

Yosef Nir – Curriculum Vitae

Employment History

(Weizmann Institute of Science = WIS)

- 2016-2021 Member of the Scientific Policy Committee (SPC) of CERN
<http://council.web.cern.ch/council/en/SPC/SPCWelcome.html>
- 2016-2022 Member of the Scientific Advisory Board of MIAPP (Munich)
<http://www.munich-iapp.de/>
- 2018- Member of the GGI Scientific Committee (Florence)
<http://www.ggi.fi.infn.it/>
- 2019- Member of the Committee for Strategic Planning for Gender Fairness (Israel)
- 2021- Member of the Advisory Board of Gender for Excellence in Research (GenderEX)
<http://genderex.eu/>
- 2013-2019 I-CORE, the Quantum Universe Center of Research Excellence: Scientific Director
http://www.weizmann.ac.il/icore/quantum_universe/
- 2011-2019 Member of the EPS-HEPP Board
<https://eps-hepp.web.cern.ch/eps-hepp/index.php>
- 2017- 2021 WIS: Head of the Department of Particle Physics and Astrophysics
<http://www.weizmann.ac.il/particle/>
- 2008-2015 WIS: Dean of Physics
<http://www.weizmann.ac.il/pages/faculty-of-physics>
- 2005-2006 WIS: Chairperson of the Committee of Appointments and Promotions
- 1999-2000 IAS, Princeton: Member
- 1998- WIS: Full Professor
- 1994-1998 WIS: Associate Professor
- 1990-1994 WIS: Senior Researcher
- 1988-1990 SLAC, Stanford: Research Associate

Education

- 1985-1988 WIS, Ph.D in Physics; Advisor: Haim Harari
Phenomenological aspects of theories beyond the Standard Model
- 1986-1987 SLAC, Fulbright Fellow
- 1982-1985 WIS, M.Sc. in Physics; Advisor: Adam Schwimmer
Infrared treatment of higher anomalies
- 1979-1982 Technion, B.Sc. in Physics

Books

- **The Mystery of the Missing Antimatter**, with Helen Quinn, Princeton University Press, 2007
 - o <https://press.princeton.edu/books/paperback/9780691163932/the-mystery-of-the-missing-antimatter>
- **The Standard Model: From Fundamental Symmetries to Experimental Tests**, with Yuval Grossman, Princeton University Press, 2023
 - o <https://press.princeton.edu/books/ebook/9780691239118/the-standard-model>
- **Uri travels in space** (in Hebrew), Agam Publishing, 2023
- **Gender and Physics in the Academy: Theory, Policy and Practice in European Perspective**, editor with Meytal Eran-Jona, Pauline Leonard and Marika Taylor, Bristol University Press, 2023
 - o <https://bristoluniversitypress.co.uk/gender-and-physics-in-the-academy>
- **Supernova Surprise** (first in a three-book series, “Out of This World”), Kinneret-Zmora Publishing, 2025
 - o <https://lamapublishers.com/books/out-of-this-world/>

Lectures in Schools

02/2025	GIAN course (JNU, New Delhi): <i>The Standard Model</i>
12/2022	European School of High Energy Physics (Israel): <i>Flavor and CP violation</i>
03/2022	Mini-course on flavor physics (UAM, Madrid): <i>Flavor and CP violation</i>
09/2019	RTG Fall Workshop 2019 (Freiburg): <i>Flavor and CP violation</i>
02/2019	KMI School 2019 (Nagoya): <i>CP violation</i>
09/2018	Fourth Asia-Europe-Pacific School on HEP (Vietnam): <i>Flavor Physics and CPV</i>
01/2018	Fifth Chilean School on HEP (Valparaiso): <i>The SM</i>
11/2017	Fifth Autumn School on Physics of the SM and Beyond (Tbilisi): <i>The SM</i>
06/2017	ICTP Summer School on Particle Physics (Trieste): <i>The SM and flavor</i>
11/2016	NBI course (Copenhagen): <i>Flavor Physics</i>
01/2016	3 rd GGI Lectures (Florence): <i>Flavor Physics</i>
06/2015	CERN-Fermilab HCP Summer School (CERN): <i>The Standard Model</i>
06/2015	Invisibles 15 School (Madrid): <i>Flavor Physics</i>
03/2013	CERN-CLAF School (Peru): <i>Flavor Physics</i>
08/2012	PSI ZuoZ Summer School (Switzerland): <i>Models of Flavor Physics</i>
07/2012	XXXX SLAC Summer Institute (SLAC): <i>CP Violation</i>
07/2012	1 st IAS-CERN School (NTU, Singapore): <i>CPV and Baryogenesis</i>

04/2011	Academic Training Program (CERN): <i>Flavor Physics and CPV</i>
08/2010	XXXVIII SLAC Summer Institute (SLAC): <i>Lepton Flavor</i>
07/2010	2010 Cargese Summer School (Corsica): <i>Flavor Physics</i>
07/2009	2009 Baikal Summer School (Russia): <i>Flavor Physics and CPV</i>
07/2010	International Neutrino Summer School (Fermilab): <i>Leptogenesis</i>
03/2009	CERN-CLAF School (Colombia): <i>Flavor Physics</i>
01/2009	SILAFAE 2009 (Bariloche): <i>Flavor Physics</i>
01/2009	26 th Jerusalem Winter School (HU): <i>Flavor Physics</i>
06/2008	European School of HEP (Belgium): <i>Flavor Physics and CPV</i>
02/2008	ITEP International Winter School (Moscow): <i>Flavor Physics</i>
07/2007	PiTP 2007 (IAS, Princeton): <i>Flavor Physics</i>
06/2007	2 nd Fermilab-CERN Summer School (CERN): <i>Flavor Physics</i>
08/2005	Les Houches Summer School (France): <i>B Physics</i>
03/2005	3 rd CERN-CLAF School (Argentina): <i>CPV and Flavor Physics</i>
03/2004	Research Training Program (CERN): <i>Neutrino Physics</i>
06/2003	ISAPP 2003 (Italy): <i>Neutrino Physics</i>
08/2001	55 th Scottish Universities Summer School (St. Andrews)
02/2000	Australian School of Nuclear and Particle Physics (Sydney)
07/1999	XXVII SLAC Summer Institute (SLAC)
06/1999	1999 ICTP Summer School (Trieste)
02/1999	1999 KIAS Particle Physics Winter School (Seoul)
08/1998	European School of HEP (St. Andrews)
07/1998	1998 Cargese Summer School (Corsica)
11/1997	XII Colombian School of Theoretical Physics (San Andres)
12/1992	Jerusalem Winter School on Neutrino Astrophysics (HU)
07/1992	XX SLAC Summer Institute (SLAC)
07/1991	TASI-91 (Boulder)

Invited Talks

12/2025	Violation of Fundamental Symmetries with B Mesons (Fermilab): <i>Theory Perspective</i>
11/2025	Flavors at FCC workshop (CERN): <i>Theory Perspective</i>
11/2022	University of Southampton: <i>The jewels in the crown of the LHC</i>
11/2021	WPC Symposium 2021 (DESY): <i>The three jewels in the crown of the LHC</i>
09/2018	1 st workshop on HET and gender (CERN): <i>Women in Physics – why so few?</i>
06/2018	PACTS 2018 (Tallinn): <i>The Flavor of Higgs</i>
02/2018	Voyages BSM Workshop (French Polynesia): <i>Questions to the Higgs</i>
01/2018	Dortmund University: <i>The Flavor of Higgs</i>

04/2017 University of Crete (Heraklion): *Flavor Physics*
 02/2017 Lake Louise Winter Institute (Canada): *Flavor Physics*
 09/2016 NatiFest Conference (IAS, Princeton): *The taste of flavor*
 05/2016 Higgs Tasting Workshop (Benasque): *The flavor of h*
 02/2016 Voyages BSM Workshop (Grenada): *$h \rightarrow \tau\mu$*
 09/2015 Niels Bohr Institute (Copenhagen): *$h \rightarrow \tau\mu$*
 08/2015 39th Johns Hopkins Workshop (Gothenburg): *The Flavor of Higgs*
 05/2015 Niels Bohr Institute (Copenhagen): *The Flavor of Higgs*
 01/2015 Zurich Phenomenology Workshop: *The Flavor of Higgs*
 12/2014 Ben Gurion University: *The Mystery of the Missing Antimatter*
 10/2014 X SILAF AE (Medellin): *Flavor Physics*
 10/2014 University of Hawaii: *The Flavor of Higgs*
 10/2014 Cornell University: *The Flavor of Higgs*
 05/2014 Planck 2014 (Paris): *The Flavor of Higgs*
 01/2014 The top-charm frontier (CERN): *Opening talk*
 09/2013 Brda 2013 (Slovenia): *hhh*
 05/2013 Nobel Symposium (Sweden): *Flavor Physics: Past, Present, Future*
 04/2013 Portoroz Workshop (Slovenia): *The Flavor of Higgs*
 01/2013 The Dine-Haber Fest (UCSC): *The Flavor of Higgs*
 06/2012 WS on Flavor Physics (Capri): *From Top to Charm and Back*
 04/2012 LHCb WS (CERN): *From Flavor to Collider and Back*
 04/2010 The Quinn Fest (SLAC): *Theory of CPV in B Decays*
 05/2009 Planck 2009 (Padova): *Flavor Physics*
 10/2008 B-Factory Symposium (SLAC): *Understanding Flavor and CPV*
 05/2008 Neutrino 2008 (Christchurch): *Leptogenesis*
 04/2008 WS on String Theory (HU): *Understanding flavor at the LHC*
 01/2008 WS on LHC Physics (Valparaiso): *Understanding flavor at the LHC*
 01/2007 LHCb WS (Edinburgh): *New Physics from flavor physics*
 12/2006 WS on LHC Physics (Valparaiso): *Lessons from B-factories*
 08/2006 6th Recontres du Vietnam (Hanoi): *Leptogenesis*
 05/2006 Quarks 2006 (St. Petersburg): *New physics from B physics*
 11/2005 WS on Flavor in the LHC Era (CERN): *New physics from B physics*
 06/2005 Highlights of B Factories (Krakow): *New physics from B physics*
 05/2005 IFT WS on Neutrino Physics (Madrid): *Leptogenesis*
 08/2004 5th Recontres du Vietnam (Hanoi): *CP Violation*
 01/2004 WHEPP 8 (Bombay): *CP Violation*
 10/2003 HERA WS (WIS): *CP Violation*
 04/2003 Ringberg Phenomenology WS (Ringberg): *SU(3) for CP Violation*
 12/2002 WS on Third Generation (Rome): *CP Violation*
 07/2002 31st ICHEP (Amsterdam): *CP Violation*

11/2001	5 th KEK Topical Conference (KEK): <i>Flavor symmetries</i>
12/2000	UK Theory Winter Meeting (Rutherford Lab): <i>CP Violation</i>
09/2000	DESY WS on CPV and Rare Processes (Hamburg)
04/2000	3 rd Latin American Symposium on HEP (Cartagena)
05/1998	Minerva-GIF Gentner Symposium (HU)
02/1998	WS on Theory of LHC Processes (CERN)
07/1997	LP 1997 (Hamburg): <i>CP Violation</i>
11/1996	BaBar Physics WS Series (Rome): <i>Opening lecture</i>
10/1996	Quarks and Leptons: Masses and Mixing (Trieste)
05/1996	WS on K Physics (Orsay)
05/1995	6 th International Symposium on Heavy Flavor Physics (Pisa)
12/1994	5 th Gentner Symposium on Physics (Dresden)
10/1994	WS on the Origin of Fermion Masses and Mixings (Fermilab)
06/1992	WS on B Physics at Proton Accelerators (SSCL)
01/1992	IPS Meeting (WI): <i>Opening lecture</i>
10/1989	Heavy Quark Physics Symposium (Cornell)

Colloquia

07/2024	Hebrew University: <i>Gender in Physics</i>
01/2023	NYU Abu Dhabi: <i>The jewels in the crown of the LHC</i>
11/2022	University of Haifa: <i>The jewels in the crown of the LHC</i>
06/2022	Technion: <i>The jewels in the crown of the LHC</i>
06/2020	KIT (Germany): <i>The three jewels in the crown of the LHC</i>
01/2020	WIS: <i>The three jewels in the crown of the LHC</i>
12/2019	TAU: <i>The three jewels in the crown of the LHC</i>
11/2017	BIU: <i>Neutrino masses go to Stockholm</i>
04/2017	University of Crete (Heraklion): <i>10+1 Best Reasons to Like CP Violation</i>
11/2015	BGU: <i>Neutrino masses go to Stockholm</i>
11/2015	WIS: <i>Neutrino masses go to Stockholm</i>
11/2015	TAU: <i>Neutrino masses go to Stockholm</i>
11/2015	Technion: <i>Neutrino masses go to Stockholm</i>
10/2014	University of Hawaii: <i>10+1 Best Reasons to Like CP Violation</i>
09/2013	Jozef Stefan Institute: <i>Flavor Physics: Past, Present, Future</i>
04/2012	U of Southern Denmark: <i>Flavor Physics: Past, Present, Future</i>
09/2011	Cornell University: <i>Flavorful Hadron Colliders</i>
07/2009	Fermilab: <i>Understanding Flavor at the LHC</i>
06/2009	Technion: <i>CP Violation goes to Stockholm</i>
06/2009	HU: <i>CP Violation goes to Stockholm</i>
03/2009	WIS: <i>CP Violation goes to Stockholm</i>

03/2009	CERN: <i>The NP and (hopefully) SM flavor puzzles at the LHC</i>
11/2008	BIU: <i>Understanding Flavor and CP Violation</i>
10/2008	IAS, Princeton: <i>Understanding Flavor and CP Violation</i>
10/2008	University of Milan: <i>Understanding Flavor and CP Violation</i>
05/2008	CERN: <i>Understanding flavor at the LHC</i>
10/2007	UAM, Madrid: <i>Flavor at the LHC era</i>
10/2007	SLAC: <i>Flavor at the LHC era</i>
05/2007	ETH, Zurich: <i>CP Violation and Flavor Physics: A New Era</i>
05/2007	Universitat Zurich: <i>Leptogenesis</i>
03/2007	IFAE, Barcelona: <i>Leptogenesis</i>
05/2007	CAB, Bariloche: <i>Leptogenesis</i>
02/2007	IAS, Princeton: <i>Leptogenesis</i>
07/2006	LNF, Frascati: <i>Neutrino Anarchy</i>
12/2005	SLAC: <i>What is special about neutrino flavor?</i>
04/2004	IAS, Princeton: <i>Neutrino Physics</i>

Popular Lectures

10/2017	Physics Teachers Day: <i>The mystery of the missing antimatter</i>
04/2016	IPS student conference (Akko): <i>Particle Physics</i>
12/2015	Open University: <i>Physics Nobel Prize 2015</i>
12/2015	Physics Teachers Day: <i>The mystery of the missing antimatter</i>
02/2015	WIS: <i>The mystery of the missing antimatter</i>

Lectures on Gender in Physics

10/2025	פייזיקאיות (in Hebrew, AFIK conference, WIS)
03/2025	<i>Gender in Physics</i> (UNDARK Scientific School, Benasque, Spain)
10/2024	<i>Gender in Physics</i> (UNDARK kick-off meeting, IAC, Tenerife)
09/2024	<i>The Female Postdocs Database and more</i> (GENERA meeting, CERN, Switzerland)
07/2024	<i>Gender in Physics</i> (Colloquium, Hebrew University)
04/2024	<i>Women-only positions and quotas – panel</i> (GenHET meeting, CERN, Switzerland)
10/2023	<i>Women in physics</i> (American Philosophical Society, Philadelphia, USA)
03/2023	<i>Workshop on Gender in Science</i> (AIMS, Kigali, Rwanda)
11/2022	פסיקאיות – מרוץ מכשולים בשדה גברי (Hebrew University, in Hebrew)
04/2022	<i>The glass hurdles for female scientists</i> (WIS)
10/2021	<i>Women physicists: a hurdle race in a masculine field</i> (Technion)
03/2021	פסיקאיות – מרוץ מכשולים בשדה גברי (HEMDA + Swartz-Reisman, in Hebrew)

03/2020	הפורום להשכלה גבוהה, מפגש אקדמיה ומגדר: מגדר בפיזיקה באקדמיה (TAU, in Hebrew)
10/2019	SRitp workshop on Gender in Physics (WIS): <i>Gender in physics in Israel</i>
12/2018	כנס העתיד לשוויון מגדרי: פיסיקאיות – מרוץ מכשולים בשדה גברי (Tel Aviv, in Hebrew)
09/2018	1 st workshop on HET and gender (CERN): <i>Women in Physics – why so few?</i>

Organizing Committees (partial list)

09/2025	NuFact 2025 workshop, convener of IDEEO session (Liverpool, UK)
09/2024	NuFact 2024 workshop, convener of IDEEO session (ANL, USA)
05/2023	LHCP 2023 conference, program committee (Belgrade)
05/2021	Invisibles 2021 workshop (Madrid)
10/2019	WIS: Workshop - <i>Promoting gender equality in physics</i>
07/2019	EPS conference (Ghent)
06/2019	Invisibles 2019 School (Canfranc) and Workshop (Valencia)
09/2018	1 st workshop on HET and gender (CERN)
09/2018	CKM 2018 (Heidelberg)
07/2017	EPS conference (Venice)
08/2015	EPS conference (Vienna)
08/2013	EPS conference (Stockholm)
05/2011	WIS: Workshop - <i>electroweak baryogenesis</i>
02/2010	GGI, Florence: Workshop - <i>indirect searches for NP</i>
06/2008	CERN: <i>Theory Institute Program on Flavor</i>
11/2006	WIS: <i>LHC School</i>
08/2005	Les Houches: <i>Summer School on Particle Physics BSM</i>
07/2003	Aspen: Workshop - <i>The Flavor Puzzle</i>
03/2001	WIS: Workshop - <i>Are the Constants of Nature constant?</i>
08/2001	St. Andrews: <i>Co-director of the 55th SUSSP</i>
12/1998	WIS: <i>Symposium - QFT at Work</i>
08/1997	Jerusalem: <i>International Europhysics Conference on HEP</i>
04/1997	WIS: Workshop - <i>Dynamical Supersymmetry Breaking</i>
03/1997	Rome, Princeton, Orsay, Caltech: <i>Group convener in Babar WS's</i>
07/1993	Marseilles: <i>Session organizer for EPS HEP-93</i>
06/1993	Snowmass: <i>Session organizer for WS on B Physics</i>
07/1991	Eilat: <i>Session organizer for 4th Gentner Symposium</i>

Teaching Experience

1999-2025	Courses on Standard Model, BSM, Particle Cosmology, QFT
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Ph.D. Students (in parenthesis: current academic position)

1995	Zoltan Ligeti (LBL)
1996	Yuval Grossman (Cornell)
2000	Galit Eyal
2001	Sven Bergman (Lausanne)
2003	Gilad Perez (WIS)
2006	Guy Raz
2007	Tomer Volansky (Tel Aviv University)
2008	Guy Engelhard
2008	Tamar Kashti
2011	Kfir Blum (WIS)
2013	Daniel Grossman
2013	Yonit Hochberg (Hebrew University)
2017	Aielet Efrati
2019	Avital Dery (Postdoc at CERN)
2019	Daniel Aloni
2022	Nitsan Bar
2024	Yogev Shpilman
2025	Yehonatan Viernik

Prizes and Fellowships

2011	Fellow of the American Physical Society
2010	The Jack Wolgin Prize for Scientific Excellence
1993	Levinson Prize
1988	Weizmann Fellowship
1987	Kennedy Prize (WIS)
1986	Fulbright Fellowship
1985	Halinger Prize (WIS)
1982	Excellence Prize (Technion)

Personal Data

Born November 28, 1954

Married to Tsafra Perlmutter; Father of Uri, Itai, Amit and Rotem

1973-1978 Military Service