

***CURRICULUM VITAE***

- Home** - Kfar Aharon, Ness Ziona  
**Office** - Department of Chemical Physics, Weizmann Institute of Science, Rehovot 76100, Israel  
**Personal** - Born September 29, 1949 in Tel-Aviv, Israel; Married 1973, 2 children born 1979, 1982  
**Education** - B.Sc. in Chemistry (with honors), Hebrew University, Jerusalem, 1973  
 Ph.D. in Theoretical Chemistry (summa cum laude), Hebrew University, Jerusalem, 1976

**Experience and Professional Experience**

- Israel Defense Forces, 1967-1970, 1973-1974, command and administrative duties of unit of 40 soldiers
- Teaching assistant, Hebrew University, Jerusalem, 1975-1976
- Postdoctoral Fellow, Massachusetts Institute of Technology, 1977-1979
- Senior Scientist, Department of Chemical Physics, Weizmann Institute of Science, April 1979-1980
- Associate Professor, Department of Chemical Physics, Weizmann Institute of Science, October 1980-1984
- Visiting Professor, City College of the City University of New York, April-July 1981
- Consultant, Exxon Research and Engineering Co., June-July 1981
- Visiting Professor, The University of Chicago, 1984-1985
- Professor, Department of Chemical Physics, Weizmann Institute of Science, 1985-
- Visiting Professor, Columbia University, November-December 1985
- Visiting Professor, The University of Chicago, July-August 1986
- Head, Department of Chemical Physics, The Weizmann Institute of Science. July 1987-Dec. 1988
- Visiting Professor, The University of Chicago, July-August 1987
- Visiting Professor, The University of Chicago, July-August 1988
- Visiting Professor, IHES, Bures-sur-Yvette, France, October 1988.
- Dean, Faculty of Chemistry, The Weizmann Institute of Science, Jan 1989-Jan 2001
- Visiting Professor, The University of Chicago, September 1990 - March 1991
- Visiting Professor, NORDITA and Niels Bohr Institute, Copenhagen, Denmark, March-August 1991
- Adjunct Professor, NORDITA, Copenhagen, Denmark, 1992-2006
- Visiting Professor, The University of Chicago, January 1992
- Visiting Professor, IHES, Bures-sur Yvette, France, April 1992
- Visiting Professor, The University of Chicago, January-February, March-April, 1993
- Visiting Fellow, The Isaac Newton Institute, University of Cambridge, UK, Sept-Oct 1995
- Visiting Professor, IHES, Bures-sur-Yvette, France, April 1997
- Member, Scientific Committee of International Center of Condensed Matter Physics, Brasilia, Brazil, 1996-2006
- Visiting Professor, The Rockefeller University, August-October 1997
- Visiting Fellow, The Isaac Newton Institute, University of Cambridge, UK, January 1999
- Member, Prize Committee for the Young European Prize in Mathematics, 2000
- Member, Centro Internacional de Ciencias (CIC), Cuernavaca, Morelos, Mexico, 2000 –
- Director, Minerva Center for Nonlinear Physics, 2004 –
- Visiting Professor, The Chinese University of Hong Kong, January –May 2004
- Visiting Professor, Ecole Normale Superieure, Lyon, April 2005
- Member of the Board of Governors, The Institute for Complex Adaptive Matter (A Multi-campus Research Program of the University of California), 2006 –
- Visiting Professor, Ecole Normale Superieure, Paris, April 2006
- President, Scientific Committee of the International Center of Condensed Matter Physics, Brasilia, Brazil, 2006-2009

- Chairman, steering committee of a Center of Excellence of the Ministry of Science.
- The committee for the Alon Fellowships (Government fellowships for returning Israeli academics after post-doctoral training). 2007-
- Visiting Professor, The Chinese University of Hong Kong, Sept-December 2008.
- Member, the committee on Statistical Physics of IUPAP (International Union of Pure and Applied Physics).
- President of the Academic Advisory Committee, International Institute of Physics, Natal, Brazil, 2009-

## **Fellowships and Honors**

- Israel Chemical Society Prize, 1972
- The G.Y. Yashinsky Prize for Distinguished Thesis, 1976
- Dr. Chaim Weizmann Postdoctoral Fellowship, 1977-1978
- The Aharon Katchalsky (Katzir) Prize, 1977
- The S. Sachs Prize, 1982
- "Philips Lecturer", Haverford College, Pennsylvania 1984
- Fellow of the Japan Society for the Promotion of Science, March-April 1987.
- "Gunar Kallen Memorial Lecturer", Lund, Sweden, 1987
- The E.D. Bergman Prize Administered by the Israel Academy of Sciences and Humanities, 1989
- "Sloan Lecturer", Colby College, Maine, 1992
- The Barbara and Morris L. Levinson Professorial Chair in Chemical Physics, 1992
- Fellow of the Japan Society for the Promotion of Science, October-November 1992
- Award of the Royal Society, (UK) 1995
- The C.N Yang Visiting Professor 1995, Chinese University of Hong Kong
- UNESCO Professor in Science and Sustainable Development 1995-2000
- The "Fiorino d'Oro", the highest prize given by the Municipality of Florence for outstanding achievements in science, culture and human affairs, 1998
- Research Fellow of the National Research Council (UK) - January 1999
- Fellow of the Japan Society for the Promotion of Science, September-November 1999
- The Raman Chair, a Professorship instituted by the Indian Academy of Sciences in honour of its founder, C.V. Raman, 2000
- Fellow of the American Physical Society 2002-
- Fellow of the German National Academy of Natural Sciences Leopoldina 2002-
- "Euroattractor 2002"- a special prize given by the Polish Academy of Sciences for "Life achievements in Nonlinear Dynamics", Warsaw 2002
- Fellow of the World Innovation Foundation, 2004 –
- Fellow of the Institute of Physics (UK) 2004 –
- The Weizmann Prize 2005 (a tri-annual prize in the Exact Sciences given by the Mayor of Tel Aviv)
- Conferred knighthood by the President of the Italian Republic Mr. Giorgio Napolitano in the "Order of the Star of Italian Solidarity" at the highest grade of "Grande Ufficiale" (Great Officer), for "Outstanding Scientific Achievements by an Italian citizen abroad". June 2007
- The Brazilian Minister of Education "Distinguished Lecturer Program": a special set of lectures delivered in Brasilia and televised to all Brazilian universities, August 2007.
- The Israel Prize for Physics, 2009.
- Elected Foreign Member of the Royal Danish Academy of Sciences and Letters, 2010.

## **Editorial Boards**

- Nonlinearity (Editorial Board 1988-1991); Editor in Chief 1991-1999
- Physica A (Statistical and Theoretical Physics) (1987-1991)

- Physics Reports (1988-
- Chaos, Solitons and Fractals (Honorary Editor) (1992-
- Physical Review E (Advisory Editorial Board) 1992-1998
- Journal of Statistical Mechanics: Theory and Experiment (2003-2007)

**Research Interests**

- Nonequilibrium Thermodynamics and Statistical Mechanics
- Stochastic Theory. Instabilities
- Nonlinear Systems and Chaotic Motions. Turbulence and Turbulent Transport Processes
- Fractals in Physics
- Fracture of brittle and ductile materials, the glass transition. Mechanical properties of amorphous materials.