

Address :

Department of Materials and Interfaces
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Academic education and career

1970 – 1973: B.A. (1st Class Honours), in Physics, at the Cavendish Laboratory, Cambridge University

1974 – 1977: Ph.D. degree in the Cavendish Laboratory: "Diffusion of Long Molecules Through Bulk Polymers". (Supervisor: David Tabor).

1976 – 1984: Research Fellow (1976-7) and Fellow in Physics of St.Catharine's College Cambridge.

1977 Awarded M.A., Ph.D degrees by Cambridge University.

1977 – 1980: Post-doctoral Fellow, Department of Polymer Research, Weizmann Institute of Science, Rehovot, Israel

1980 – 1984: University Demonstrator, Department of Physics, University of Cambridge

1980 - 1984 Senior Scientist, Weizmann Institute of Science.

1984 - 1987 Associate Professor, Weizmann Institute of Science.

1986 - present Herman Mark Professor of Polymer Physics, Weizmann Institute of Science (Full Professor since 7/1987).

1989 -1991 Head, Polymer Research Department, Weizmann Institute of Science.

1999 – 2000 Chairman of Scientific Council, Weizmann Institute

2000 - 2007 Dr. Lee's Professor of Chemistry, University of Oxford

2000 – 2005 Head of Department, Physical and Theoretical Chemistry Department, University of Oxford

Visiting Positions

1990 Visiting Professor, University of California at Santa Barbara

1991 Visiting Professor, Princeton University

1994 Royal Society Exchange Professor, Oxford University

1996 Visiting Professor, Ecole Polytechnique Federal – Lausanne

2004 Paris Sciences Professor, Ecole Supérieure de Physique et Chimie Industrielle, Paris

2008 Frank & Robert Laughlin Professor, Cornell University

2010-19 Visiting Professor, Tsinghua University, Beijing

Journals (year of appointment)

1988: Editorial Board, 'Macromolecules';

1992: Editorial Board, 'Acta Polymerica' (Guest editor special issue 'Polymer Science in Israel')

1992: Editorial Board, 'Journal of Macromolecular Science' – Polymer Reviews.

1995: Editorial Board, Israel Journal of Chemistry; (Guest editor special issue 'Polymers at surfaces')

1993: Editorial Board, J. Polymer Science: Physics

2000: Editorial Board, Macromolecular Chemistry and Physics, and Macromolecular Rapid Communications

2001: Editorial Board, Liquids and Soft Matter Board, J. Physics: Condensed Matter;

2004: Editorial Board, ChemPhysChem

2013: Editorial Board, Friction

Honours and named lectures

1983: Somach Sachs Prize, Weizmann Institute of Science.
1984: Charles Vernon Boys Prize, British Institute of Physics,
1987: Dudley Wright Award in Membrane Research
1994: International Kao Fellow, Japan
1995: High Polymer Physics Prize, American Physical Society
1998: Ford Annual Science Lecture (Ford Motor Company, Michigan)
2000: Whitby Lectures (Akron Univ., Ohio)
2001: Fellow, Royal Society of Chemistry
2002: Inaugural John D. Ferry Lectures (Univ. of Wisconsin)
2003: Fellow, American Physical Society
2004: Paris Sciences Medal, City of Paris
2004: Annual Award Lecture of the Japanese Chemical Society
2004: Fellow, Institute of Physics, UK
2004: Paris Scène Lectures, Ecole Supérieure de Physique et Chimie Industrielle, Paris
2007: Kolthof Prize, Technion Israel Institute of Science
2008: The Laughlin Lectures, Cornell University
2010: ERC Advanced Grant Award (2010-2015)
2010: Israel Chemical Society Prize for Excellence
2011: Honorary Membership, Israel Polymers & Plastics Society
2011: Royal Society of Chemistry (UK) Soft Matter and Biophysics Prize and Medal
2012: Tribology Gold Medal of the International Tribology Trust
2013: Elected to Academia Europaea
2015: David Turnbull Lectureship Award, Materials Research Society

Research: Some 250 research papers to date (including over 20 in *Science* and *Nature*), cited ca. 13,000 times. h-factor: 55 (ISI), 61 (Google Scholar)

Mentoring: Some 70 graduate and post-doctoral students to date, of whom 26 currently in tenured academic appointments

Selected past and present academic administration and consultancies:

Dutch Academy of Sciences large grants review panel
German Science Foundation review panel for several Schwerpunktprograms
Senior Jury of Institut Universitaire Francaise
Science Foundation Ireland major grants review panel
Max Planck Society advisory committee on establishing new MPIs.
Selection panel for Coulson Chair of Theoretical Chemistry, Oxford
Chair of Weizmann Institute Central Academic Appointments Committee
Member of Weizmann Institute Tenure and Professorial Appointments committee
Chairman of Scientific Council, Weizmann Institute
Member, Weizmann Institute Presidents Council
Vice-Director, Academic Committee of State Key Laboratory of Tribology, Tsinghua University, Beijing.