

# Naomi Dvora Feldheim

Senior Lecturer  
Department of Mathematics  
Bar-Ilan University  
Ramat-Gan 5290002 Israel

Office: building 216, room 217  
phone: 09-9749740  
Email: [naomi.feldheim@biu.ac.il](mailto:naomi.feldheim@biu.ac.il)  
Homepage: <http://u.cs.biu.ac.il/~feldhen/>

## Education

- 2011–2014 Ph.D. in Pure Mathematics, Tel Aviv University  
with excellence award  
Topic: Zeroes of Stationary Gaussian Functions  
Supervisor: Prof. Mikhail Sodin  
Date of award: September 2015.
- 2007–2010 M.Sc. in Pure Mathematics, Tel Aviv University,  
with great distinction  
Topic: Zeroes of Random Analytic Functions with shift-invariant distribution  
Supervisor: Prof. Mikhail Sodin  
Date of award: February 2011.
- 2002–2006 B.Sc. in Pure Mathematics, Tel Aviv University,  
with great distinction  
Date of award: June 2006

## Employment

- 2018–present Senior Lecturer at Bar-Ilan University,  
Department of Mathematics
- 2017–2018 Post-doctoral fellow at Weizmann Institute of Science  
Host: Prof. Ofer Zeitouni
- 2015–2017 NSF Post-doctoral fellow at Stanford University  
Host: Prof. Amir Dembo
- 2014–2015 Post-doctoral fellow at IMA (Institute for Mathematics and its Applications),  
University of Minnesota,  
thematic year on “Discrete Structures: Analysis and Applications”  
Host: Prof. Dmitriy Bilyk

## Research Interests

Analysis and Probability.

In particular: Gaussian processes, harmonic and complex analysis.

## Grants and Awards

2019-2023	ISF (Israel Science Foundation) personal grant
2015–2017	NSF postdoctoral research fellow in mathematics
2013	School of Mathematics award for Ph.D. studies
2013	School of Mathematics award for teaching assistance
2012-2013	Two annual Rector's list of 100 best teachers of TAU
2011	School of Mathematics award for Master studies
2004–2007	Three annual Dean's list awards for B.Sc. studies
2004	The Israeli inter-city Mathematics competition for high-school students, second place award
2003	TAU school of Math award for gifted high-school students learning in university

## Talks in Conferences and Seminars

Jun 2021	Paris 5 Probability seminar
May 2021	Conference on Set Estimation, CIRM, Marseille (online)
Nov 2021	Haifa University mathematics colloquium
Oct 2020	Workshop on Random Processes under constraints, Oberwolfach (online)
Oct 2020	Bristol, Queen Mary and Warwick joint seminar (online)
Oct 2020	Online Asymptotic Geometric Analysis Seminar
Jan 2020	EE Colloquium at TAU, Tel-Aviv
Dec 2018	Hebrew University mathematics colloquium, Jerusalem
Jun 2018	Random waves in Oxford, Oxford
2018, -16, -10	Israel Mathematical Union meeting
2018, -15	Technion Probability seminar, Haifa
Apr 2018	Bar-Ilan probability seminar, Ramat-Gan
Dec 2017	Ben-Gurion University mathematics colloquium, Be'er-Sheva
Nov 2017	Bar-Ilan University mathematics colloquium, Ramat-Gan
July 2017	The 39th conference on Stochastic Processes and their Applications, Moscow
2017, -15	HUJI probability and ergodic theory seminar, Jerusalem
2020,-18,-17,-15	TAU Analysis seminar/ Horowitz probability seminar, Tel-Aviv
2017,-15,-13	Stanford probability seminar
2016, -15	UC Davis probability and mathematical physics seminar
Jul 2016	Northwestern school in probability, Evanston
Jun 2016	BGU probability and ergodic theory seminar, Be'er-Sheva
Apr 2016	Georgia Tech Analysis seminar, Atlanta
Feb 2015	University of Minnesota Probability seminar, Minneapolis
July 2014	Workshop on persistence probabilities and related fields, Darmstadt

## Teaching Experience

2018 – 2021	Probability and Stochastic Processes (for master students) [Instructor]
2021	Fourier Analysis and applications [Instructor]
2020	Introduction to Random Functions (graduate course) [Instructor]
2011–2014	Tools for beginning mathematicians (logic, proofs and learning skills) [Instructor]
2010–2013	Calculus I and II for mathematicians [TA]
2012	Crash course in probability for gifted young students [TA]
2011	Crash course in Calculus III for gifted young students [TA]
2009	Topology [TA]
2009	Complex Analysis [TA]

## Organization Experience

July 2021	Session on “Gaussian processes” in the 10th world congress in Probability and Statistics, Seoul, Korea (online)
2018-present	Bar-Ilan Probability seminar
2020-present	Bar-Ilan Analysis seminar
2020-present	Joint Israeli Probability Seminar (online)
2016	Stanford Probability seminar
2009-2011	Tel-Aviv University graduate student seminar

## Referee service for journals

Communications on Pure and Applied Mathematics  
Communications in Mathematical Physics  
Probability and Mathematical Physics  
Proceedings of the AMS  
International Mathematics Research Notices  
Annals of Applied Probability  
Journal of Analysis and Its Applications  
Journal of Statistical Physics  
Journal of Approximation Theory  
Electronic Journal of Probability  
AIHP (Annals de l’Institute Henri Poincaré)  
Applied and Computational Harmonic Analysis  
IEEE