

Hassan Aref

Experience

cand. scient., Physics and Mathematics, University of Copenhagen (1975)
Ph. D., Physics, Cornell University (1980)
Assistant/Associate Professor, Brown University (1980-85)
Associate Professor/Professor, Department of Applied Mechanics and Engineering (1985-92)
Science, and Institute of Geophysics and Planetary Physics, University of California, San Diego
Chief Scientist, San Diego Supercomputer Center (1989-92)
Professor & Head, Department of Theoretical and Applied Mechanics, University of Illinois at
Urbana-Champaign (1992-2003)
Dean of Engineering, Virginia Tech (2003-2005)
Reynolds Metals Professor of Engineering Science and Mechanics, Virginia Tech (2003 - present)
Author: 85 research papers; 1 US patent; Editor, two books; 130 conference presentations.

Awards

NATO Fellowship (1975); Cornell Graduate Fellowship (1976-79); NSF Presidential Young
Investigator Award (1985); Foreign Member, Danish Centre for Applied Mathematics and
Mechanics (1986); Corrsin Lectureship, The Johns Hopkins University (1988); Fellow, American
Physical Society (1988); Westinghouse Distinguished Lectureship, University of Michigan (1991);
Lecturer, Midwest Mechanics Seminar (1991-92); Toshiba Keio Lecture, Keio University, Japan
(1994); Otto Laporte Award and Memorial Lecture, American Physical Society (2000); Fellow,
American Academy of Mechanics (2000); Fellow, World Innovation Foundation (2001); Zhou Pei-
Yuan Memorial Lecture, 10th Asian Congress of Fluid Mechanics.

Main Professional Service

American Physical Society, Division of Fluid Dynamics: Vice Chair (1993); Chair-elect (1994);
Chair (1995); Past Chair (1996)
International Union of Theoretical and Applied Mechanics (IUTAM): Member, Congress
Committee (1992-present); Member, Executive Committee (2000-present)
US National Committee on Theoretical and Applied Mechanics: Member (1992); Chair (2000-02)
Member, National Academy Board on International Scientific Organizations (since 2003)

Main Editorial Board Service

Associate Editor, *Journal of Fluid Mechanics* (1984-1994)
Founding Editor (with D. G. Crighton), *Cambridge Texts in Applied Mathematics* (1986-95)
Editor (with Erik van der Giessen), *Advances in Applied Mechanics* (2000-present)
Editor, *Theoretical and Computational Fluid Dynamics* (2006-present)
Editorial Boards: *European J. Mech.*, *Phys. Rev. E*, *Reg. Chaotic Dyn.*, others

Main Congress/Conference/Workshop Service

Member, International Papers Committee, 17'th International Congress of Theoretical and Applied
Mechanics (ICTAM), Grenoble, France (1988), and 18'th ICTAM, Haifa, Israel (1992)
Delegat, US-Korea Joint Seminar on Fluids Engineering and Science, Seoul (1989)
Director, Research Experiences for Undergraduates, San Diego Supercomputer Center (1989-92)
Chair, IUTAM Symposium on Fluid Mechanics of Stirring and Mixing, La Jolla (1990)
Program Chair, EDUCOM 91, San Diego (1991)
Secretary, Midwest Mechanics Seminar (1994-2003)
President, 20'th International Congress of Theoretical and Applied Mechanics, Chicago (2000)
Co-organiser (with R. B. Pelz, R. Ricca and T. Kambe), Geometry and Topology of Fluid Flows,
Isaac Newton Institute for Mathematical Sciences, Cambridge (2000)
Chair, Scientific Committee, 15'th US National Congress of Theoretical & Applied Mechanics,
Boulder, CO (2006)