Curriculum Vitae

Apostolos Giannopoulos

April 2023

Address

School of Applied Mathematical and Physical Sciences
National Technical University of Athens
Department of Mathematics
Zografou Campus, GR-157 80, Athens, Greece
e-mail: apgiannop@math.ntua.gr
https://sites.google.com/view/apgiannop

Personal data

Date of birth: July 11, 1963
Place of birth: Tripolis, Greece
Citizenship: Greek
Military service: September 1989 - March 1991
Marital status: Married, with two children

Research interests

Convex Geometric Analysis.
Functional Analysis: local theory of Banach spaces.
Probabilistic methods, concentration of measure.

Education

1993, June: PhD in Mathematics, University of Crete, Greece.
1988, July: MSc in Mathematics, University of Crete, Greece.
1986, April: BSc in Mathematics, University of Athens, Greece.

PhD Thesis

Problems on Convex Bodies, June 1993, University of Crete, Greece.
Thesis advisor: Professor S. Papadopoulou.

Professional appointments

03/2023-now : Professor, Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece.

06/2009-02/2023: Professor, Department of Mathematics, National and Kapodistrian University of Athens, Greece.

10/2004-06/2009: Associate Professor, National and Kapodistrian Department of Mathematics, University of Athens, Greece.

12/2002-10/04: Associate Professor, Department of Mathematics, University of Crete, Greece.

01/1998-12/02: Assistant Professor, Department of Mathematics, University of Crete, Greece.

09/1997-01/98: Visiting Assistant Professor, Department of Mathematics, University of Crete, Greece.

1996-97: Visiting Assistant Professor, Department of Mathematics, Oklahoma State University, Stillwater, Oklahoma.

1995-96: Mathematical Sciences Research Institute, General Member, Program on Convex Geometry (second term), Berkeley, California.

1995-96: Member of the School of Mathematics (first term), Institute for Advanced Study, Princeton, New Jersey.

1994-95: Visiting Assistant Professor, Department of Mathematics, University of Crete, Greece.

1993-94: Visiting Assistant Professor, Case Western Reserve University, Cleveland, Ohio.

Research Monographs

1. *Geometry of isotropic convex bodies*, with S. Brazitikos, P. Valettas and B-H. Vritsiou, Mathematical Surveys and Monographs **196**, Amer. Math. Society (2014).

2. *Asymptotic Geometric Analysis, Part I*, with S. Artstein-Avidan and V. D. Milman, Mathematical Surveys and Monographs **202**, Amer. Math. Society (2015).

3. *Asymptotic Geometric Analysis, Part II*, with S. Artstein-Avidan and V. D. Milman, Mathematical Surveys and Monographs **261**, Amer. Math. Society (2021).

Research Publications

1. *A note on a problem of H. Busemann and C. M. Petty concerning sections of symmetric convex bodies*, Mathematika **37** (1990), 239–244.

2. *On the mean value of the area of a random polygon in a plane convex body*, Mathematika **39** (1992), 279–290.

3. *A note on the Banach–Mazur distance to the cube*, Geometric Aspects of Functional Analysis (Lindenstrauss–Milman eds), Operator Theory: Advances and Applications, Vol. 77 (1995), 67–73.

4. *A proportional Dvoretzky–Rogers factorization result*, Proceedings of the American Mathematical Society **124** (1996), 233–241.

5. *Low M^*–estimates on coordinate subspaces*, with V. D. Milman, Journal of Functional Analysis **147** (1997), 457–484.

6. *On some vector balancing problems*, Studia Mathematica **122** (1997), 225–234.

7. *On the diameter of proportional sections of a symmetric convex body*, with V. D. Milman, International Mathematics Research Notices (1997) **1**, 5–19.

8. *How small can the intersection of a few rotations of a symmetric convex body be?*, with V. D. Milman, Comptes Rendus Mathematique **325** (1997), 389–394.

9. *Mean width and diameter of proportional sections of a symmetric convex body*, with V. D. Milman, Journal für die reine und angewandte Mathematik **497** (1998), 113–139.

10. *p-Cross-section bodies*, with R. J. Gardner, Indiana University Mathematics Journal **48** (1999), 593–614.

11. *Isotropic surface area measures*, with M. Papadimitrakis, Mathematika **46** (1999), 1–13.

12. *Extremal problems and isotropic positions of convex bodies*, with V. D. Milman, Israel Journal of Mathematics **117** (2000), 29–60.

13. *Convex bodies with minimal mean width*, with V. D. Milman and M. Rudelson, Geometric Aspects of Functional Analysis (Milman-Schechtman eds.), Lecture Notes in Mathematics **1745** (2000), 81–93.

14. *Concentration property on probability spaces*, with V. D. Milman, Advances in Mathematics **156** (2000), 77–106.

15. *John's theorem for an arbitrary pair of convex bodies*, with I. Perissinaki and A. Tsolomitis, Geometriae Dedicata **84** (2001), 63–79.

16. *Euclidean structure in finite dimensional normed spaces*, with V. D. Milman, Handbook of the Geometry of Banach spaces, W. B. Johnson, J. Lindenstrauss eds., Elsevier Science, Vol. 1 (2001), 707–779.

17. *On a local version of the Aleksandrov-Fenchel inequalities for the quermassintegrals of a convex body*, with M. Hartzoulaki and G. Paouris, Proceedings of the American Mathematical Society **130** (2002), 2403–2412.

18. *Random spaces generated by vertices of the cube*, with M. Hartzoulaki, Discrete and Computational Geometry **28** (2002), 255–273.

19. *On the volume ratio of two convex bodies*, with M. Hartzoulaki, Bulletin of the London Mathematical Society **34** (2002), 703–707.

20. *Volume radius of a random polytope in a convex body*, with A. Tsolomitis, Mathematical Proceedings of the Cambridge Philosophical Society **134** (2003), 13–21.

21. *Some inequalities about mixed volumes*, with M. Fradelizi and M. Meyer, Israel Journal of Mathematics **135** (2003), 157–179.

22. *Asymptotic Convex Geometry: a short overview*, with V. D. Milman, "Different faces of geometry" (M. Gromov, S.K. Donaldson, Y. Eliashberg eds.), International Mathematical Series, Vol. 3, Kluwer, New York (2004), 87–162.

23. *Asymptotic formulas for the diameter of sections of symmetric convex bodies*, with V. D. Milman and A. Tsolomitis, Journal of Functional Analysis **223** (2005), 86–108.

24. *Lower bound for the maximal number of facets of a 0/1 polytope*, with D. Gatzouras and N. Markoulakis, Discrete and Computational Geometry **34** (2005), 331–349.

25. *Random points in isotropic unconditional convex bodies*, with M. Hartzoulaki and A. Tsolomitis, Journal of the London Mathematical Society **72** (2005), 779–798.

26. *A large deviations approach to the geometry of random polytopes*, with D. Gatzouras, Mathematika **53** (2006), 173–211.

27. *On the maximal number of facets of 0/1 polytopes*, with D. Gatzouras and N. Markoulakis, Geometric Aspects of Functional Analysis (Milman-Schechtman eds.), Lecture Notes in Mathematics **1910** (2007), 117–125.

28. *A note on subgaussian estimates for linear functionals on convex bodies*, with A. Pajor and G. Paouris, Proceedings of the American Mathematical Society **135** (2007), 2599–2606.

29. *Threshold for the volume spanned by random points with independent coordinates*, with D. Gatzouras, Israel Journal of Mathematics **169** (2009), 125–153.

30. *Asymptotic shape of a random polytope in a convex body*, with N. Dafnis and A. Tsolomitis, Journal of Functional Analysis **257** (2009), 2820–2839.

31. *On the isotropic constant of random polytopes*, with N. Dafnis and O. Guédon, Advances in Geometry **10** (2010), 311–322.

32. *On the existence of subgaussian directions for log-concave measures*, with G. Paouris and P. Valettas, Contemporary Mathematics **545** (2011), 103–122.

33. *Ψ_α–estimates for marginals of log-concave probability measures* , with G. Paouris and P. Valettas, Proceedings of the American Mathematical Society **140** (2012), 1297–1308.

34. *On the distribution of the ψ_2-norm of linear functionals on isotropic convex bodies*, with G. Paouris and P. Valettas, Geometric Aspects of Functional Analysis (Klartag-Mendelson-Milman eds.), Lecture Notes in Mathematics **2050** (2012), 227–253.

35. *A remark on the slicing problem*, with G. Paouris and B-H. Vritsiou, Journal of Functional Analysis **262** (2012), 1062–1086.

36. *Quermaßintegrals and asymptotic shape of random polytopes in an isotropic convex body*, with N. Dafnis and A. Tsolomitis, Michigan Mathematical Journal **62** (2013), 59–79.

37. *The isotropic position and the reverse Santaló inequality*, with G. Paouris and B-H. Vritsiou, Israel Journal of Mathematics **203** (2014), 1-22.

38. *Geometry of the L_q-centroid bodies of an isotropic log-concave measure*, with P. Stavrakakis, A. Tsolomitis and B-H. Vritsiou, Transactions of the American Mathematical Society **367** (2015), 4569-4593.

39. *M-estimates for isotropic convex bodies and their L_q-centroid bodies*, with E. Milman, Geometric Aspects of Functional Analysis, Lecture Notes in Mathematics **2116** (2014), 159-182.

40. *Asymptotic shape of the convex hull of isotropic log-concave random vectors*, with L. Hioni and A. Tsolomitis, Advances in Applied Mathematics **75** (2016), 116-143.

41. *Remarks on an inequality of Rogers and Shephard*, with E. Markessinis and A. Tsolomitis, Proceedings of the American Mathematical Society **144** (2016), 763-773.

42. *Euclidean regularization in John's position*, with G. Chasapis, Indiana University Mathematics Journal **65** (2016), 1877-1890.

43. *Estimates for measures of lower dimensional sections of convex bodies*, with G. Chasapis and D-M. Liakopoulos, Advances in Mathematics **306** (2017), 880-904.

44. *Geometry of random sections of isotropic convex bodies*, with L. Hioni and A. Tsolomitis, Bulletin of the Hellenic Mathematical Society **60** (2016), 20-40.

45. *Variants of the Busemann-Petty problem and of the Shephard problem*, with A. Koldobsky, International Mathematics Research Notices (2017) No. 3, 921-943.

46. *Inequalities for the surface area of projections of convex bodies*, with A. Koldobsky and P. Valettas, Canadian Journal of Mathematics **70** (2018), 804-823.

47. *Uniform cover inequalities for the volume of coordinate sections and projections of convex bodies*, with S. Brazitikos and D-M. Liakopoulos, Advances in Geometry **18** (2018), 345-354.

48. *On the average volume of sections of convex bodies*, with S. Brazitikos, S. Dann and A. Koldobsky, Israel Journal of Mathematics **222** (2017), 921-947.

49. *Volume difference inequalities*, with A. Koldobsky, Transactions of the American Mathematical Society **370** (2018), 4351-4372.

50. *Norms of weighted sums of log-concave random vectors*, with G. Chasapis and N. Skarmogiannis, Communications in Contemporary Mathematics **22** (2020), no. 4, 1950036, 31 pp.

51. *Continuous version of the approximate geometric Brascamp-Lieb inequalities*, with S. Brazitikos, Journal of Geometric Analysis **32** (2022), no. 6, Paper No. 174.

52. *Inequalities for the Radon transform on convex sets*, with A. Koldobsky and A. Zvavitch, International Mathematics Research Notices (to appear).

53. *Half-space depth of log-concave probability measures*, with S. Brazitikos and M. Pafis, Preprint.

54. *Threshold for the expected measure of random polytopes*, with S. Brazitikos and M. Pafis, Mathematische Annalen (to appear).

55. *Inequalities for sections and projections of convex bodies*, with A. Koldobsky and A. Zvavitch, in "Harmonic Analysis and Convexity" (to appear).

56. *Notes on isotropic convex bodies*, Lecture Notes, Warsaw 2003.
(available at `http://users.uoa.gr/~apgiannop/`)

Short-term appointments and visits

1. University of Alberta, Edmonton, Canada (February-March 2020).
2. Tel Aviv University, Tel Aviv, Israel (October-December 2019).
3. University of Missouri, Columbia (Miller Scholar, January-February 2019).
4. Technische Universität Berlin, Germany (July 2016).
5. Tel Aviv University, Tel Aviv, Israel (January 1998, June 1998, January 1999, August 2001, December 2003, January 2006, September 2008, January 2011, August 2013, February 2017).
6. Université Pierre et Marie Curie, Paris VI, France (May 2007, September 2007).
7. University of Calgary, Calgary, Canada (November 2006).
8. Institut Henri Poincaré, Paris, France (June 2006).
9. Erwin Schrödinger Institute for Mathematical Physics, Vienna, Austria (April 1999, July 2005).
10. University of the Aegean, Karlovassi, Samos, Greece (June 2004).
11. University of Magdeburg, Magdeburg, Germany (January 2004).
12. Institute of Mathematics, Polish Academy of Sciences, Warszawa, Poland (September 2003).
13. Pacific Institute for the Mathematical Sciences, Vancouver, Canada (July 1999, July 2002).
14. Université de Marne la Vallée, Paris, France (January 1995, January 2001, January 2002).
15. Universidad de Zaragoza, Zaragoza, Spain (June 1999).
16. Institute for Advanced Study, Princeton, New Jersey (February 1997).

Supervision of students

PhD Students

1. Marianna Hartzoulaki: *Probabilistic methods in the theory of convex bodies* (graduated in March 2003).
2. Grigoris Paouris: *Inequalities for sections and projections of convex bodies* (graduated in January 2004).
3. Nikos Markoulakis: *Random polytopes* (graduated in November 2006).
4. Nikos Dafnis: *Probabilistic methods in asymptotic geometric analysis* (graduated in January 2010).
5. Petros Valettas: *Problems in Asymptotic Geometric Analysis* (graduated in May 2012).
6. Beatrice-Helen Vritsiou: *Geometry of isotropic log-concave measures* (graduated in June 2013).
7. Pantelis Stavrakakis: *Geometry of L_q-centroid bodies* (graduated in February 2014).
8. Eleftherios Markessinis: *Classical positions of convex bodies* (graduated in May 2015).
9. Labrini Hioni: *Probabilistic methods in convex geometric analysis* (graduated in June 2017).
10. Silouanos Brazitikos: *Geometric Functional Analysis and applications to Combinatorics* (graduated in November 2017).
11. Giorgos Chasapis: *Geometric problems in non-linear functional analysis* (graduated in September 2018).
12. Dimitris-Marios Liakopoulos: *Functional inequalities and applications to convex and stochastic geometry* (graduated in June 2019).
13. Nikolaos Skarmogiannis: *Problems in Geometric Functional Analysis* (graduated in October 2020).
14. Minas Pafis (November 2020 - present).

MSc Theses

1. Sotiris Armeniakos, *Bourgain's slicing problem and Kannan-Lovász-Simonovits isoperimetry up to polylog*, April 2023.
2. Natalia Tziotziou, *Hadwiger's covering problem*, March 2023.
3. Elisavet Dimoula, *Improved Hölder and inverse Hölder inequalities for Gaussian random vectors*, September 2022.
4. Christos Falaras, *Quantitative versions of Roth's theorem on arithmetic progressions*, September 2021.
5. Alexandros Vlandos, *Ergodic theory of actions on locally compact groups*, July 2021.
6. Despina Stamataki, *Borsuk-Ulam theorem and applications to combinatorics, geometry and analysis*, June 2021.
7. Vassiliki Balidou, *Fourier multipliers and Littlewood-Paley theory*, June 2021.
8. Panagiotis Gasparis, *Banach spaces of continuous functions*, May 2021.
9. Constantinos Patsalos, *Approaches to the hyperplane conjecture on the volume of sections of convex bodies*, March 2021.
10. George Maraggelis, *Consistency of the generalized continuum hypothesis with the ZFC axioms*, (co-advisor: C. Dimitrakopoulos), March 2021.

11. Argiro Karimali, *Unital quantum channels, majorization and Nielsen's theorem*, (co-advisor: M. Anoussis), March 2021.
12. Minas Pafis, *Entropy, hypercontractivity and Talagrand's inequalities*, October 2020.
13. Konstantinos Tsinas, *Ergodic structure theorems and applications to multiplicative functions*, (co-advisors: N. Frantzikinakis and D. Gatzouras) September 2019.
14. Alexandros Iliopoulos, *Topics in Additive Number Theory*, September 2019.
15. Ioannis Smyth, *Random Fourier Series*, June 2019.
16. George Papadakis, *Ricci curvature of Markov chains in metric spaces*, January 2019.
17. Athanasios Zacharopoulos, *Geometric analysis of Sobolev inequalities*, November 2018.
18. Panagiota Chatziantoni, *Rearrangement inequalities and applications to convex geometric analysis*, October 2018.
19. Maria Mastrotheodorou, *Isoperimetric inequalities for the Gaussian measure*, January 2018.
20. Vasilis Sterios, *Type-cotype and the Maurey-Pisier theorem*, June 2017.
21. Pavlos Kalantzopoulos, *Logarithmic Brunn-Minkowski inequality and the logarithmic Minkowski problem*, June 2017.
22. Stelios Botsis, *Bourgain discretization theorem and quantitative differentiation*, June 2017.
23. Nikolaos Skarmogiannis, *Pointwise convergence of Fourier series: Carleson's theorem*, July 2016.
24. Nikolaos Panagiotakos, *High-dimensional maximal functions associated to convex bodies*, June 2016.
25. Alexandros Georgakopoulos, *The best constant in Grothendieck's inequality*, June 2016.
26. Konstantinos Stoumpos, *Spectral sparsification and the Kadison-Singer problem*, July 2015.
27. Tania Papanikolaou, *Optimal Transportation and Geometric Inequalities*, November 2014.
28. Dimitris-Marios Liakopoulos, *The Bernoulli conjecture*, July 2014.
29. George Chasapis, *The Ribe programme*, March 2014.
30. Silouanos Brazitikos, *Kannan-Lovász-Simonovits conjecture*, February 2014.
31. Labrini Hioni, *The central limit problem for log-concave measures*, February 2013.
32. Andreas Mitropoulos, *The approximation property and the basis problem in Banach spaces*, March 2012.
33. Beatrice-Helen Vritsiou, *Arithmetic progressions in the primes: the Green–Tao theorem*, October 2010.
34. Eleftherios Markessinis, *The Kadison–Singer problem and invertibility of large matrices*, September 2010.
35. Pantelis Stavrakakis, *Functional inequalities and concentration of measure*, June 2009.
36. Petros Valettas, *Isomorphic and almost isometric embeddings of subspaces of L_p into ℓ_r^n*, May 2009.
37. Tasos Tsesmetzis, *Embeddings of finite metric spaces*, April 2005.
38. Nikos Dafnis, *Majorizing measures*, October 2002.
39. Nikos Markoulakis, *Concentration of measure in product spaces*, September 2001.
40. George Tzibragos, *Mahler's conjecture and the reverse Santaló inequality*, September 2001.
41. Grigoris Paouris, *The hyperplane conjecture for convex bodies in $\mathbb{R}^n$*, April 1999.

42. Marianna Hartzoulaki, *The theorems of Dvoretzky and Krivine*, April 1999.

BSc Theses

1. Vassiliki Laina, *Roth's theorem on rational approximation of algebraic numbers*, June 2010.
2. Nikos Dafnis, *A conjecture of Komlos*, May 2000.
3. Dimitris Mitsotakis, *The diameter of the Banach-Mazur compactum*, May 2000.
4. Eleni Tzanaki, *Geometry of numbers*, April 2000.
5. Mariza Zymonopoulou, *Isoperimetric inequalities and concentration of measure*, April 1998.

Short-term supervision of other PhD students

In the framework of the Marie Curie Research Training Network "Phenomena in High Dimensions", the following PhD students visited the Department of Mathematics of the University of Athens and worked under my supervision for a period of three months each:

1. Guillaume Aubrun (University Paris VI, 2005).
2. Stefan Valdimarsson (University of Edinburgh, 2006).
3. David Alonso-Gutierrez (University of Zaragoza, 2007).
4. Omer Friedland (Tel-Aviv University, 2007).
5. Ronen Eldan (Tel-Aviv University, 2007).
6. Peter Pivovarov (University of Alberta, 2008).

Other PhD students who visited Athens for a period of one or two months:

1. Hugo Jimenez-Gomez (University of Sevilla, May-June 2010).
2. Pierre Youssef (Université Paris-Est, May-June 2012).

Teaching

National Technical University of Athens

2022-23: Harmonic Analysis, Complex Analysis.

National and Kapodistrian University of Athens

2022-23: Measure Theory, Introduction to Analysis II.

2021-22: Probability in High Dimensions (graduate), Real Analysis, Measure Theory, Analytic Number Theory, Harmonic Analysis.

2020-21: Analysis I (graduate), Fourier Analysis and Lebesgue Integral, Functional Analysis, Measure Theory, Introduction to Analysis II, Analysis I (Department of Physics).

2018-19: Analysis I (graduate), Fourier Analysis and Lebesgue Integral, Real Analysis, Analysis I (Department of Physics).

2017-18: Real Analysis, Fourier Analysis and Lebesgue Integral, Functional Analysis.

2016-17: Functional Analysis, Concentration of Measure (graduate), Historical Development of Calculus, Introduction to Analysis I, Analysis I (Department of Physics).

2015-16: Real Analysis, Fourier Analysis and Lebesgue Integral, Introduction to Analysis II.

2014-15: Real Analysis, Fourier Analysis and Lebesgue Integral, Introduction to Analysis II, Harmonic Analysis (graduate).

2013-14: Real Analysis, Fourier Analysis and Lebesgue Integral, Introduction to Analysis II, Asymptotic theory of convex bodies (graduate).

2012-13: Real Analysis, Fourier Analysis and Lebesgue Integral, Introduction to Analysis II.

2011-12: Real Analysis, Fourier Analysis and Lebesgue Integral, Introduction to Analysis II, Functional Inequalities and Concentration of Measure (graduate).

2010-11: Introduction to Analysis II (twice), Real Analysis, Fourier Analysis and Lebesgue Integral.

2009-10: Introduction to Analysis I, Convex Geometric Analysis, Real Analysis.

2008-09: Foundations of Mathematics, Introduction to Analysis I, Analysis II (graduate), Probability II, Real Analysis.

2007-08: Introduction to Analysis I and II, Analysis II (graduate).

2006-07: Introduction to Analysis I, Analysis II (graduate), Asymptotic Convex Geometry (graduate).

2005-06: Introduction to Analysis I and II, Measure Theory.

2004-05: Introduction to Analysis I and II, Convex Geometric Analysis.

University of Crete

2002-03: Measure Theory (graduate), Functional Analysis, Number Theory.

2001-02: Introduction to Analysis I and II, Real Analysis.

2000-01: Complex Analysis, Convex Analysis, Functional Analysis (graduate).

1999-00: Probability Theory, Functional Analysis.

1998-99: Measure Theory (graduate), Functional Analysis, Operator Theory.

1997-98: Introduction to Analysis I and II.

Oklahoma State University

1996-97: Calculus of several variables (2 semesters).

University of Crete

1994-95: Calculus I, Functional Analysis (graduate).

Case Western Reserve University

1993-94: Calculus I and II (2 semesters), Complex Analysis.

Award for Excellence in Academic Teaching

(2018) "Vassilis Xanthopoulos - Stephanos Pnevmatikos" Award for Excellence in Academic Teaching. The award follows a three-year subject cycle (Sciences, Humanities and Art, Biomedical Sciences) and is given by the Foundation for Research and Technology - Hellas (FORTH).

Lecture Notes

At the National Technical University of Athens:

Undergraduate: Harmonic Analysis.

At the National and Kapodistrian University of Athens:

Undergraduate: Introduction to Analysis I and II, Analysis I (Department of Physics), Real Analysis, Fourier Analysis and Lebesgue Integral, Functional Analysis, Harmonic Analysis, Convex Geometric Analysis, Analytic Number Theory, Historical Development of Calculus, Foundations of Mathematics.

Graduate: Concentration of Measure, Harmonic Analysis, Asymptotic Convex Geometry, Analysis I, Analysis II, Isotropic Convex Bodies.

At the University of Crete:

Functional Analysis I and II, Introduction to Analysis I, Operator theory (with G. Barbatis), Convex Analysis (with S. Papadopoulou), Real Analysis (with I. Deliyanni), Number Theory.

Translations

I have translated in Greek the books:

Calculus, by M. Spivak
Vector Calculus, by J. Marsden and A. Tromba
A first course in Modern Algebra, by J. Fraleigh
Introduction to Probability Theory, by P. G. Hoel, S. C. Port and C. J. Stone
Complex Analysis, by J. Bak and D. J. Newman.
Proofs from the Book, by M. Aigner and G. M. Ziegler.

Grants

1. Scientist in Charge of the ELIDEK programme "Geometric Functional Analysis and Applications", Hellenic Foundation for Research and Innovation (2020-23).

2. Scientist in Charge of the ARISTEIA II programme "Asymptotic Theory of Convex Bodies", General Secretariat of Research and Technology (2014-15).

3. Scientist in Charge for the Greek Node of the Marie Curie Research Training Network PHD "Phenomena in High Dimensions" (2004-08)

   Member of the Scientific Committee of the Network (2006-08).

4. Member of the Greek Node of the Marie Curie Research Training Network HARP "Harmonic Analysis and Related Problems" (2002-06).

   Scientist in Charge: Michael Papadimitrakis.

5. Member of the research group: "Problems of asymptotic nature in Harmonic Analysis and Convex Geometric Analysis" – PITHAGORAS II, General Secretariat of Research and Technology (2005-07).

   Scientist in Charge: Antonios Melas.

Reviewing

Reviewer for the Journals:

Advances in Geometry, Advances in Mathematics, Annales Polonici Mathematici, Annals of Probability, Applied Mathematics Letters.

Bulletin of the Greek Mathematical Society.

Discrete and Computational Geometry, Duke Mathematical Journal.

Electronic Communications in Probability, Electronic Journal of Probability.

Geometriae Dedicata, Geometric and Functional Analysis.

Indagationes Mathematicae, Indiana University Mathematics Journal, International Mathematics Research Notices, Inventiones Mathematicae, Israel Journal of Mathematics.

Journal of Complexity, Journal of Differential Geometry, Journal of Functional Analysis, Journal of Geometric Analysis, Journal of Applied Probability, Journal of the European Mathematical Society, Journal of the London Mathematical Society, Journal of Mathematical Inequalities.

Mathematical Proceedings of the Cambridge Philosophical Society, Mathematische Annalen, Mathematische Zeitschrift, Monatshefte für Mathematik.

Probability Theory and Related Fields, Proceedings of the American Mathematical Society, Positivity, Proceedings of the Edinburgh Mathematical Society.

Random Structures and Algorithms.

Studia Mathematica.

Theoretical Computer Science, Transactions of the American Mathematical Society.

Organization of Conferences

International Conferences:

1. First Congress of Greek Mathematicians, Athens, June 2018.

   Central Organizing Committee: I. Emmanouil, A. Fellouris, A. Giannopoulos, S. Labropoulou.

2. Mathematical Analysis in Athens: Katavolos and Nestoridis, Athens, December 2017.

   Organizers: M. Anoussis, G. Costakis, D. Gatzouras, A. Giannopoulos.

3. Fourth Annual Conference of the RTN "Phenomena in High Dimensions", Seville, Spain, June 2008.

   Scientific Committee: S. Artstein, I. Bárány, F. Barthe, J. Bastero, L. Pastur, A. Giannopoulos.

4. Third Annual Conference of the RTN "Phenomena in High Dimensions", Samos, Greece, June 2007.

   Scientific Committee: I. Bárány, F. Barthe, G. Schechtman, R. Schneider, A. Tsolomitis, A. Giannopoulos.

5. Second Annual Conference of the RTN "Phenomena in High Dimensions", Paris, France, June 2006.

   Scientific Committee: D. Cordero-Erausquin, V. D. Milman, A. Pajor, A. Giannopoulos.

6. Convex Geometric Analysis, Crete, Greece, August 2001.

   Scientific Committee: V. D. Milman, R. Schneider, S. J. Szarek, A. Giannopoulos.

Analysis Meetings in Greece:

1. Second Congress of Greek Mathematicians: Session in Analysis, Athens, July 2022.
2. Workshop in memory of Dimitris Gatzouras, University of Athens, March 2022.
3. First Congress of Greek Mathematicians: Session in Analysis, Athens, June 2018.
4. Three-day meeting in Analysis for young researchers, University of Athens, November 2010.
5. 12th Panhellenic Conference in Mathematical Analysis, University of Athens, May 2008.
6. Two Days of Talks in Functional Analysis, University of Crete, June 2003.
7. Second Analysis Meeting for Young Researchers, University of Crete, September 2001.
8. First Analysis Meeting for Young Researchers, University of Crete, June 2000.

Conferences and Workshops

1. Combinatorial Geometry, Anogia, Crete, Greece, July 1994.
2. Summer school on Banach spaces and related topics, Spetses, Greece, August 1994.
3. International Conference on Convexity, Université de Marne la Vallée, Paris, France, September 1994.
4. Harmonic Analysis from the Pichorides Viewpoint, Anogia, Crete, Greece, July 1995.
5. Random Methods in Convex Geometry, Mathematical Sciences Research Institute, Berkeley, California, March 1996.
6. Session on Geometric Functional Analysis, 914th AMS meeting, Lawrenceville, New Jersey, October 1996.
7. Session on Harmonic Analysis and Convexity, 919th AMS meeting, Memphis, Tennessee, March 1997.
8. Geometric Aspects of Fourier and Functional Analysis, Kiel, Germany, August 1998.
9. International Colloquium on Convexity, Kefermarkt, Austria, April 1999.
10. Second International Workshop on Convex Geometry - Analytic Aspects, Cortona, Italy, May 1999.
11. Third International Conference on Stochastic Geometry, Convex Bodies and Empirical Measures, Mazara del Vallo, Italy, May 1999.
12. Workshop on Geometric Functional Analysis, Pacific Institute for the Mathematical Sciences, Vancouver, Canada, July 1999.
13. Workshop on Convex Geometric Analysis, Tel Aviv University, Tel Aviv, Israel, March 2000.
14. Konvexgeometrie, Oberwolfach, Germany, April 2001.
15. Workshop on Convex Geometric Analysis, Anogia, Crete, Greece, August 2001.
16. Instructional Conference on Combinatorial Aspects of Mathematical Analysis, Edinburgh, Great Britain, March-April 2002.
17. Convexity and asymptotic theory of normed spaces, Pacific Institute for the Mathematical Sciences, Vancouver, Canada, July 2002.
18. Phenomena of large dimension, Pacific Institute for the Mathematical Sciences, Vancouver, Canada, July 2002.
19. Banach spaces and convex geometric analysis, Kiel, Germany, April 2003.
20. Third International Workshop on Convex Geometry - Analytic Aspects, Cortona, Italy, June 2003.
21. Workshop on Geometric Tomography, Alicante, Spain, October 2004.
22. Contemporary ramifications of Banach space theory, Hebrew University, Jerusalem, June 2005.
23. Asymptotic Geometric Analysis, Dead Sea, June 2005.
24. Inside the Cube: Algebra, Combinatorics, and Geometry, University of Magdeburg, Institute for Algebra and Geometry, July 2005.

25. First Annual Conference of the RTN "Phenomena in High Dimensions", TU Vienna, July 2005.

26. Second Annual Conference of the RTN "Phenomena in High Dimensions", Institut Henri Poincaré, June 2006.

27. Workshop on Convexity and Probability, Freudenstadt, September 2006.

28. Third Annual Conference of the RTN "Phenomena in High Dimensions", Samos, June 2007.

29. Fourth Annual Conference of the RTN "Phenomena in High Dimensions", Seville, June 2008.

30. Probabilistic Methods in Geometry, Bedlewo, Poland, July 2008.

31. Functional Inequalities and Convex Geometry, Marne-la-Vallee, December 2008.

32. The State of Geometry and Functional Analysis, Tel-Aviv and Dead Sea, June 2009.

33. Conference on Convex and Discrete Geometry, Vienna, July 2009.

34. Harmonic Analysis in Samos, Karlovassi, September 2009.

35. Convex Geometry and its Applications, Oberwolfach, December 2009.

36. Geometry and the distribution of volume in convex bodies, Kibbutz Hagoshrim and Tel-Aviv University, April 2011.

37. Fifth International Workshop on Convex Geometry - Analytic Aspects, Cortona, Italy, June 2011.

38. Phenomena in high dimensions in geometric analysis, random matrices, and computational geometry, Roscoff, France, June 2012.

39. Workshop on Convex Geometric Analysis (on the occasion of the retirement of Professor Souzana Papadopoulou), Heraklion, September 2012.

40. Convex Geometry and its Applications, Oberwolfach, December 2012.

41. Conference on "Banach Spaces: Geometry and Analysis" (Joram Lindenstrauss Memorial Conference), Jerusalem, May 2013.

42. High Dimensional Probability VII Conference, Institut d'Études Scientifiques de Cargèse (IESC), Corsica, May 2014.

43. Second AMS-IMU Joint Meeting, Special Session on Asymptotic Geometric Analysis, Tel-Aviv, June 2014.

44. Aleksander Pelczynski Memorial Conference, Bedlewo, Poland, July 2014.

45. Convexity, Probability and Discrete Structures, a Geometric Viewpoint, University Paris-Est Marne-La-Vallée, France, October 2015.

46. Convex Geometry and its Applications, Oberwolfach, December 2015.

47. Asymptotic Geometric Analysis, Oberwolfach, February 2016.

48. Seventh European Congress of Mathematics, Mini Symposium on Asymptotic Geometric Analysis, Berlin, July 2016.

49. Convex and Discrete Geometry (held in honour of the 80th birthday of Jörg M. Wills), Technische Universität Berlin, Germany, June 2017,

50. Convex, Discrete and Integral Geometry, Banach Center, Bedlewo, Poland, June 2017.

51. Introductory Workshop: phenomena in high dimensions (series of talks), Mathematical Sciences Research Institute, Berkeley, California, August 2017.

52. Geometric functional analysis and applications, Mathematical Sciences Research Institute, Berkeley, California, November 2017.

53. Summer School on "New perspectives on Convex Geometry" (series of talks), CIEM (International Centre for Mathematical meetings) in Castro Urdiales, Spain, September 2018.

54. Convex Geometry and its Applications, Oberwolfach, Germany, December 2018.

55. Asymptotic Geometric Analysis IV, Euler International Mathematical Institute, Saint-Petersburg, Russia, July 2019.

56. Asymptotic Geometric Analysis 2019, (Celebrating Vitali Milman's 80th birthday) Tel-Aviv and the Dead Sea, July 29 - August 2, 2019.

57. Geometric Tomography, Banff International Research Station, February 2020.

Invited Talks

1. University of Athens, Greece [1993, 1999, 2003, 2004, 2005].

2. University of Paris VI, Séminaire d'Analyse Fonctionelle [1995, 2001, 2002].

3. University of Pennsylvania, Philadelphia [1995].

4. Case Western Reserve University, Cleveland [1995].

5. Mathematical Sciences Research Institute [1996].

6. University of Crete [1996, 2005, 2010, 2014].

7. University of Texas at San Antonio [1997].

8. University of the Aegean, Samos, Greece [1998, 2004, 2012].

9. GAFA Seminar, Tel Aviv University, Tel Aviv [1998, 1999, 2003, 2006, 2011].

10. Erwin Schrödinger Institute for Mathematical Physics, Vienna [1999, 2005].

11. Universidad de Zaragoza, Zaragoza [1999].

12. Technical University of Crete, Chania, Greece [1999].

13. Université de Marne la Vallée, Paris [2001, 2002].

14. Tel Aviv University, Tel Aviv [2001, 2003, 2006, 2013, 2017].

15. Institute of Mathematics, Polish Academy of Sciences, Warszawa [2003].

16. University of Magdeburg, Magdeburg [2004].

17. National Technical University of Athens, Greece [2004, 2012].
18. Aristotle University of Thessaloniki, Greece [2004, 2020].
19. University of Cyprus, Cyprus [2005].
20. Institut Henri Poincaré, Paris [2006]
21. University of Calgary, Canada [2006]
22. University of Alberta, Canada [2006, 2020]
23. Technische Universität Wien, Austria [2008]
24. University of Sevilla, Spain [2008, 2012]
25. Technische Universität Berlin [2016]
26. Ruhr Universität Bochum [2018]
27. University of Missouri, Columbia [2019]
28. Queen Mary University, London [2020]