

## Curriculum Vitae

### I. Personal

Born: May 15, 1952, St. Louis, Missouri, USA.

### II. Education

Ph.D. in Physics - University of California, Berkeley, 1980

A.B. - Oberlin College, 1974; Highest Honors in Physics, Phi Beta Kappa.

### III. Employment

California Institute of Technology, Frank J. Roshek Professor of Physics and Applied Physics, Emeritus, 2018 - present

California Institute of Technology, Frank J. Roshek Professor of Physics and Applied Physics, 2005 – 2018

California Institute of Technology, Frank J. Roshek Professor of Physics, 2004 – 2005

California Institute of Technology, Professor of Physics, 1996 – 2004.

AT&T Bell Laboratories, Murray Hill - Member of Technical Staff, 1985 - 1996.

AT&T Bell Laboratories, Murray Hill - Postdoctoral Member of Technical Staff, 1983 – 1985.

Assistant Professor of Physics, Williams College, 1980 - 1985.

### IV. Professional Honors and Activities

Oliver E. Buckley Prize, American Physical Society, 2007

National Academy of Sciences, elected 2005

Morris Loeb Lecturer, February 2003, Harvard University

ASCIT Excellence in Teaching Award, May 2003

AT&T Bell Laboratories Distinguished Member of Technical Staff, 1993

Fellow of the American Physical Society, 1992

Visiting Professor, Indian Institute of Science, Bangalore, India, 2013

Visiting Professor, Tata Institute for Fundamental Research, Mumbai, India, 2012-2013

Associate Editor, Annual Review of Condensed Matter Physics, 2009-2013

National Research Council Board on Physics and Astronomy, 2009-2011

Executive Advisory Board, Kavli Institute of Theoretical Physics, 2010-2012

National Research Council Committee on 2010 Decadal Survey of Condensed Matter Physics

Member-at-Large, Executive Committee, APS Division of Condensed Matter Physics

Solid States Sciences Committee of the National Research Council, 2000-2003 & 2004-2007.

Mentor of 2002 APS Apker Award winner Kathryn Todd.

National Research Council Associateships Program Evaluation Panel, 2001-2006.

National Research Council Panel on Assessment of NIST Programs 1996-1999.

### V. General Area of Research

Experimental Condensed Matter Physics at Low Temperatures: Transport and Thermodynamics of Low Dimensional Electronic Systems, Correlated Electron Systems in High Magnetic Fields, Physics of Semiconductor Heterostructures and Quantum Wells, etc.

## **VI. Patent**

“Apparatus for Contacting Closely Spaced Quantum Wells and Resulting Devices” U.S. Patent 5,241,190. Issued Aug. 31, 1993. Co-inventor L.N. Pfeiffer.