Full name: Omer Offen
Web site: `http://www.technion.ac.il/~offen`

Curriculum Vitae

Academic Degrees

Ph.D.	2002	Mathematics	Columbia University.
			Thesis advisor: Prof. Hervé Jacquet.
M.Sc.	1998	Mathematics	Columbia University.
B.Sc.	1996	Mathematics	Tel Aviv University (*summa cum laude*).

Academic Appointments

2016–	Visiting Associate Professor	Mathematics	Brandeis University
2013–	Associate Professor (Tenured)	Mathematics	Technion
2008–2013	Assistant Professor	Mathematics	Technion
2006–2008	Minerva Fellow	Mathematics	Humboldt-Universität zu Berlin
2004–2006	Postdoctoral Fellow	Mathematics	Weizmann Institute
2003–2004	Member		Max-Planck-Institut für Mathematik
2002–2003	William Hodge Fellow		Institut des Hautes Études Scientifiques.

Research Interests

Automorphic Forms, Representation Theory, Number Theorey.

Teaching Experience

Undergraduate Courses Calculus, Linear Algebra, Elementary Number Theory, Introduction to Group Theory, Rings and fields, Field Theory, Rings and Modules
Graduate Courses Topics in Representation Theory, Commutative Algebra, Lie Algebras, Topics in Number Theory, Algebraic Number Theory, Analytic Number Theory, Local Class Field Theory

Departmental and University Services

- Undergraduate advisor, Department of Math, 2014–2016.

- Head of the undergraduate teaching committee, Department of Math, 2012–2016.

- Member of the university ethics committee, 2013–2016.

- Curriculum coordinator for Math and Electric Engineering Dpts., 2013–2016.

- Colloquium co-organizer, Department of Math, 2010–2012.

Service to the Profession

- HIM coordinator at the special Trimester Program: Representation Theory, Complex Analysis and Integral Geometry. HIM, joint with the MPIM June - August, 2007.

- Refereed grant proposals for: NSF, BSF, ISF and GIF.

- Refereed manuscripts for: JNT, PJM, AJM, Compositio, JFA, Proceedings of the AMS, IJNT, RMSS, Jour. of Alg., RIMS, Israel Jour. Math., AIM., IMRN, MRL, DMJ

Honors

2007-2011	Journal of Number Theory top cited article
	(awarded for the 20 most cited articles over the period 2007-2011)
2006–2008	Minerva Fellowship
2004-2006	Edith and Edward F. Anixter Postdoctoral Fellowship
2002–2003	William Hodge Fellowship, IHÉS

Postdoctoral Advisor

- Arnab Mitra, 2014–2016

Graduate Students

Completed PhD theses

- Or Beit Aharon, PhD student, Primary advisor: Moshe Baruch, 2015.

- Maxim Gurevich, PhD student, "On distinguished representations of p-adic general linear groups", 2016.

- Alexander Kemarsky, PhD student, "Distinguished representations of $GL_n(\mathbb{C})$", 2016. Secondary advisor: Moshe Baruch.

Completed MSc theses

- Dror Ozeri, MSc student, "Spherical functions of 2-adic Ramified Hermitian Spaces", 2012. Secondary advisor: Moshe Baruch.

Research Grants

- 2012–2016: ISF Grant No. 1394/12, 680,000 NIS, principal investigator: Omer Offen.

- 2009-2012: GIF, 192,100 Euro, principal investigators: Erez Lapid, Werner Müller, Omer Offen and Tobias Finnis.

- 2008–2011: ISF Grant No. 88/08, 354,000 NIS, principal investigator: Omer Offen.

Invited Lectures
Conferences

- Representation theory of reductive groups over local fields and applications to automorphic forms, Weizmann Institute, Israel, June 2017.

- Whittaker Functions: Number Theory, Geometry and Physics, BIRS, Canada, June 2016.

- Relative Trace Formula, Periods, L-functions and Harmonic Analysis, Luminy, France, May 2016.

- Nisyros conference on automorphic forms, Nisyros, Greece, June 2015.

- The Future of Trace Formulas, BIRS, Canada, June 2014.

- Modular Forms, Mathematisches forschunginstitut Oberwolfach, Germany, April 2014.

- Spherical Varieties and Automorphic Representations, Mathematisches Forschunginstitut Oberwolfach, Germany, May 2013.

- Combinatorics, Multiple Dirichlet series and Analytic Number Theory, Brown University, April 2013

- Automorphic Representations and Related Topics, RIMS Kyoto, Japan, January 2013

- International Colloquium on "Automorphic Representations and L-Functions", TIFR Mumbai, India, January 2012.

- Representations des groupes reductifs p-adiques, Porquerolles, France, June 2012.

- 2012 Conference on L-functions, Jeju, Korea, August 2012.

- Automorphic Forms: New Directions, Oberwolfach, Germany, March 2011.

- Representation Theory and Harmonic Analysis, Mathematisches Forschunginstitut Oberwolfach, Germany, November 2010.

- Automorphic Forms and Number Theory, International Center in Dona Paula, Goa, India, August 2010.

- Representations of p-adic groups, Porquerolles, France, June 2010.

- Whittaker Functions, Crystal Bases, and Quantum Groups, BIRS, Canada, June 2010.

- Relative trace formula and periods of automorphic forms, AIM, USA, August 2009.

- Fourth Workshop on Multiple Dirichlet Series, Stanford University, USA, June 2009.

- Multiple Dirichlet Series and Applications to Automorphic Forms, ICMS, Scotland, August 2008.

- The 10th Autumn Workshop on Number Theory, Hakuba, Japan, November 2007.

- Harmonic analysis and representations of topological groups, Mathematisches Forschunginstitut Oberwolfach, Germany, October 2007.

- Automorphic Galois representations, L-functions and Arithmetic, Columbia University NYC, USA, June 2006.

- Applications of Representation Theory to Analytic Number Theory, Technion Haifa, Israel, December 2005.

Lecture Series

- Mini course-Distinguished representations and Relative trace formula, Luminy, France, May 2016.

- Number Theory Program, Beijing, Morningside Center of Mathematics, Chinese Academy of Sciences, Oct 2011.

- Séminaire Groupes réductifs. Université de la Méditerranée, Aix-Marseille II, March 2006.

Publications

- Erez Lapid and Omer Offen. "On the distinguished spectrum of $Sp(2n)$ with respect to $Sp(n) \times Sp(n)$". To appear in *Kyoto Journal of Mathematics.*

- Nadir Matringe and Omer Offen. "Gamma factors root numbers and distinction". To appear in *Canadian Journal of Mathematics.*

- Omer Offen. "On parabolic induction associated with a p-adic symmetric space". *J. Number Theory* 170 (2017), 211227.

- Arnab Mitra, Omer Offen and Eitan Sayag "Klyachko models for ladder representations". *Doc. Math.* 22 (2017), 611657.

- Arnab Mitra, Omer Offen "Vanishing of local symplectic periods for cuspidal representations of the unitary group". C. R. Math. Acad. Sci. Paris 355 (2017), no. 1, 1519.

- Maxim Gurevich and Omer Offen. A criterion for integrability of matrix coefficients with respect to a symmetric space. *J. Funct. Anal.* 270 (2016), no. 12, 44784512.

- Jeff Hakim and Omer Offen. Distinguished Representations of $GL(n)$ and Local Converse Theorems. *Manuscripta Mathematica.* 148 (2015), no. 1-2, 127.

- Gautam Chinta and Omer Offen. A metaplectic Casselman-Shalika formula for GL_r. *American Journal of Mathematics* 135 (2013), no. 2, 403–441.

- Brooke Feigon, Erez Lapid and Omer Offen. On representations distinguished by unitary groups. *Publications mathématiques de l'IHÉS* 115 (2012), 185–323.

- Avraham Aizenbud, Omer Offen and Eitan Sayag. Disjoint pairs for $GL(n, \mathbb{R})$ and $GL(n, \mathbb{C})$. *Comptes rendus - Mathématique*, 350 (2012), no. 1-2, 9–11.

- Dmitry Gourevitch, Omer Offen, Siddhartha Sahi and Eitan Sayag. Existence of Klyachko models-the Archimedean case. *Journal of Functional Analysis* 262 (2012), no. 8, 3585–3601.

- Omer Offen. On local root numbers and distinction. *Crelle* 652, 165–205, 2011.

- Omer Offen and Eitan Sayag. The SL(2)-type and base change. *Representation Theory* 13: 228–235, 2009.

- Omer Offen and Eitan Sayag. Uniqueness and disjointness of Klyachko models. *Journal of Functional Analysis*, 254(11):2846–2865, 2008.

- Omer Offen and Eitan Sayag. Global mixed periods and local Klyachko models for the general linear group. *International Mathematics Research Notices.* IMRN, (1):Art. ID rnm 136, 25, 2008.

- Omer Offen and Eitan Sayag. On unitary representations of GL_{2n} distinguished by the symplectic group. *Journal of Number Theory*, 125(2):344–355, 2007.

- Omer Offen. Stable relative Bessel distributions on $\mathrm{GL}(n)$ over a quadratic extension. *American Journal of Mathematics*, 129(5):1183–1226, 2007.

- Erez Lapid and Omer Offen. Compact unitary periods. *Compositio Mathematica*, 143(2):323–338, 2007.

- Gautam Chinta and Omer Offen. Unitary periods, Hermitian forms and points on flag varieties. *Mathematische Annalen*, 339(4):891–913, 2007.

- Omer Offen. Residual spectrum of GL_{2n} distinguished by the symplectic group. *Duke Mathematical Journal*, 134(2):313–357, 2006.

- Omer Offen. A remark on the fundamental lemma of Jacquet. *Comptes Rendus Mathématique. Académie des Sciences. Paris*, 342(10):733–736, 2006.

- Omer Offen. On symplectic periods of the discrete spectrum of GL_{2n}. *Israel Journal of Mathematics*, 154:253–298, 2006.

- Omer Offen. Kloosterman-Fourier inversion for symmetric matrices. *Bulletin de la Société Mathématique de France*, 133(3):331–348, 2005.

- Omer Offen. Relative spherical functions on $\wp$-adic symmetric spaces (three cases). *Pacific Journal of Mathematics*, 215(1):97–149, 2004.

- Omer Offen. Correction to the article "Relative spherical functions on $\wp$-adic symmetric spaces (three cases)" [Pacific J. Math. 215(2004), no. 1, 97–149]. *Pacific Journal of Mathematics*, 236(1):195–200, 2008.

Refereed Papers in Conference Proceedings

1. Omer Offen. "A mini course on Distinguished representations". To appear in a sub-series of the SMF devoted to the Chaire Morlet as a volume in Springer Lecture Notes.

2. Erez Lapid and Omer Offen. "The $Sp_n \times Sp_n$-period of a pseudo-Eisenstein series on Sp_{2n}". Automorphic representations and related topics. 75–81, RIMS Proceedings. No.1871, 2016.

3. Gautam Chinta and Omer Offen. "Orthogonal Period of a $GL_3(\mathbb{Z})$ Eisenstein Series". *Representation theory, complex analysis and integral geometry*, 41–59, Birkhuser/Springer, New York, 2012.

4. Omer Offen. Unitary Periods and Jacquet's relative trace formula. Automorphic forms and L-functions, Global Aspects Proceedings of a workshop in honor of Steve Gelbart on the occasion of his 60th birthday, *Contemporary Mathematics* 488, 183–236 AMS, 2009.