

# Nir J. Shaviv

CURRICULUM VITAE, JANUARY 2020

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GENERAL INFORMATION	<i>Birth:</i> July 6, 1972. Ithaca, NY, USA <i>Nationality:</i> Israeli, American <i>Marital Status:</i> Married + 2 <i>e-mail:</i> shaviv@phys.huji.ac.il <i>http://www.phys.huji.ac.il/~shaviv</i>	<i>Voice:</i> +972-2-6585807 <i>Home:</i> +972-77-7011146 <i>Cell:</i> +972-54-4738555 <i>Fax:</i> +972-2-5611519
EDUCATION	1986-1990 Bachelor of Arts in Physics, <i>summa cum laude</i> , Israel Institute of Technology 1992-1994 Master of Science in Physics, Israel Institute of Technology Thesis: "Pattern Formation in Astrophysical Media" 1994-1996 Doctor of Science, in Physics, Israel Institute of Technology Thesis: "The Origin of Gamma Ray Bursts"	
ACADEMIC POSITIONS	2012- Full Professor, Racah Institute of Physics, Hebrew University 2014-2015 Member, Institute for Advanced Study, Princeton 2006-2012 Associate Professor, Racah Institute of Physics, Hebrew University 2001-2006 Senior Lecturer, Racah Institute of Physics, Hebrew University 1999-2001 Post doctoral fellow at CITA – The Canadian Institute for Theoretical Astrophysics, University of Toronto (departmental fellowship) 1996-1999 Lee DuBridgde Prize Fellow at the Theoretical Astrophysics Group, California Institute of Technology (departmental fellowship)	
OTHER POSITIONS	2015- Chairman, Racah Institute of Physics, Hebrew University 2016- Member, Senate's Standing committee, Hebrew University 2018- Member, Board of Governors' Executive Committee, Hebrew University 2016 - Editorial Board Member, JCAP - J. of Cosmology and Astroparticle Physics 2015- Editorial Board Member, (nature) Scientific Reports 2010-2014 Chairman, National coordinating council of faculty unions, Israel 2011-2014 Vice Chairman, Hebrew university faculty union 2008-2011 Chairman, Hebrew university faculty union 2004-2018 Board Member, Hebrew university faculty union 1993-1996 Teaching Assistant, Department of Physics, Technion. 1990-1993 Military Service in the IDF (Unit 8200)	

RESEARCH INTERESTS		Radiative Transfer and Hydrodynamics, High Energy Astrophysics (in particular, cosmic rays), Compact Objects, Stellar structure, Climate (Terrestrial and exoplanets).
HONORS, PRIZES AND AWARDS	2014 2004 2000 1996 1996 1996 1995 1990	The IBM Einstein Fellowship, Institute for Advanced Study, Princeton The Siegfried Samuel Wolf Lectureship in nuclear physics (HU) The Beatrice Tremaine Award (awarded by CITA) Persistent excellent teaching assistant award (Technion) The Wolf Award for PhD excellence (nationally in Israel) Lee A. DuBridge Prize fellowship (Caltech) Excellent teaching assistant award (Technion) B.Sc., Technion, <i>Summa Cum Laude</i> (and first in class)
RESEARCH GRANTS (PAST 5 YRS)	2015-2019 2019-2023 2019-2021	“Cosmic Ray Diffusion in the Inhomogeneous Milky Way Galaxy”, Israel Science Foundation, (180K\$) “High Luminosity Radiating Winds: A novel statistical description of clumpy outflows”, ISF (200K\$) “From atmospheric charge to clouds - the key to understanding past and future climate change”, Israel Ministry of Energy (100K\$)
GRADUATE STUDENTS AND POST-DOCS (PAST 5 YRS)	2011-2016 2013-2017 2017- 2013-2014 2017-	David Benyamin: On Cosmic Ray Diffusion in the dynamic Milky Way (PhD) Shlomi Ziskin: Modeling Climate of Exoplanets (PhD) Odelia Teboul, in High Energy Astrophysics (PhD,) Tomer Shacham: Eruptions on Massive Stars (post-doc) Irina Thaler (post-doc)
TEACHING AT THE HEBREW UNIVERSITY (UNDERGRAD)	2002,3,12 2002,3 2003,4 2004-7,10,11,15 2005-7,09,13 2007 2017,18,19	Astrophysics & Cosmology (undergraduate level) “Workshop” for Etgar program (honor) students Electricity, Magnetism and Optics for Biology majors Mechanics and Relativity for Physics majors Order of Magnitude Physics Continuum Mechanics (Hydrodynamics and Elasticity) Physics for Decision Makers (Cornerstone program)
(GRADUATE)	2008-2012	Advanced Astrophysics (Stellar Structure & High Energy Astrophysics)