

Elon Lindenstrauss

Office Address at IAS

School of Mathematics

Institute for Advanced Study

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Education

- Ph.D. in Mathematics

The Hebrew University of Jerusalem, Israel, 1999

Thesis Title: Entropy Properties of Dynamical Systems

Thesis advisor: Prof. Benjamin Weiss

- M.Sc. in Mathematics

The Hebrew University of Jerusalem, Israel, 1995

- B.Sc. in Mathematics and Physics

The Hebrew University of Jerusalem, Israel, 1991

Academic Positions Held

- Professor, IAS Princeton, 2024-
- Professor, Hebrew University, 2008- (since 2018, the Alice Kusiel and Kurt Vorreuter University Chair)
- Chair, Einstein Institute of Math, 2016-2018
- Professor, Princeton University, NJ 2004-2010
- Visiting Member, Courant Institute, NYU 2003–2005
- Clay Mathematics Institute Long Term Prize Fellow 2003–2005
- Szego Assistant Professor, Stanford University, CA 2001–2003
- Member, Institute for Advanced Study, Princeton NJ 1999–2001
- Clore Fellowship, Hebrew University, Jerusalem 1998–1999
- Teaching Assistant, Hebrew University, Jerusalem 1997–1998

Scholarships and Awards

- Elected to the Academia Europaea, 2012
- Elected to the Israel Academy of Sciences and Humanities, 2012
- Fields Medal 2010
- Fermat Prize 2010

- The Anna and Lajos Erdős Prize in Mathematics 2009
- Michael Bruno Memorial Award (given by the Rothschild “Yad Hanadiv” Foundation) 2008
- European Mathematical Society Prize 2004
- Salem Prize 2003
- Clay Mathematical Institute Long Term Prize Fellow 2003-2005
- Leonard M. and Eleanor B. Blumenthal Award for the Advancement of Research in Pure Mathematics 2001
- Nessyahu Prize for Ph.D. Thesis 2001
- Kennedy-Lee Prize for Ph.D. thesis 2000
- Charles Clore Scholarship (three years award) 1998
- Yashinski prize for excellence in graduate studies 1998

Research students (with date of graduation)

MSc students

- Asaf Katz, MSc Hebrew University, 2010
- Or Landesberg, MSc Hebrew University, 2014
- Tsviqa Lakrec, MSc Hebrew University, 2016
- Ron Mor, MSc Hebrew University, 2018
- Tal Barak, MSc Hebrew University, 2024

PhD students

- Shimon Brooks, PhD Princeton, 2009
- Zhiren Wang, PhD Princeton, 2011
- Ilya Khayutin, PhD Hebrew University, 2016
- Asaf Katz, PhD Hebrew University, 2017
- Tom Gilat, PhD Hebrew University, 2018
- Or Landesberg, Hebrew University, 2020
- Tsviqa Lakrec, Hebrew University, 2021
- Zvi Shem Tov, Hebrew University, 2022 (jointly with Lior Silberman)
- Ron Mor, Hebrew University, 2024

Editorial Responsibilities:

- Member of the Editorial Board, Ergodic theory and dynamical systems, Cambridge University Press
- Member of the Editorial Board, Journal d’Analyse Mathématique
- Member of the Editorial Board, Duke Math. Journal

Advisory boards

- ETH-ITS scientific committee 2013–2019
- Bernoulli Center scientific advisory board 2023– (formally also before, but the center was inactive due to COVID)

Organization of Conference and Meetings

- Ergodic Theory and Beyond, Jerusalem July 2022
- Mostly Dynamics live overlay section of Virtual ICM, July 2022
- BIRS Workshop 17w5068 Mean Dimension and Sofic Entropy Meet Dynamical Systems, Geometric Analysis and Information Theory, Banff, CA, July 2017
- Ergodic Theory, Fractals and Groups, Jerusalem, October 2015
- MSRI program Geometric and Arithmetic Aspects of Homogeneous Dynamics, Jan-May 2015
- Special semester on Arithmetic and Dynamics, Jerusalem IAS, Sept 2013-Feb. 2014
- Equidistribution in Number Theory and Dynamics, Zurich, March 2013
- Homogeneous Dynamics and Number Theory, Oberwolfach, July 2010
- Oberwolfach Seminar: Equidistribution of Finite Volume Orbits on Homogeneous Spaces, Oberwolfach, May 2009
- Equidistribution on homogeneous spaces, Columbus Ohio, 2008
- Clay Summer School on Homogeneous Flows, Moduli Spaces and Arithmetic Centro di Ricerca Matematica Ennio De Giorgi, Pisa, 2007
- 05w5029 Rigidity, Dynamics, and Group Actions, Banff International Research Station, July 2005
- Harmonic Analysis, Ergodic Theory and Probability - a conference in honor of Izzy Katznelson's 70th Birthday, Stanford University, December 2004
- Emerging applications of measure rigidity American Institute of Mathematics, June, 2004

Selected invited addresses:

- Simons lecture, MIT, Feb 2024
- Mordell lecture, Cambridge University, March 2019
- Scientific Nobel Day, French Academy of Sciences, June 2018
- Sherman Lectures, IU at Bloomington, April 2017
- Oppenheim Lecture, NUS, Singapore, February 2017
- Morse Lectures, IAS Princeton, March 2015
- Hahn Lectures, Yale University, October 2014
- Magna Lectures, IMPA, Rio de Janeiro, August 2013
- Erdős Centennial Conference, Budapest, July 2013 (Plenary lecture)
- Ahlfors Lecture series, Harvard, October 2012
- Rado Lecture series, The Ohio State University, February 2012
- British Mathematics Colloquium, Leicester 2011 (Plenary Lecture)
- International Congress of Mathematicians, Hyderabad 2010 (Plenary Lecture)
- Distinguished Lecture series, Indiana University, Bloomington IN, 2008
- Clay Lectures on Mathematics, Tata Institute of Fundamental Research, Mumbai, 2007
- Plenary Lecture, DMV Jahrestagung, Bonn 2006

- International Congress of Mathematicians, Madrid 2006 (invited address in the ODE/Dynamical Systems Section)
- Lie Groups: Dynamics, Rigidity, Arithmetic – a conference in honor of the 60th birthday of Gregory Margulis, Yale 2005
- SMS-NATO ASI 2005 Summer School Equidistribution in Number Theory (minicourse), Montreal 2005
- Fourth European Congress of Mathematics. Stockholm, Sweden 2004
- Conference on Probability in Mathematics – a conference in honor of Hillel Furstenberg, Jerusalem and Be'er Sheva, Israel, June 2003.
- II Workshop on Dynamics and Randomness, 3-lecture series F.C.F.M.-U. de Chile, Santiago, Chile, December 2002