

Curriculum Vitae

DANIEL J. EHRLICH

Professional History:

Research Professor, Boston University, Departments of Biomedical Engineering / Electronic and Computer Engineering 2009-present

Principal Investigator, Whitehead Institute/MIT 1996-2009
Director BioMEMS Laboratory, PI on grants from NIH, Air Force, DARPA and NIJ

Visiting Scientist, MIT Center for Biological Engineering 1995-2009
PI status on MIT grants continuously for this period.

President/Founder, Revise Inc. 1991- 2003
Manufactured semiconductor capital equipment for Intel and competitors.
Company sold to FEI Corp. in 2003.

Co-Founder, Network Biosystems Inc. 2000

Senior Staff, MIT Lincoln Laboratory, Solid State Division 1989-1995

Leader, Submicrometer Technology Group, MIT Lincoln Lab 1988-1989
Lithography and Nanotechnology, formulated national 193-nm lithography program for DARPA and other programs in nanofabrication.

Assistant Leader, Microelectronics Group, MIT Lincoln Lab 1984-1988
Lithography and Nanotechnology.

Staff Member Quantum Electronics Group, MIT Lincoln Lab 1977 -1984
Laser microchemistry on surfaces, nonlinear optics, and spectroscopy.

Research Fellow, Lab for Laser Energetics, University of Rochester 1973 -1977
Laser fusion research.

Education: Ph.D. Optical Engineering, University of Rochester (October 1977)
BS Physics, University of Rochester (June 1973)

Special Grants, Awards, and Appointments:

Recipient 1991 R. W. Wood Prize, "the outstanding discovery, scientific or technological achievement, or invention in the field of optics in 1991" (with T.F. Deutsch + R.M. Osgood), The Optical Society of America
NIH Study Group--Instruments and Systems Development (NIH ISD), Permanent Member, 2005-2009
Technical Council, Optical Society of America, 1989 - 1993
Chairman, Technical Group on Lithography, Optical Society of America, 1989 - 1991
Steering Committee, Intern. Symposium on Electron, Ion, and Photon Beams (IEEE, AVS), 1988 -present
Conference Chairman, Inter. Symposium on Electron, Ion, and Photon Beams (IEEE, AVS), 1991
Steering Committee, Dry Process Symposium (Tokyo), 1989 - 1998
Executive Committee, Electron. Mater. and Proc. Division of the American Vacuum Society, 1987 - 1995
Member, Intern. Program Committee Solid State Devices and Materials Conference (Japan), 1987-2004
Chairman, First Topical Meeting on The Microphysics of Surfaces Beams and Adsorbates, 1985
Chairman, Second Topical Meeting on The Microphysics of Surfaces Beams and Adsorbates, 1987
Chairman, NATO/ASI Workshop on Emerging Technology for *in situ* Processing (Cargese, Corsica), 1987
Chairman, NATO/ASI Workshop on *in situ* Processing (Viana do Castelo, Portugal), 1991
Chairman, MRS Symposium on Laser-Controlled Chemical Processing for Microelectronics, 1983
Chairman, MRS Symposium, Laser and Particle-Beam Chemical Processing for Microelectronics, 1987

Patents 25 - issued, 3 - pending

Books Authored/Edited 6
Refereed Publications >240