

CURRICULUM VITAE

(Updated October 2022)

Name: Michael Rosenbluh

Birthdate: 19 November 1949

Birthplace: Budapest, Hungary

Citizenship: U.S.A. and Israel

Educational Background:

Ph.D. - Massachusetts Institute of Technology, Department of Physics, 1978
"Laser Magnetic Resonance in Excited States of Atoms and Molecules"
Thesis advisor: Prof. Benjamin Lax

M.Sc. - Massachusetts Institute of Technology, Department of Physics, 1975
"Design and Evaluation of a cw Step-Tunable, Far-Infrared Source for
Solid State Spectroscopy" Thesis advisor: Prof. Benjamin Lax

B. Sc. - Roosevelt University, Chicago, Ill. 1971
Department of Physics and Department of Mathematics
Magna cum laude.

Academic Positions:

2019-	Professor Emeritus
1992-2019	Professor Bar-Ilan University, Department of Physics
2011	Visiting Professor University of Colorado, Boulder, Colorado
2005 (summer)	Visiting Scientist NIST, Boulder, Colorado
1991-1994	Scientist on Joint Study Program IBM Almaden Research Laboratory
1989-1991	Visiting Scientist IBM Almaden Research Laboratory
1986-1992	Associate Professor Bar-Ilan University, Department of Physics
1981-1986	Senior Lecturer Bar-Ilan University, Department of Physics

1981-1986
(summers) Visiting Scientist
 Lincoln Laboratory, MIT

1978-1981 Senior Research Associate
 Francis Bitter National Magnet Laboratory, MIT

Awards and Honors:

1978/79 Recipient of Sloan Foundation Fellowship
1981/83 Recipient of Council for Higher Education Fellowship
 for Outstanding Young Scientists
1982/83 Bat-Sheva de Rothschild Fellow

Research Grants

Our research over the years has been supported by numerous grants from the following agencies: Israel Academy of Sciences, US-Israel Bi-National Science Foundation, German-Israel Bi-National Science Foundation, BMBF (Germany), US Air-Force Office (through MIT), INTAS (European), Israel Ministry of Defense, Israel Ministry of Trade and Development, The Horowitz Foundation, European Community - QUANTERA and a number of private companies for whom we have performed research and development projects.

Major Research Interests

Lasers and electro-optics. The application of lasers to fundamental physics and spectroscopy. Development of novel lasers and electro-optical devices. Nano fabrication of photonic devices. Quantum optics, squeezed light and entangled photons

Administrative Positions in the University

Establishment of Department of Optometry at Bar-Ilan University
Design and Construction of Resnick Institute Building and Laboratories,
Founding member of the Resnick Institute
Department Chair - Optometry (2000-2004, 2008-2011)
Establishment of the Department of Electrical Engineering at Bar-Ilan
University
Member of University Senate since 1992; Membership and Chairmanship of
Various Committees (Academic Appointments, Student Discipline, Student
Appeals, etc.)
Head of MIT – BIU Student Exchange
Department Chair – Physics (2012-2018)
Member of Bar Ilan Institute of Nanotechnology and Advanced Materials
(BINA)
Founder and Head of QUEST; Quantum Entanglement for Science and
Technology – Bar-Ilan University

Administrative positions external to the University (a selection)

Associate Editor – Optics Express

Member of the Organizing Committee of many International Conferences

Israeli Representative to the European Quantum Optics Section of the European Physical Society

Review Committee Member and Chairman of Special Committees under the Ministry of Defense, Education, Israeli Academy of Sciences, Industry and Trade, and more

Director, Geophysical Institute of Israel

Students

Supervised the Ph.D. research projects of more than 40 students, since 1978, at Bar-Ilan University and at MIT. Also supervised the M.Sc. research projects of more than 30 students at Bar-Ilan University. Taught a large number of undergraduate and graduate courses at Bar-Ilan University from 1980 to 2018.