February 28, 2024

Curriculum Vitae – Emanuel Milman

Date and place of birth: January 12, 1977, Israel.
Marital Status: Married + 3.
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          Phone: +972-4-8294196, E-Mail: emilman@tx.technion.ac.il.

Academic Degrees:
2007 - Ph.D., Pure Mathematics, The Weizmann Institute of Science.
          Supervisor: Prof. Gideon Schechtman.
          Thesis: *On the Distribution of Volume in Convex Bodies*.
2000 - M.Sc. Summa Cum Laude (GPA 99), Pure Mathematics, Tel-Aviv University.
          Supervisor: Prof. Ehud Lehrer.
          Thesis: *Uniform Properties of Stochastic Games and Approachability*.
1996 - B.Sc. Summa Cum Laude (GPA 98), Mathematics and Computer Science, Tel-Aviv University.

Academic Appointments:
7/2021-7/2022 – J. T. Oden Faculty Fellow, University of Texas at Austin.
  11-12/2017 – Research Professor, MSRI (special program on "Geometric Functional Analysis and
                  Applications").
      2017 – Tenured Professor, Department of Mathematics, Technion - I.I.T., Haifa.
      2012 – Tenured Associate Professor, Department of Mathematics, Technion - I.I.T., Haifa.
      2010 – Senior Lecturer, Department of Mathematics, Technion - I.I.T., Haifa.
2009 - 2010 – Post-Doctoral Fellow, Department of Mathematics and Fields Institute, University of
                  Toronto.
2007 - 2009 – Post-Doctoral Member, School of Mathematics, Institute for Advanced Study,
                   Princeton.

Professional Experience:
2003-2007 – ioIMAGE (20% employment): Head of Special Projects.
          Invented and analyzed algorithms used by Intelligent Video Appliances.
2001-2003 – ioIMAGE: Head of Algorithms Team.
          Created company's Video Threat Detection Core-Technology. Invented and implemented numerous
          image-processing, statistical-analysis and learning algorithms.
1995-2000 – Military Service (mandatory): Senior Academic Officer in the Intelligence Corp.

Research Interests:
Isoperimetric, functional and concentration inequalities on weighted Riemannian manifolds and metric-measure spaces, Bakry-Émery and Lott-Sturm-Villani Curvature-Dimension condition, generalized Ricci Curvature, geometry of isoperimetric minimizers, isoperimetric multi-bubbles, affine-invariant isoperimetric problems, L^p Brunn-Minkowski theory, Convex Geometry, Optimal-Transport, Localization, Spectral Geometry, diffusion semi-groups and heat-kernels, convexity of solutions to elliptic and parabolic PDE, concentration-of-measure phenomena in high dimension, Asymptotic Convex and Geometric Analysis, distribution of volume in convex bodies, "local theory" of Banach Spaces.

Teaching Experience:

Undergraduate Courses:

    Calculus, Probability, Real Analysis, Complex Functions, Introduction to Functional Analysis, Functional Analysis.

Graduate Courses:

    "Isoperimetric Inequalities, Concentration of Measure Phenomenon, Convexity, and their Applications", *"Convex Bodies in High Dimension"*, *"Isoperimetry, Sobolev and Concentration inequalities through the lens of Convexity"*, *"High-Dimensional Convex Geometric Analysis"*.

Fields Institute - semester long course on *"Isoperimetric Inequalities with applications to Asymptotic Geometric Analysis"* (organizer and lecturer).

Paris-Est – short-course on *"Isoperimetric Inequalities: Methods and Applications"*.

SMS, Montreal – mini-course on *"Isoperimetric and Concentration Inequalities"*.

HIM, Bonn - mini-course on *"1-D Localization"*.

Departmental Activities at Technion's Mathematics Department:

2011-14 – member of Graduate Studies and Computing Committees.

2012-14 – co-organizer of Departmental Colloquium.

2014-2017 – member of Graduate Studies and Recruitment Committees.

2017-2021 – member of the Applicants, Recruitment and Preparatory Committees.

2022-present - member of the Applicants, Recruitment, CMS, Netanyahu Prize and Preparatory Committees.

Public Professional Activities:

2023 - present – member of editorial board of ***Ars Inveniendi Analytica***.

2016 - present – member of editorial board of ***Journal of Functional Analysis***.

2016 – offered to join **BIRS Scientific Advisory Board**; postponed.

2021-22 – co-editor of Springer's Lecture Notes in Mathematics volume 2327 entitled "***Geometric Aspects of Functional Analysis - Israel Seminar (GAFA) 2020-2022***".

2018-20 – co-editor of Springer's Lecture Notes in Mathematics volumes 2256 and 2266 entitled "***Geometric Aspects of Functional Analysis - Israel Seminar (GAFA) 2017-2019* (Volumes I,II)***".

2015-16 – co-editor of Springer's Lecture Notes in Mathematics volume 2169 entitled "***Geometric Aspects of Functional Analysis - Israel Seminar (GAFA) 2014-2016***".

2013-14 – co-editor of Springer's Lecture Notes in Mathematics volume 2116 entitled "***Geometric Aspects of Functional Analysis - Israel Seminar (GAFA) 2011-2013***".

2010-11 – co-editor of volume 545 of the AMS's ***Contemporary Mathematics*** journal, dedicated to *"Concentration, Functional Inequalities, and Isoperimetry"*.

2005-present – **selected refereeing**:

    Journals: Acta Math, Adv. Math, Amer. J. Math, Annals Prob., Annals Math, Compositio Math, CPAM, Crelle's Journal, Duke Math. J., GAFA, Forum of Math. Pi, Geometry and Topology, IMRN, Inventiones, J Diff. Geom., JAMS, JEMS, J. Math. Pures Appl., Math. of Operations Research, Math. Annalen, Memoirs of the AMS, Prob. Theory and Related Fields.

    Grants/Awards: BSF, ERC, OTKA, REWIRE, Erdős Prize in Mathematics (Chair).

Awards and Honors:

2024 – Frontiers of Science Award in Mathematics awarded by International Congress of Basic Science.

2021 – Yitzhak Modai Academic Chair at the Technion.

2021 – Morton and Beverley Rechler Prize for Excellence in Research awarded by the Technion.

2016 – Anna and Lajos Erdős Prize in Mathematics awarded by the Israeli Mathematical Union.

2013 – Cooper Award for Academic Excellence awarded by the Technion.

2011 – Bergmann Memorial Research Award of the Bi-national Science Foundation.
2010-2012 – Landau Fellowship of the Taub Foundation.
2010-2013 – Allon Fellowship of the Israeli Council for Higher Education.
2007 – Fulbright Post-Doctoral Scholar Award (declined).
2007 – The Gad Resheff Memorial Prize.
2007 – The Dr. Otto Schwarz Graduate Scholarship Fund Award.
During Military Service:
     Served as "IDF Outstanding Student".
     Commendation for part in the Israel National Security Award.
During Studies:
     Dean and Rector's lists at Tel-Aviv University and the Weizmann Institute.
     Undergraduate 4-year Scholarship under "Program for Distinguished Students".
     Shie Bleiman Award for High-School's final project in technology.

Supervision:
2013-2014 - Laurent Veysseire, Post-Doc.
2015-2016 - Nikos Dafnis, Post-Doc.
 1-9/2017 - Piotr Nayar, Post-Doc.
2017-2018 - Mayukh Mukherjee, Post-Doc.
2018-2020 - Bangxian Han, Post-Doc.
2014-2019 - Eran Calderon, Ph.D. Student.
2018-2020 - Yuval Yifrach, M.Sc. Student.
2022-2023 - Marina Prohorova, Post-Doc.
2023-2024 - Botong Xu, Pierre Bizeul, Davide Manini, Post-Docs.

Grants:
2010-2013 – Israel Science Foundation (***ISF***): "Generic Chaining in Asymptotic Geometric Analysis" (joint with Shahar Mendelson), ~238,000 USD.
2011 – German-Israeli Foundation's (***GIF***) Young Scientist Program: "Isoperimetric Inequalities via Contracting Maps", 33,500 Euros.
2011-2014 – Bi-national Science Foundation (***BSF***): "The Hierarchy of Mass Concentration on Convex Bodies" (joint with Grigoris Paouris), 81,000 USD.
2012 – Israel Science Foundation (***ISF***) Workshop Grant "Interactions between Asymptotic Geometric Analysis and Mathematical Physics" (joint with Shahar Mendelson), ~17,000 USD.
2012-2016 – European Commission's FP7 Career Integration Grant (***CIG***): "Isoperimetric and Concentration Inequalities in High-Dimensional Convex Spaces", 100,000 Euros.
2015-2021 – European Research Commission's Starting Grant (***ERC-STG***): "High-Dimensional Convexity, Isoperimetry and Concentration via a Riemannian Vantage Point", 1,194,000 Euros.
2022-2027 – European Research Commission's Consolidator Grant (***ERC-COG***): "Sharp Isoperimetric Inequalities — Old and New", 1,745,000 Euros.

Publications[1]:
Refereed Journal Papers (published):
1. E. Milman, "The semi-algebraic theory of stochastic games", ***Math. Oper. Res.*** 27, 401-418, 2002.
2. E. Milman, "Approachable sets of vector payoffs in stochastic games", ***Games Econ. Behav.*** 56, 135-147, 2006.
3. E. Milman, "Dual mixed volumes and the Slicing Problem", ***Adv. Math***. 207 (2), 566-598, 2006.

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4. E. Milman, "Generalized Intersection Bodies", *J. Func. Anal.* 240 (2), 530-567, 2006.

5. E. Milman, "A comment on the low-dimensional Busemann-Petty problem", Lecture Notes in Math. 1910, *GAFA Seminar Notes 2004-5*, 245-253, 2007.

6. E. Milman, "A remark on two duality relations", *Integr. Equ. Oper. Theory* 57 (2), 217-228, 2007.

7. B. Klartag and E. Milman, "On volume distribution in 2-convex bodies", *Israel J. Math.* 164, 221-249, 2008.

8. E. Milman and S. Sodin, "An isoperimetric inequality for uniformly log-concave measures and uniformly convex bodies", *J. Func. Anal.* 254 (5), 1235-1268, 2008.

9. E. Milman, "Generalized Intersection Bodies are not equivalent", *Adv. Math.* 217 (6), 2822-2840, 2008.

10. E. Milman, "Uniform tail-decay of Lipschitz functions implies a linear isoperimetric inequality under convexity assumptions", *C. R. Math. Acad. Sci. Paris* 346, 989-994, 2008.

11. E. Milman, "On Gaussian marginals of uniformly convex bodies", *J. Theor. Probab.* 22 (1), 256-278, 2009.

12. E. Milman, "On the role of convexity in isoperimetry, spectral-gap and concentration", *Invent. Math.* 177 (1), 1-43, 2009.

13. E. Milman, "On the role of convexity in functional and isoperimetric inequalities", *Proc. London Math. Soc.* 99 (3), 32-66, 2009.

14. E. Milman, "Concentration and isoperimetry are equivalent assuming curvature lower bound", *C. R. Math. Acad. Sci. Paris* 347, 73-76, 2009.

15. E. Milman, "Isoperimetric and concentration inequalities - equivalence under curvature lower bound", *Duke Math. J.* 154 (2), 207-239, 2010.

16. E. Milman, "Isoperimetric bounds on convex manifolds", Concentration, Functional Inequalities and Isoperimetry, *Contemp. Math.* 545, Amer. Math. Soc., 195-208, 2011.

17. O. Guédon and E. Milman, "Interpolating thin-shell and sharp large-deviation estimates for isotropic log-concave measures", *Geom. Funct. Anal. (GAFA)* 21 (5), 1043-1068, 2011.

18. B. Klartag and E. Milman, "Centroid Bodies and the logarithmic Laplace Transform – a Unified Approach", *J. Func. Anal.* 262 (1), 10-34, 2012.

19. E. Milman, "Properties of isoperimetric, functional and transport-entropy inequalities via concentration", 29 pages, *Prob. Theor. Rel. Fields* 152, 475–507, 2012.

20. Y.-H. Kim and E. Milman, "A generalization of Caffarelli's contraction theorem via (reverse) heat flow", *Math. Annal.* 354 (3), 827-862, 2012.

21. B. Klartag and E. Milman, "Inner Regularization of Log-Concave Measures and Small-Ball Estimates", Lecture Notes in Math. 2050, *GAFA Seminar Notes* 2006–2010, 267-278, 2012.

22. E. Milman, "Model Spaces for Sharp Isoperimetric Inequalities", *C. R. Math. Acad. Sci. Paris* 350, 897-902, 2012.

23. F. Barthe and E. Milman, "Transference Principles for Log-Sobolev and Spectral-Gap with Applications to Conservative Spin Systems", *Comm. Math. Physics* 323, 575-625, 2013.

24. E. Milman and L. Rotem, "Complemented Brunn-Minkowski Inequalities and Isoperimetry for Homogeneous and Non-Homogeneous Measures", *Adv. Math.* 262, 867-908, 2014.

25. A. Giannopoulos and E. Milman, "M-estimates for isotropic convex bodies and their Lq-centroid bodies", Lecture Notes in Math. 2116, *GAFA Seminar Notes* 2011–2013, 159-182, 2014.

26. A. Kolesnikov and E. Milman, "Remarks on the KLS Conjecture and Hardy-Type Inequalities" Lecture Notes in Math. 2116, *GAFA Seminar Notes* 2011–2013, 159-182, 2014.

27. A. Kolesnikov and E. Milman, "Isoperimetric Inequalities on Weighted Manifolds with Boundary", *Doklady Akademii Nauk* 464 (2), 136–140, 2015 (in Russian).

28. E. Milman, "Sharp Isoperimetric Inequalities and Model Spaces for Curvature-Dimension-Diameter Condition", *J. Eur. Math. Soc.* 17 (5), 1041–1078, 2015.

29. E. Milman, "On the mean-width of isotropic convex bodies and their associated Lp-centroid bodies", ***Inter. Math. Res. Notices*** 11, 3408–3423, 2015.

30. A. Kolesnikov and E. Milman, "Riemannian metrics and Sobolev-type inequalities", ***Doklady Akademii Nauk*** 470 (2), 1-4, 2016 (in Russian).

31. E. Milman, "Beyond traditional Curvature-Dimension I: new model spaces for isoperimetric and concentration inequalities in negative dimension", ***Trans. Amer. Math. Soc.*** 369, 3605-3637, 2017.

32. E. Milman, "Harmonic Measures on the Sphere via Curvature-Dimension", ***Annales de la Faculté des Sciences de Toulouse*** 26 (2), 437-449, 2017.

33. A. Kolesnikov and E. Milman, "Sharp Poincaré-type inequality for the Gaussian measure on the boundary of convex sets", Lecture Notes in Math. 2169, ***GAFA Seminar Notes*** 2014–2016, 221-234, 2017.

34. A. Kolesnikov and E. Milman, "Brascamp–Lieb type inequalities on weighted Riemannian manifolds with boundary", ***J. Geom. Anal*** 27 (2), 1680-1702, 2017.

35. E. Milman, "Spectral Estimates, Contractions and Hypercontractivity", ***J. Spectral Theory*** 8 (2), 669–714, 2018.

36. A. Kolesnikov and E. Milman, "Riemannian metrics on convex sets with applications to Poincaré and log-Sobolev inequalities", 46 pages, ***Calc. Var. & PDE 55: 77, 2016***.

37. S. Mendelson, E. Milman and G. Paouris, "Generalized Sudakov via Dimension Reduction - A Program", ***Studia Math.*** 244, 159-202, 2019.

38. A. Kolesnikov and E. Milman, "Poincaré and Brunn–Minkowski inequalities on the boundary of weighted Riemannian manifolds", ***Amer. J. Math.*** 140 (5), 1147-1185, 2018.

39. A. Kolesnikov and E. Milman, "The KLS Isoperimetric Conjecture for Generalized Orlicz Balls", ***Ann. Prob.*** 46 (6), 3578–3615 , 2018.

40. A. Kolesnikov and E. Milman, "Local L^p Brunn-Minkowski inequalities for p<1", ***Mem. Amer. Math. Soc.*** 277 (1360), v+78 pp, 2022.

41. E. Milman, V. Milman and L. Rotem, "Reciprocals and Flowers in Convexity", 21 pages, Lecture Notes in Math. 2266, ***GAFA Seminar Notes*** 2017–2019, 199-227, 2020.

42. B. Han and E. Milman, "Sharp Poincaré Inequalities under Measure Contraction Property", ***Ann. Sc. Norm. Super. Pisa Cl. Sci.(5)*** XXII (3), 1401-1428, 2021.

43. E. Milman, "The Quasi Curvature-Dimension Condition with applications to sub-Riemannian manifolds", ***Comm. Pure Appl. Math. (CPAM)*** 74 (12) 2628-2674, 2021.

44. E. Milman and Y. Yifrach, "Regular Random Sections of Convex Bodies and the Random Quotient-of-Subspace Theorem", ***J. Func. Anal.*** 281 (7) 109133, 2021.

45. E. Milman, "Reverse Holder inequalities for log-Lipschitz functions", ***Pure Appl. Funct. Anal.*** 8 (1), 297-310, 2023, special issue dedicated to Louis Nirenberg.

46. F. Cavalletti and E. Milman, "The globalization theorem for the Curvature-Dimension condition", ***Invent. Math.*** 226, 1–137, 2021 (recipient of **Frontiers of Science Award, 2024**).

47. E. Milman and J. Neeman, "The Gaussian Double-Bubble and Multi-Bubble Conjectures", ***Annals of Math***. 195, 89-206, 2022.

48. E. Milman and A. Yehudayoff, "Sharp Isoperimetric Inequalities for Affine Quermassintegrals", 43 pages, ***J. Amer. Math. Soc. (JAMS)*** 36 (4), 1061-1101, 2023.

49. E. Milman, "A sharp centro-affine isospectral inequality of Szegö–Weinberger type and the L^p-Minkowski problem", 32 pages, to appear in ***J. Differ. Geom.***

50. E. Milman, "Centro-affine differential geometry and the log-Minkowski problem", 63 pages, ***J. Eur. Math. Soc.*** DOI 10.4171/JEMS/1386

51. M. N. Ivaki and E. Milman, "Uniqueness of solutions to a class of isotropic curvature problems", 11 pages, ***Adv. Math.*** Vol 45 (Part A), 109350.

52. M. N. Ivaki and E. Milman, "Lp-Minkowski problem under curvature pinching", 18 pages, to appear in ***Inter. Math. Res. Notices***.

53. E. Milman and J. Neeman, "The structure of isoperimetric bubbles in R^n and S^n", 88 pages, to appear in **Acta Math.**

In Collection (Review paper with additional original results):
54. E. Milman, "A converse to the Maz'ya inequality for capacities under curvature lower Bound", ***Springer's International Mathematical Series*** Vol. 11, ***Around the Research of Vladimir Maz'ya*** I. Function Spaces, 321-348, 2010.

Refereed papers in Conference Proceedings:
55. E. Milman, "A proof of Bobkov's Spectral Bound for Convex Domains via Gaussian Fitting and Free Energy Estimation", Centre de Recherches Mathématiques, ***CRM Proceedings and Lecture Notes***, Vol. 56, 181-196, 2013.

Refereed Journal Papers (submitted):
56. E. Milman and J. Neeman, "Plateau bubbles and the Quintuple Bubble Theorem on S^n", 81 pages.

Talks:
Plenary and Invited Talks in Conferences:
- July 2023, Conference on "Nonlinear Analysis and its Applications in Geometry", Beijing (virtual).
- June 2023, BIRS-IMAG Workshop on "Geometric Inequalities, Convexity and Probability", Granada.
- May 2023, Conference "61 Probability Encounters, in honor of Sergey Bobkov", Toulouse.
- Mar 2023, 1st Gordon Workshop, Hebrew University.
- Oct 2022, Workshop on "Heat Kernels, Stochastic Processes and Functional Inequalities", Oberwolfach.
- Aug 2022, Conference on "New Trends in Dirichlet Forms and Optimal Transport", Bonn.
- Jun 2022, Conference on "Isoperimetric Problems", Pisa (virtual).
- May 2022, Lecture series in workshop on "Convexity and High-Dimensional Probability", Georgia Tech.
- May 2022, Workshop on "Integral and Metric Geometry", BIRS (virtual).
- Feb 2022, Workshop on "Calculus of Variations in Probability and Geometry", IPAM (virtual).
- Dec 2021, Workshop on "Convex Geometry and its Applications", Oberwolfach (virtual).
- Oct 2021, IASM-BIRS workshop on "Interaction Between PDEs and Convex Geometry", Hangzhou (virtual).
- Jun 2021, Conference on "Calculus of Variations and PDEs: recent developments and future directions", ETH Zurich (virtual).
- Mar 2021, Workshop on "High dimensional measures: geometric and probabilistic aspects", Hausdorff Institute (virtual).
- Oct 2020, Workshop on "Concentration of Measure Phenomena", Simons Institute, Berkeley (virtual).
- Nov 2019, Workshop on "Heat Kernels, Stochastic Processes and Functional Inequalities", Oberwolfach.
- Aug 2019, Conference on "Asymptotic Geometric Analysis 2019", Tel-Aviv University and Dead Sea.
- Jun 2019, Workshop on "Geometric Aspects of Harmonic Analysis and Spectral Theory", Technion.
- May 2019, Workshop on "Geometric and Functional inequalities in Convexity and Probability", Firenze.
- Mar 2019, Workshop on "Optimal Transport and Applications", Toulouse.
- Dec 2018, Workshop on "Convex Geometry and its Applications", Oberwolfach.
- Jan 2018, Conference on "Hardy-type Inequalities and Elliptic PDEs", Sde Boker.
- Sep 2017, Plenary Talk, Workshop on "Convex and Integral Geometry 2017", Frankfurt,.
- Sep 2017, Plenary Talk, Workshop on "Metric Measure Spaces and Ricci Curvature", MPI Bonn.

- Oct 2016, Plenary Talk, Workshop on "Analytic Aspects of Convexity", Rome.
- Sep 2016, Plenary Talk, "Barcelona Analysis Conference 2016".
- Jun 2016, Erdos Prize talk, Israeli Mathematical Union annual meeting, Dead Sea.
- May 2016, Joram Memorial Seminar on "Ricci Flow and Geometrization", Hebrew University.
- Feb 2016, Workshop on "Asymptotic Geometric Analysis", Oberwolfach.
- Nov 2015, Conference on "Analytic and Probabilistic Techniques in Modern Convex Geometry", Missouri.
- Oct 2015, Conference on "Convexity, Probability and Discrete Structures, a Geometric Viewpoint", Paris-Est.
- Apr 2015, Workshop on "Information Theory and Concentration Phenomena", IMA, Minneapolis.
- Feb 2015, Mini-Course, Workshop on "New developments in Optimal Transport, Geometry and Analysis", HIM, Bonn.
- Dec 2014, Conference in Honour of the 60th Birthday of Dominique Bakry, Toulouse.
- Sep 2014, Workshop on "Geometry and Probability", Kyoto.
- Jun 2014, Worskhop on "Isoperimetric problems between Analysis and Geometry", Pisa.
- Apr 2014, Workshop on "Functional Inequalities", Toulouse.
- June 2013, Israeli Mathematical Union annual meeting, Haifa University.
- May 2013, Conference on "Banach Spaces: Geometry and Analysis", Hebrew University.
- May 2013, Conference on "Complex Analysis and Dynamical Systems VI", Naharyia.
- May 2013, Workshop on "Heat Kernels, Stochastic Processes and Functional Inequalities", Oberwolfach.
- Dec 2012, Plenary Talk, Workshop on "Convex Geometry and its Applications", Oberwolfach.
- Nov 2012, ERC Workshop on "Optimal Transport and Applications", Pisa.
- Sep 2012, Conference on "Convex Geometric Analysis", Heraklion.
- Jun 2012, Conference on "Phenomena in high dimensions in geometric analysis, random matrices, and computational geometry", Roscoff.
- May 2012, Conference on "Interactions between Asymptotic Geometric Analysis and Mathematical Physics", Eilat and Technion.
- Jan 2012, Plenary Talk, "Concentration inequalities and their applications", CIRM, Luminy.
- Aug 2011, Plenary Talk, "Introductory workshop on quantitative geometry", MSRI (did not attend due to personal reasons).
- Jul 2011, Mini-Course in Séminaire de Mathématiques Supérieures 2011 on "Metric Measure Spaces: Geometric and Analytic Aspects", Montreal.
- Apr 2011, Conference on "Asymptotic Geometric Analysis and Convexity", Israel.
- Jan 2011, Plenary Talk / Short Course in workshop on "Functional Inequalities and Discrete Spaces", Université Paris-Est.
- Nov 2010, Workshop on "Optimal Transport and Geometric Probability", Fields Institute.
- Sep 2010, Plenary Talk, Workshop on "Asymptotic Geometric Analysis", Fields Institute.
- Sep 2010, SAGE Workshop on "Optimal Transport and Riemannian Geometry", UT Austin.
- Aug 2010, Plenary Talk, Conference on "Perspectives in High Dimensions", CWRU, Cleveland.
- Jul 2010, Conference on "Asymptotic Geometric Analysis", EIMI, St. Petersburg.
- Mar 2010, Workshop on "Volume Inequalities", Banff.
- Jun 2009, Conference on "State of Geometry and Functional Analysis", Tel-Aviv University.
- Jun 2008, Fourth annual conference on "Phenomena in High Dimensions", Sevilla.
- May 2008, Fifth Conference on "Probability in High Dimensions", CIRM, Luminy.
- Mar 2008, Plenary Talk, Conference on "Asymptotic Convex Geometry", University of Missouri.
- Nov 2007, Workshop on "Algorithmic Convex Geometry", AIM, Palo-Alto.
- Sep 2007, Workshop on "Geometrization of Probability", Fields Institute, Ottawa.
- Aug 2007, Workshop on "Fourier Analytic Methods in Convex Geometry", AIM, Palo-Alto.

- Jun 2007, Third annual conference on "Phenomena in High Dimensions", Samos.
- Jun 2007, Workshop on "Convex Geometry - Analytic aspects", Cortona.
- May 2007, Israel Mathematical Union annual meeting, Ben-Gurion University.
- Sep 2006, Workshop on "Convexity and Probability", Freudenstadt.
- Jun 2006, Second annual conference on "Phenomena in High Dimensions", IHP, Paris.
- Jul 2005, First annual conference on "Phenomena in High Dimensions", TU Vienna.

Colloquium talks:
- Jan 2023, Ben-Gurion University.
- Jan 2023, Bar-Ilan University.
- Nov 2022, Tel-Aviv University.
- Apr 2022, University of Minnesota.
- Apr 2022, Case Western University.
- Apr 2017, Haifa Univesity.
- Nov 2015, Tel-Aviv University.
- May 2015, Ben-Gurion University.
- May 2015, Hebrew University.
- May 2011, Ben-Gurion University.
- May 2011, Tel-Aviv University.
- Apr 2009, Lehigh University.
- Dec 2008, Polytechnic Institute of NYU.
- Jun 2008, Technion - I.I.T.
- May 2008, Case Western University.
- Nov 2008, Polytechnic University of NY.

Other:
Many further invitations to give seminars both in Israel and abroad, including IAS, IPAM, Isaac Newton Institute, Hausdorff Institute of Mathematics, IMPAN, Max Planck Institut, MIT, MSRI, NYU, Purdue, Stanford, USTC.

Conferences Organized:
2017 – co-organizer of MSRI workshop on "Geometric functional analysis and applications".
2017 – co-organizer of Analysis session at the Israeli Mathematical Union meeting.
2012 – co-organizer of ISF workshop and international conference on "*Interactions between Asymptotic Geometric Analysis and Mathematical Physics*", Technion and Eilat.
2009 – co-organizer of international conference on "*Concentration, Functional Inequalities, and Isoperimetry*" in Florida, including a Special Session of the AMS 2009 Fall Southeastern Meeting with same title.