

Curriculum Vitae

Sabyasachi (Shobo) Bhattacharya,
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Education: Ph.D., Physics, Northwestern University (1978);
M.Sc., Physics, University of Delhi (1973);
B.Sc., Physics Honours, Presidency College, University of Calcutta (1970-71)

Positions Held:

Acharya J.C.Bose Distinguished University Professor,
Presidency University, Kolkata (2014-2015)
Distinguished Professor (2007-)
Senior Professor and Director (2002-07),
Adjunct Professor (1999-02)
Tata Institute of Fundamental Research, Deemed University
Fellow (2001-02); Senior Research Scientist (1990-2000)
NEC Research Institute, Princeton, New Jersey
Senior Staff Physicist (1988-90), Staff Physicist (1986-88),
Senior Physicist (1982-86),
Exxon Corporate Research, Annandale, New Jersey
James Franck Fellow, (1979-82), University of Chicago
Research Associate, (1978-79) University of Rhode Island
Research Assistant, (1976-78), Northwestern University

Visiting Positions:

Senior Visiting Scholar, CASI, University of Pennsylvania (2012-2013)
Cavendish Laboratory, University of Cambridge (2008-2009)
New York University (2008-)
Ecole Normal Supérieure, Paris (1998),
Tata Institute of Fundamental Research (1996-97)
ITP, University of California, Santa Barbara, (1994)
Francis Bitter National Magnet Laboratory, MIT (1978-79)
Argonne National Laboratory (1974-76)

Academic/ Professional Distinctions:

Acharya J.C.Bose Distinguished University Professor, Presidency University, Kolkata
(2014-2015)
Inaugural Abdus Salam-Homi Bhabha Lecture, University of Cambridge (2009)
Homi Bhabha Lectureship, Indian Physics Association-Institute of Physics (UK)
(2009)
Visiting Fellow Commoner, Trinity College, Cambridge (2008-09)
Distinguished Professor, TIFR (2007-)
Director, TIFR (2002-2007)
Fellow, National Academy of Sciences, India (2002)
NEC Fellow (2001)
Fellow, American Physical Society (1990)
James Franck Distinguished Fellow, University of Chicago (1979)
Sigma Pi Sigma, Honor Society (1979)
President's Graduate Fellow, Northwestern University (1974)
National and State Scholarships, Government of India (1967-71)

Research Areas:

Experimental Condensed Matter Physics. Disordered and glassy systems: Vortex Phases in Superconductors, Charge Density Waves, Ferroelectrics-Multiferroics. Complex Fluids: Liquid

Crystals, Microemulsions, Micelles. Colloids. Nonlinear Dynamics; Non-equilibrium Phenomena; Phase Transitions.

Professional/ Administrative/ Advisory Activities (partial list):

Member, Ashoka University Science Advisory Group (2016-)
International Councilor, American Physical Society, USA (2008-2010)
Member, Technology Advisory Council, BP (British Petroleum, UK) (2008-2015)
Member, Presidency Mentor Group (2009-2014)
Member, IIT Council, MHRD, Government of India (2007-2010)
Member, Governing Council, Indian Institute of Technology-Bombay (2010-2015)
Member, Editorial Board, Reports on Progress in Physics, Institute of Physics (UK) (2006-
Member, Science Advisory Committee to the Cabinet (SAC-C), Government of India (2003-2008)
Member, Basic Sciences Steering Committee, Planning Commission, Government of India (2006)
Member, Mega-Science Committee, Planning Commission, Government of India (2006)
Member, C-10, International Union of Pure and Applied Physics (IUPAP)(2005-2010)
Member, Governing Council, Indian Association for the Cultivation of Science (2006-2009)
Member, Research Council. Jawaharlal Nehru Centre of Advanced Scientific Research (2003-2006)
Member, Management Council, Saha Institute of Nuclear Physics (2005-)
Member, Science Research Council, National Physical Laboratory (2004-2007)
Chair, Basic Sciences Committee, Board of Research in Nuclear Sciences, Department of Atomic Energy, Government of India (2003-2007)
Director, Tata Institute of Fundamental Research (2002-2007)
Chair, NEC "Board of Fellows" (2002)
Chair, *Condensed Matter Physics Gordon Conference (1997)*
Chair, *Aspen Winter Conference on Condensed Matter Physics, (1993)*
Group Leader, Ferroelectrics Technology Project, NECI and Coordinator, Science Research on Ferroelectric Random Access Memory Project, NEC (2000-02)

Educational/ Outreach Activities (representative list):

Member of the Jury, National Science Film Festival, Mumbai, 2016
Chair, Technical Committee and Member, Selection Committee, BP-International Center of Advanced Materials (ICAM): Universities of Manchester, Cambridge, London (Imperial College) and Illinois, Urbana-Champaign (2010)
Member, Steering Committee for Homi Bhabha National Institute (HBNI): Deemed University (2005)
Member, Steering Committee, Centre for Basic Sciences, DAE-University of Mumbai (2006)
National Initiative of Undergraduate Sciences (NIUS), Homi Bhabha Centre for Science Education, TIFR (2006)
"Expert", Inaugural "Students' lunch with experts" program, American Physical Society (2000)
Lecturer, Colleges and workshops, ICTP Trieste (1993-2006)
Science for fun; NEC Program of science for Inner City school children, New Jersey, USA (1992-2000)
Lecturer, *Physics in High Magnetic Fields*, Cargese Summer School, Cargese, France. (2001)
Lecturer: Inaugural NSF-Boulder School for Condensed Matter and Materials Physics. Nonequilibrium Statistical Physics (2001)
Member, Industrial Summer Intern Program, American Physical Society (1986-88)
Lecturer, Corporate Associates Program, American Institute of Physics (1986)