

CURRICULUM VITAE

MAREK KARLINER

Chairman
The Mortimer and Raymond Sackler Institute of Advanced Studies
Tel Aviv University

Edouard and Francoise Jaupart Professor
of Theoretical Physics of Particles and Fields

School of Physics and Astronomy
Tel-Aviv University
Tel-Aviv, Israel

e-mail: marek@post.tau.ac.il

phone: +972-54-733-189 (cell.), +972-3-6408-334 (office), +972-3-540-7520 (home)

PERSONAL DATA

Date of Birth:	September 27, 1955
Marital Status:	Married to Arina Shainski two children
Nationality:	Israeli
Private address:	4 Nahal Bsor Str., 47204 Ramat Hasharon, Israel

EDUCATION

1976-1979	Department of Physics & Astronomy Tel-Aviv University B.Sc., July 1979
1979-1984	Department of Physics & Astronomy Tel-Aviv University Ph.D., May 1985 Thesis: <i>Gauge Field Calculations on the Lattice</i> Advisor: Professor David Horn

EXPERIENCE IN HIGHER EDUCATION AND RESEARCH

Summer 1977	Summer Student, Experimental High Energy Physics; Stanford Linear Accelerator Center, Stanford, California
Summer 1978	Summer Student, Experimental High Energy Physics; Stanford Linear Accelerator Center, Stanford, California

October 1979 – July 1984	Graduate Research Assistant Department of Physics & Astronomy Tel-Aviv University
August 1983 – August 1984	Visiting Graduate Student Stanford Linear Accelerator Center
September 1984 – August 1988	Research Associate, Theoretical Physics Stanford Linear Accelerator Center, Stanford, California
October 1985	Visiting Scientist Department of Physics & Astronomy Tel-Aviv University
May 1987	Visiting Scientist Department of Physics & Astronomy Tel-Aviv University
December 1987	Senior Lecturer Department of Physics & Astronomy Tel-Aviv University
October 1988 – present	Scientific Consultant Einstein Center for Theoretical Physics Weizmann Institute of Science
Summer 1989	Research Associate Theory Division CERN, Geneva
April 1990	Associate Professor School of Physics & Astronomy Tel-Aviv University
Summer 1990	Research Associate Theory Division CERN, Geneva
Spring 1994	Research Associate Centre de Physique Theorique Ecole Polytechnique Palaiseau, France
Summer 1994	Research Associate Theoretical Physics Stanford Linear Accelerator Center, Stanford, California
June 1995 –	Professor School of Physics & Astronomy Tel-Aviv University
August 2003 – August 2005	Visiting Professor Cavendish Laboratory Cambridge University, UK

HONORS AND AWARDS

April 1977	Outstanding Undergraduate Physics Student Award, Israel Physical Society
August 1981	Italian Government Young Scientist Scholarship
August 1981	Best Student Award, International School of Subnuclear Physics, Erice, Italy
August 1982	French Government Young Scientist Scholarship
May 1983	Fulbright Graduate Fellowship Award, US-Israel Educational Foundation
September 1984	Dr. Chaim Weizmann Post-Doctoral Fellowship for Scientific Research
October 1987	Alon Fellowship for Outstanding Young Faculty, Planning and Grants Committee, Higher Education Council
February 1988	NASA Research Grant (with S. Sharpe) <i>Study of $U(1)$ LGT Using the Spectral Density Method</i>
June 1988	Bat Sheva de Rothschild Fellowship for Outstanding Young Researchers
September 1991	US-Israel Binational Science Foundation Grant <i>Nonperturbative Phenomena and Scaling in Strongly Coupled QFT</i> (with A.A. Migdal, Princeton University)
October 1991	Israel Science Foundation, Israel Academy of Sciences Grant <i>QCD and Hadronic Systems in the Strong Coupling Regime</i>
August 1992	Convener, Parallel Session on Structure Functions and Spin Physics, XXVI International Conference on High Energy Physics, Dallas, Texas
June 1993	Ministry of Science and Technology Grant for Scientific Cooperation with CIS (former USSR) countries <i>QCD and Hadronic Systems in the Strong Coupling Regime</i> (with B.L. Ioffe and L.B. Okun, ITEP, Moscow)
Summer 1993	Convener, Parallel Session on Spin Structure Functions, XIII International Conference on Particles and Nuclei, Perugia, Italy
June 1994	German-Israeli Foundation for Scientific Research & Development (GIF) Grant <i>QCD and Structure of Hadrons</i> (with H. Fritzsch, Muenchen University)
1995	Israel Science Foundation Grant (3 yrs) <i>Nonperturbative phenomena and scaling in strongly coupled quantum field theories</i>
1997 –	International Light Cone Advisory Committee
1998	Israel Science Foundation Grant (3 yrs)

	<i>Nonperturbative phenomena and scaling in strongly coupled quantum field theories</i>
1998	Israel Science Foundation Grant (3 yrs) <i>Nonperturbative phenomena and scaling</i>
1998	United States-Israel Binational Science Foundation Grant (3 yrs) <i>Quantum Chromodynamics and Novel Features of Hadron Structure and Phenomenology</i> (with S.J. Brodsky, Stanford University)
July 2001	United States-Israel Binational Science Foundation Grant (2+1 yrs) <i>New approaches to hadron structure in QCD</i> (with D. Ashery and S.J. Brodsky, Stanford University)
July 2004	Israel Science Foundation Grant (3 yrs) <i>QCD and hadron structure</i>
October 2007	Incumbent, Edouard and Francoise Jaupart Chair of Theoretical Physics of Particles and Fields
2008	Outstanding Referee, American Physical Society
2010	Most Valued Reviewer, Physics Letters B
2014	Rector's Award for Excellence in Teaching

PROFESSIONAL SERVICE (after 1996)

1997	Organizing Committee, Intl. Europhysics Conference On High-Energy Physics (HEP 97)
1997-2003	University Computer Committee, Tel Aviv University
1998	Organizing Committee, IX Intl. Workshop <i>Small-x Physics and Light-Front Dynamics in QCD</i> , Saint-Petersburg, Russia
1998	Organizing Committee, Intl. Symposium <i>Quantum Field Theory at Work</i> , Rehovot, Israel
1999	Organizing Committee, Intl. Workshop <i>Challenges in QCD</i> , Kfar Giladi, Israel
1999	Organizing Committee, Annual Meeting of Israel Physical Society
2000	Scientific Coordinator, Sackler Prize in Physical Sciences
2002-2003	Chairman, Presidential Fellowships Steering Committee, Affirmative Action Program, Tel Aviv University
2001-2004	Board of Governors, National Center for Science Teaching (MALAM)
2001	Organizing Committee, Annual Meeting of Israel Physical Society
2001	Alon Fellowships' Committee for Outstanding Young Faculty, Grants and Planning Committee, Israel Council for Higher Education
2002-	Coordinator, science study program for gifted high school students from development towns and disadvantaged neighborhoods; Tel Aviv University (ATIDIM)
2003	Fulbright Postdoctoral Fellowships Committee, US-Israel Educational Foundation

2003 Program Committee, Light Cone Workshop *Hadrons and Beyond*, Institute for Particle Physics Phenomenology, Durham

2004 Fulbright Postdoctoral Fellowships Committee, US-Israel Educational Foundation

2004- Israel Committee on High Energy Physics

2005 Program Committee, Y. Neeman's 80-th Birthday Symposium, Tel Aviv University

2005 Fulbright Postdoctoral Fellowships Committee, US-Israel Educational Foundation

2005- Supreme National Steering Committee for Science and Technology Studies, Ministry of Education, Israel

2005- University Committee for Academic Quality Control, Tel Aviv University

2006-2008 Organizing Committee, Particles and Nuclei Conference (PANIC 2008)

2006 Scientific Coordinator, Sackler Prize in Physical Sciences, (jointly with E. Piasetzky)

2006- Academic Supervisory Committee, "Youth University", Tel Aviv University

2007- Scientific Committee, Sackler Institute for Solid State Physics

2006-2010 Chairman, Department of Particle Physics, Tel Aviv University

2009 Scientific Coordinator, Sackler Prize in Physical Sciences

2010-2016 Chair, Institute for Theoretical Physics, School of Physics and Astronomy, Tel Aviv University

2010-2011 Fellowships Committee, Faculty of Exact Sciences, Tel Aviv University

2011- Organizing Committee, Flavor Physics & CP Violation 2011 (FPCP 2011)

2011- Long-Range Planning Committee, School of Physics and Astronomy, Tel Aviv University

2011- Advisor to Tel-Aviv University President and Rector on Academic Computing

2011- Fellowships Committee, School of Physics and Astronomy

2011-2012 Chair, PhD Committee, School of Physics and Astronomy

2012-2016 Tel Aviv University Academic Appointment Committee

2014- Organizing Committee, Israel-Denmark Symposium on High Energy Physics, Niels Bohr Institute, Copenhagen, May 2015

2015- Director, The Mortimer and Raymond Sackler Institute of Advanced Studies, Tel Aviv University

Journal Referee:

Physical Review Letters
 Physical Review D
 Nuclear Physics B
 Physics Letters B
 Nuclear Physics A
 Journal of High Energy Physics

Research Proposal Referee:

US National Science Foundation

FOM – Netherlands Foundation for Fundamental Research on Matter

Canada Council for The Arts – Killam Program

US-Israel Bi-National Science Foundation

German-Israeli Foundation for Scientific Research and Development

Israel Science Foundation

Fulbright Foundation

Israel Science Foundation, Grant Sub-Committee on Particle and Nuclear Physics

Multiple service over the years, as chair and member

German-Israeli Foundation for Scientific Research and Development

Multiple service over the years as senior advisor