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Curriculum Vitae ANDREA PROSPERETTI

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Education

Ph.D. in Engineering Science, California Institute of Technology, June 1974
M.Sc. in Engineering Science, California Institute of Technology, June 1972
Laurea in Fisica, Università di Milano, March 1968 (summa cum laude)

Professional Experience

1998 - Gerrit Berkhoff Professor of Applied Physics
University of Twente, The Netherlands (part-time)
1994- Charles A. Miller Jr. Professor of Mechanical Engineering
Johns Hopkins University
1988-1991 Professor and Chairman, Department of Mechanical Engineering
Johns Hopkins University
1985 - Professor of Mechanical Engineering
Johns Hopkins University
1976-1985 Associate Professor of Physics
Università di Milano and Politecnico di Milano
1975-1976 Assistant Professor of Physics, Università di Milano
1974-1975 Postdoctoral Fellow in Engineering Science
California Institute of Technology

Scientific Publications

Single author of approximately 40 and co-author of over 160 papers
in refereed journals (conference papers not included)
Author of 1 book; co-author of 1 book

Honors

European Fluid Mechanics Prize 2014
Modesto Panetti & Carlo Ferrari International Prize for Applied Mechanics
Academy of Sciences of Turin (Italy) 2014
Elected to the US National Academy of Engineering 2012
Silver Medal for Physical Acoustics, Acoustical Society of America 2012
Midwest Mechanics Lecturer, 2010-2011
Fluids Engineering Award, American Society of Mechanical Engineers 2005
Senior Award, International Conference on Multiphase Flow 2004
Otto Laporte Award, American Physical Society Division of Fluid Dynamics 2002
Lifetime Achievement Award, the Japanese Society of Multiphase Flow, 2001
Foreign Member, Royal Netherlands Academy of Arts and Sciences, 2000
Fellow of the American Physical Society
Fellow of the Acoustical Society of America
Fellow of the American Society of Mechanical Engineers
Research Award, Japanese National Maritime Research Institute, June 2001

Visiting appointments

Universite' Pierre et Marie Curie, Paris, June/July 2010
Ecole Centrale de Lyon, June 2009
Mitsubishi Visiting Professor, University of Tokyo, Sept-Dec. 1991
Visiting scientist, Courant Institute of Mathematics, March and June 1982

Professional Activities (selected)

- JOURNAL EDITORIAL BOARDS
Editor in Chief, *International Journal of Multiphase Flow*, 2008-
Associate Editor for Letters, *The Physics of Fluids*, 2002-2007
Member of the Editorial Committee, *Annual Review of Fluid Mechanics*, 1/2007 - 12/2011
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS
Honors Representative, *Multiphase Flow Technical Committee*,
ASME Fluids Engineering Division, 2000-2002
Chair, *Multiphase Flow Technical Committee*,
ASME Fluids Engineering Division, 1998-2000
- AMERICAN PHYSICAL SOCIETY
Conference Chair, 64th Annual Meeting of the Division of Fluid Dynamics , 2011
Chair of the Acrivos Dissertation Award, 2010
Chair of the Physics of Fluids Prize Committee, 2000
Member of the Fluid Dynamics Prize Committee of the Fluid Dynamics Division,
1992-1994

- **FUNDING AGENCIES**

Member of a proposal evaluation committee for the German DFG-Priority Programme SPP 1506 “Transport Processes at Fluidic Interfaces”, 2009, 2013

Member of a proposal evaluation committee for the Research Council of Norway, 2009, 2010, 2011, 2013

Member or chair of proposal evaluation committees for the National Science Foundation, 1989, 1992, 1997, 1998, 1999, 2000, 2007, 2008, 2011

Member or chair of NASA Review Panels, 1991, 1993, 1996, 1997, 2001, 2002, 2003

Member of NIST proposal Review Panels, 1997, 1999

Member of Department of Energy committees for the evaluation of major proposals, 1988, 1989

University Administration

Program Chair, Hopkins Part-Time Masters’ Program in Mechanical Engineering, 1989/90; 1995-2001; 2011-

Member of the Hopkins Homewood Academic Council, 1988/1989 and 1995-2000

Chair of the committee establishing the Board of Review and, subsequently, of the Board of Review, 1991-1999

Chairman of the Hopkins Department of Mechanical Engineering, 1988-1991

Responsible for ABET accreditation of ME Department (granted, 1991)

Member of several Hopkins University committees: Homewood Arts Task Force, Montgomery County Center, Human Climate, Sudler Arts Prize, Whiting School Space Committee, Wolman Fellowships, and others

Member and chairman of many search committees for Thermo-Fluid Mechanics positions

Member and chairman of many promotion and appointment committees