. 1999–Aug.2005.
Assistant Research Engineer, University of California, Los Angeles: Dec. 1993–July 1999.
Research Fellow, Stanford/NASA Ames Center for Turbulence Research: May 1992–Nov. 1993.
Visiting Professor, Ecole Centrale de Lyon, France: Sept. 1992, July 1993, May 1994, June 1995.
National Research Council Associate, NASA Ames Research Center: May 1990–April 1992.
Graduate Research Assistant, Stanford University: Sept. 1984–April 1990.
Senior Stress Analysis Engineer, McDonnell Douglas Corporation, St. Louis: Aug. 1982 – Aug. 1984.
Teaching and Research Assistant, Southern Illinois University, Carbondale: Jan. 1981–July 1982.