

# CURRICULUM VITAE

## Ashot Minasyan

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## Education

- ✓ *Ph.D. in Mathematics*, Vanderbilt University, Nashville, TN, USA, August 2005.
- ✓ *M.A. in Mathematics*, Vanderbilt University, Nashville, TN, USA, May 2002.
- ✓ *M.S. in Pure and Applied Mathematics*, summa cum laude, Moscow State Lomonosov University, Moscow, Russia, June 2000.
- ✓ *Computer Programmer*, Community College of West District, Moscow, Russia, April 1995.

## Honors, Awards and Grants

- ⊕ *EPSRC Standard Grant EP/I033645/1*, “Workshop Recent Advances in Geometric Group Theory”, April 2011–July 2011.
- ⊕ *EPSRC First Grant EP/H032428/1*, “Profinite topology on non-positively curved groups”, October 2010–January 2012.
- ⊕ *Emil Artin Junior Prize in Mathematics*, presented to a student or former student of an Armenian educational institution who is under the age of thirty-five for outstanding contributions to algebra, geometry, topology and number theory, 2007.
- ⊕ *Bjarni Jónsson Prize* for exceptional research in mathematics and outstanding research potential, Vanderbilt University, April 2005.

## Employment

- \* *Professor*, School of Mathematical Sciences, University of Southampton, UK, 2024–present.
- \* *Associate Professor*, School of Mathematical Sciences, University of Southampton, UK, 2016–2024.
- \* *Lecturer*, School of Mathematical Sciences, University of Southampton, UK, October 2007–2016.
- \* *Post-doctoral Assistant*, Section of Mathematics, University of Geneva, Switzerland, 2005–2008.
- \* *Graduate Student and Teaching Assistant*, Department of Mathematics, Vanderbilt University, TN, USA, 2000–2005.

## Research Interests

*Geometric and Combinatorial Group Theory.*

*More specifically:*

- ⊗ Word hyperbolic, relatively hyperbolic and acylindrically hyperbolic groups
- ⊗ Profinite topology on groups and residual properties
- ⊗ Graph products of groups, Artin and Coxeter groups
- ⊗ Small cancellation theories
- ⊗ Non-amenable and  $C^*$ -simple groups

## Research Publications

1. *Virtual retractions in free constructions*, with J. Merladet (appendix by J. Merladet, A. Minasyan, X. Wu and S. Ye). Preprint (2025). [arXiv:2505.18054](#).
2. *Subgroup mixing and random walks in groups acting on hyperbolic spaces*, with M. Hull and D. Osin. Preprint (2024). [arXiv:2407.16069](#).
3. *Right-angled Artin subgroups and free products in one-relator groups*, with M. Valiunas. Preprint (2024). [arXiv:2404.15479](#).
4. *Simple  $p$ -adic Lie groups with abelian Lie algebras*, with P.-E. Caprace and D. Osin. J. Reine Angew. Math. (Crelle's journal) 812 (2024), 229-256. [arXiv:2308.04408](#).
5. *On double coset separability and the Wilson-Zalesskii property*. Bull. Lond. Math. Soc. 55 (2023), no. 2, pp. 1033-1040. [arXiv:2208.04058](#)
6. *Quasiconvexity of virtual joins and separability of products in relatively hyperbolic groups*, with L. Mineh. Algebr. Geom. Top. 25 (2025), no. 1, pp. 399-488. [arXiv:2207.03362](#).
7. *A note on torsion length and torsion subgroups*, with I.J. Leary. J. Group Theory 26 (2023), no. 4, 741-750. [arXiv:2112.14546](#).
8. *Relative Dehn functions of Baumslag-Solitar groups*, appendix for the paper “Quasi-isometry invariance of relative filling functions” by S. Hughes, E. Martínez-Pedroza and L.J. Saldaña. Groups Geom. 17 (2023), no. 4, 1483–1515. [arXiv:2107.03355](#).
9. *Some examples of invariably generated groups*. Israel J. Math. 245 (2021), no. 1, 231-257. [arXiv:2006.02727](#).
10. *Quasi-isometric diversity of marked groups*, with D. Osin and S. Witzel. J. Topology 14 (2021), no. 2, 488-503. [arXiv:1911.01137](#)
11. *Commensurating HNN-extensions: non-positive curvature and biautomaticity*, with I.J. Leary. Geom. & Top. 25 (2021), no. 4, 1819-1860. [arXiv:1907.03515](#)
12. *Virtual retraction properties in groups*. Int. Math. Res. Not. 2021 (2021), no 17, pp. 13434-13477. [arXiv:1810.02654](#)
13. *Acylindrically hyperbolic groups with exotic properties*, with D. Osin. J. Algebra 522 (2019), 218-235. [arXiv:1804.08767](#)
14. *On conjugacy separability of fibre products*. Proc. Lond. Math. Soc. (3) 115 (2017), no. 6, 1170-1206. [arXiv:1608.03482](#)
15. *Virtually compact special hyperbolic groups are conjugacy separable*, with P. Zalesskii. Comm. Math. Helv. 91 (2016), no. 4, 609-627. [arXiv:1504.00613](#)
16. *On subgroups of right angled Artin groups with few generators*. Int. J. Algebra and Comput. 25 (2015), no. 4, 675-688. [arXiv:1407.2820](#)
17. *New examples of groups acting on real trees*, J. Topology 9 (2016), no. 1, 192-214. [arXiv:1403.1149](#)
18. *Commensurating endomorphisms of acylindrically hyperbolic groups and applications*, with Y. Antolín and A. Sisto. Groups Geom. Dyn. 10 (2016), no. 4, 1149-1210. [arXiv:1310.8605](#)
19. *Acylindrical hyperbolicity of groups acting on trees*, with D. Osin. Math. Annalen 362 (2015), no. 3, 1055-1105. [arXiv:1310.6289](#)
20. *Residual properties of automorphism groups of (relatively) hyperbolic groups*, with G. Levitt. Geom. & Top. 18 (2014), no. 5, 2985-3023. [arXiv:1305.5403](#)
21. *One-relator groups with torsion are conjugacy separable*, with P. Zalesskii. J. Algebra 382 (2013), 39-45. [arXiv:1211.0488](#)
22. *On conjugacy separability of some Coxeter groups and parabolic-preserving automorphisms*, with P.-E. Caprace. Illinois J. Math. 57 (2013), no. 2, 499-523. [arXiv:1210.4328](#)
23. *Tits alternatives for graph products*, with Y. Antolín. J. Reine Angew. Math. (Crelle's journal) 704 (2015), 55-83. [arXiv:1111.2448](#)

24. *Isomorphism versus commensurability for a class of finitely presented groups*, with G. Arzhantseva and J.-F. Lafont. J. Group Theory 17 (2014), no. 2, 361-378. [arXiv:1109.2225](#)
25. *Fixed subgroups of automorphisms of relatively hyperbolic groups*, with D. Osin. Q. J. Math. 63 (2012), no. 3, 695-712. [arXiv:1007.2361](#)
26. *Conjugacy in normal subgroups of hyperbolic groups*, with A. Martino. Forum Math. 24 (2012), no. 5, 889-909. [arXiv:0906.1606](#)
27. *Hereditary conjugacy separability of right angled Artin groups and its applications*. Groups Geom. Dyn. 6 (2012), no. 2, 335-388. [arXiv:0905.1282](#)
28. *Normal automorphisms of relatively hyperbolic groups*, with D. Osin. Trans. Amer. Math. Soc. 362 (2010), 6079-6103. [arXiv:0809.2408](#)
29. *Periodic quotients of hyperbolic and large groups*, with A.Yu. Olshanskii and D. Sonkin. Groups Geom. Dyn. 3 (2009), no. 3, 423-452. [arXiv:0804.3328](#)
30. *Infinite groups with fixed point properties*, with G. Arzhantseva, M.R. Bridson, T. Januszkiewicz, I.J. Leary and J. Świątkowski. Geom. & Top. 13 (2009), no. 3, 1229-1263. [arXiv:0711.4238](#)
31. *Groups with finitely many conjugacy classes and their automorphisms*. Comm. Math. Helv. 84 (2009), no. 2, 259-296. [arXiv:0704.0091](#)
32. *Relatively hyperbolic groups are  $C^*$ -simple*, with G. Arzhantseva. J. Funct. Analysis 243 (2007), no. 1, 345-351. [arXiv:math.GR/0603305](#)
33. *The SQ-universality and residual properties of relatively hyperbolic groups*, with G. Arzhantseva and D. Osin. J. of Algebra 315 (2007), no. 1, 165-177. [arXiv:math.GR/0601590](#)
34. *On residual properties of hyperbolic groups*. J. Group Theory 9 (2006), no. 5, 695-714. [arXiv:math.GR/0506606](#)
35. *Separable subsets of GFERF negatively curved groups*, J. of Algebra 304 (2006), no. 2, 1090-1100. [arXiv:math.GR/0502101](#)
36. *On quasiconvex subsets of hyperbolic groups*. Ph.D. Thesis, Vanderbilt University, Nashville, TN, USA, 2005. [Link](#)
37. *On residualizing homomorphisms preserving quasiconvexity*. Comm. in Algebra 33 (2005), no. 7, 2423-2463. [arXiv:math.GR/0406126](#)
38. *Some properties of subsets of hyperbolic groups*. Comm. in Algebra 33 (2005), no. 3, 909-935. [arXiv:math.GR/0404473](#)
39. *On products of quasiconvex subgroups in hyperbolic groups*. Intern. J. Algebra and Comput. 14 (2004), no. 2, 173-195. [arXiv:math.GR/0404397](#)

## Teaching Experience

- ◇ Lecturer, *Geometric Group Theory* (an advanced module for 4th year MMATH students), University of Southampton, Autumns 2023-2024.
- ◇ Lecturer, *Complex Function Theory* (an advanced module for 4th year MMATH students), University of Southampton, Springs 2020-2022.
- ◇ Lecturer, *Geometry and Topology* (2nd year module, 60 students), University of Southampton, Spring 2019.
- ◇ Lecturer, *Algebra and Geometry* (2nd year module, 80-90 students), University of Southampton, Springs 2015-2017.
- ◇ Lecturer, *Linear Algebra I* (1st year module, 250-300 students), University of Southampton, Autumns 2014-2024.
- ◇ Module coordinator, *Communicating and Researching Mathematics* (compulsory project module for all 3rd year students), University of Southampton, Autumns 2011-2013.

- ◊ Academic supervisor, *Mathematics for Electronics and Electrical Engineering*, University of Southampton, Springs 2010-2011, 2022.
- ◊ Lecturer, *Hyperbolic Geometry* (an advanced module for 4th year MMATH students), University of Southampton, Autumns 2008-2013.
- ◊ Tutor, basic course *Linear Algebra II*, University of Southampton, Springs 2009-2013.
- ◊ Tutor, basic courses *Calculus I,II*, University of Southampton, Autumns 2008-2010, 2012-2013, Springs 2012-2013.
- ◊ Tutor, basic course *Number Theory and Cryptography*, University of Southampton, Autumn 2010.
- ◊ Assistant, advanced course *Infinite groups: geometry and analysis* (in French), University of Geneva, Spring 2008.
- ◊ Assistant, advanced course *Combinatorial Group Theory* (in French), University of Geneva, Spring 2007.
- ◊ Assistant, basic course *Linear Algebra* (in French), University of Geneva, Autumn 2006, 2007.
- ◊ Assistant, advanced course *Representation Theory* (in French), University of Geneva, 2005-2006.
- ◊ Instructor, basic courses *Calculus I and II*, Vanderbilt University, 2001- 2003, 2004-2005.
- ◊ Teaching Assistant, basic course *Discrete Mathematics*, Vanderbilt University, 2004.
- ◊ Teaching Assistant, basic course *Differential Equations*, Vanderbilt University, 2004.
- ◊ Mathematics Tutor, Vanderbilt University, 2000-2001.

## Conference organizing

- Co-organizer of the “[Southampton-Bielefeld Geometric Group Theory Meeting](#)”. University of Southampton, UK, September 18–20, 2019.
- Co-organizer of the series of meetings “[Groups and Geometry in the South East](#)”.
- Main organizer of the workshop “Recent advances in Geometric Group Theory”. University of Southampton, UK, June 29–July 1, 2011.

## Conference Talks

- ▷ *Trace monoids in 1-relator groups*, “[XVI Summer Workshop in Mathematics](#)”, University of Brasilia, Brazil, February 2024.
- ▷ *Trace submonoids of 1-relator groups*, conference “[Groups, Rings, Lie and Hopf Algebras. V](#)”, UK campus of Memorial University, Harlow, UK, August 2023.
- ▷ *Product separability in relatively hyperbolic groups*, conference “[Sixteenth Barcelona Weekend in Group Theory](#)”, Universitat Politècnica de Catalunya, Barcelona, Spain, May 2023.
- ▷ *The Ribes-Zalesskii property for graphs of free groups with cyclic edges* (via Zoom), conference “[Workshop on combinatorial theory of profinite groups and applications](#)”, University of Brasilia, Brazil, March 2023.
- ▷ *Quasiconvexity of virtual joins and separability of products in relatively hyperbolic groups*, conference “[Hyperbolic groups and their generalisations](#)”, IHP Paris, France, June 2022.
- ▷ *Some examples of invariably generated groups* (via Zoom), conference “[GAGTA-2021](#)”, ICMS (Edinburgh), UK, June 2021.
- ▷ *Quasi-isometric diversity of marked groups*, LMS regional meeting and workshop “[Interactions between Geometry, Dynamics and Group Theory](#)”, University of Bristol, UK, January 2020.
- ▷ *CAT(0) groups with exotic properties*, conference “[Groups with hyperbolic features](#)”, ETH Zürich, Switzerland, August 2019.
- ▷ *CAT(0) groups need not be biautomatic*, workshop “[Groups and Group Rings](#)”, St. Petersburg State University, Russia, June 2019.

- ▷ *Acylindrically hyperbolic groups with strong fixed point properties*, conference “[Geometric Group Theory at Infinity](#)”, University of Bielefeld, Germany, December 2018.
- ▷ *Non-biautomatic  $CAT(0)$  groups*, conference “[Geometric Group Theory in Campinas](#)”, Campinas, Brazil, July 2018.
- ▷ *On  $p$ -conjugacy separability of fibre products*, conference “[Geometric and Asymptotic Group Theory with Applications](#)”, Bilbao, Spain, July 2017.
- ▷ *Conjugacy separability and the cohomological goodness property*, workshop “Topology, cohomology, geometry, and soluble groups”, University of Southampton, UK, July 2016.
- ▷ *On conjugacy separability of subdirect products*, conference “[Geometric and Asymptotic Group Theory with Applications](#)”, Stevens Institute of Technology, Hoboken, NJ, USA, June 2016.
- ▷ *An exotic group action on an  $\mathbb{R}$ -tree*, “[Shanks Workshop on Geometric Methods in Group Theory](#)”, Vanderbilt University, Nashville, TN, USA, April 2016.
- ▷ *Introduction to conjugacy separability*, workshop “[Models and Groups](#)”, Istanbul Center for Mathematical Sciences, Istanbul, Turkey, October 2015.
- ▷ *Residual finiteness of outer automorphism groups*, conference “[Journées transCoudesnon de théorie des groupes](#)”, University of Caen, Caen, France, March 2015.
- ▷ *New examples of groups acting on real trees*, workshop “[Geometry of computation in groups](#)”, Erwin Schrödinger Institute, Vienna, Austria, April 2014.
- ▷ *Commensurating endomorphisms of acylindrically hyperbolic groups and applications*, conference “[Geometric and Analytic Group Theory](#)”, Ventotene, Italy, September 2013.
- ▷ *Hyperbolically embedded subgroups in groups acting on trees and in graph products*, conference “[Facets of discrete groups](#)”, University of Joseph Fourier, Grenoble, France, December 2012.
- ▷ *Tits alternatives for graph products of groups*, conference “[Geometric and Combinatorial Group Theory with Applications](#)”, University of Düsseldorf, Düsseldorf, Germany, July 2012.
- ▷ *Residual finiteness of outer automorphism groups*, workshop “[Infinite monster groups](#)”, Erwin Schrödinger Institute, Vienna, Austria, December 2011.
- ▷ *Residual finiteness of outer automorphism groups of relatively hyperbolic groups*, conference “[JOURNEES sur  \$Out\(F\_n\)\$](#) ”, Université Paris-Sud, Centre d’Orsay, France, August 2011.
- ▷ *Fixed subgroups of automorphisms of relatively hyperbolic groups*, conference “[Geometry and Analysis on Graphs and Groups](#)”, University of Oxford, UK, November 2010.
- ▷ *Hereditary conjugacy separability of right angled Artin groups and applications*, conference “[Groups of Artin-Tits, automorphisms and related questions](#)”, University of Dijon, France, March 2010.
- ▷ *Hereditary conjugacy separability of right angled Artin groups and applications*, “[Workshop on limit groups and their generalisations](#)”, University of Southampton, UK, July 2009.
- ▷ *Hereditarily conjugacy separable groups*, conference “[Geometric Group Theory](#)”, Bedlewo, Poland, June 2009.
- ▷ *Infinite groups with fixed point properties*, workshop “[Analytic Properties of Infinite Groups](#)”, University of Geneva, Switzerland, August 2008.
- ▷ *Infinite groups with fixed point properties*, “[International algebraic conference on the occasion of 100th anniversary of A.G. Kurosh](#)”, Moscow State University, Russia, June 2008.
- ▷ *Groups with finitely many conjugacy classes and their automorphisms*, conference “[Combinatorial and Geometric Group Theory with Applications](#)”, University of Dortmund, Germany, August 2007.
- ▷ *On torsion-free finitely generated groups containing finitely many conjugacy classes*, conference “[Geometric Linearization of Graphs and Groups](#)”, EPFL, Lausanne, Switzerland, January 2007.
- ▷ *The SQ-universality and residual properties of relatively hyperbolic groups*, conference “[Geometric and Asymptotic Group Theory with Applications](#)”, Manresa, Spain, September 2006.



- ▷ *On the engulfing property for word hyperbolic groups*, conference “[Combinatorial and Geometric Group Theory](#)”, Vanderbilt University, Nashville, TN, USA, May 2006.
- ▷ *Separable subsets of GFERF negatively curved groups*, “[2005 Spring Southeastern AMS Sectional Meeting](#)”, Bowling Green, KY, USA, March 2005.
- ▷ *On residualizing homomorphisms preserving quasiconvexity*, conference “[Geometric Group Theory on Gulf Coast](#)”, Destin, FL, USA, November 2004.
- ▷ *On products of quasiconvex subgroups in hyperbolic groups*, conference “[Geometric Group Theory on Gulf Coast](#)”, New Orleans, LA, USA, March 2002.

## Other Invited Talks

- *Property  $P_{nai}$  and  $C^*$ -simplicity of 1-relator groups*, [Geometry and Topology Seminar](#), University of Bristol, UK, February 2025.
- *Generating RAAGs in 1-relator groups*, [Pure Mathematics Seminar](#), University of East Anglia, UK, October 2024.
- *Generating RAAGs in 1-relator groups*, [Topology Seminar](#), University of Oxford, UK, May 2024.
- *Generating RAAGs in 1-relator groups*, [Geometric Group Theory Seminar](#), University of Cambridge, UK, February 2024.
- *Separability of double cosets in relatively hyperbolic groups*, [Topology & Group Theory Seminar](#), Vanderbilt University, Nashville, TN, USA, April 2023.
- *Virtual combination of relatively quasiconvex subgroups and separability properties*, [Geometry Seminar](#), Mathematical Institute, University of Wrocław, Poland, February 2023.
- *Invariable generation for infinite groups*, [Algebra Seminar](#). School of Mathematics and Physics, University of Lincoln, UK, February 2023.
- *Invariable generation for infinite groups* (via Zoom), [Algebra Seminar](#). School of Mathematics Research, University of Bristol, UK, February 2022.
- *Virtual retraction properties in groups*, [Algebra Seminar](#) (via Zoom), Department of Mathematics, University of Brasilia, Brazil, September 2020.
- *$CAT(0)$  groups with unusual properties*, “[Geometric Group Theory](#)” seminar (via Zoom). Chebyshev Lab, St. Petersburg State University, Russia, May 2020.
- *$CAT(0)$  groups with exotic properties*, [Group theory seminar](#), Département de mathématiques et applications, École Normale Supérieure, Paris, France, December 2019.
- *$CAT(0)$  groups need not be biautomatic*, [North British Geometric Group Theory Seminar](#), International Centre for Mathematical Sciences (ICMS), Edinburgh, UK, November 2019.
- *Virtual retraction properties in groups*, [Geometry and Analysis on Groups](#), research seminar, Faculty of Mathematics, University of Vienna, Austria, November 2019.
- *Virtual retraction properties in groups*, [Group Theory Seminar](#), Institute of Mathematical Sciences (ICMAT), Madrid, Spain, October 2019.
- *Acylindrically hyperbolic groups with strong fixed point properties*, [Topology Seminar](#), University of Oxford, UK, March 2019.
- *Virtual retracts and virtual free factors*, [Group Theory Seminar](#), Moscow State University, Russia, December 2018.
- *Exotic acylindrically hyperbolic groups*, [Algebra Seminar](#), Department of Mathematics, University of the Basque Country, Spain, April 2018.
- *Conjugacy separability of non-positively curved groups*, [Group Theory and Topology Seminar](#), Department of Mathematics, Vanderbilt University, USA, February 2018.
- *On conjugacy separability of subdirect products*, [Geometry and Topology Seminar](#), University of Warwick, UK, February 2017.

- *Residual finiteness of outer automorphism groups*, [Mathematical Colloquium](#), University of Düsseldorf, Germany, July 2016.
- *Conjugacy separability of non-positively curved groups*, seminar “Groups and Geometry in the South East”, University of Oxford, UK, May 2016.
- *Conjugacy separability of non-positively curved groups*, [Group Theory International Webinar](#), March 2016.
- *New examples of groups acting on real trees*, [Algebra and Geometry Seminar](#), School of Mathematics, University of Bristol, UK, November 2015.
- *On universal right angled Artin groups*, [Algebra Seminar](#), Mathematical Institute, University of Oxford, UK, November 2014.
- *On universal right angled Artin groups*, [Topology & Group Theory Seminar](#), Department of Mathematics, Vanderbilt University, USA, August 2014.
- *New examples of groups acting on real trees*, [Ergodic Theory Seminar](#), Department of Mathematics, University of Rennes, France, March 2014.
- *Acylindrical hyperbolicity from actions on trees*, [North British Geometric Group Theory Seminar](#), Durham University, UK, March 2014.
- *Acylindrical hyperbolicity from actions of trees*, [Topology Seminar](#), Department of Mathematics, University of Aberdeen, UK, February 2014.
- *Acylindrical hyperbolicity from actions of trees*, [Algebra/Topology Seminar](#), Department of Mathematical Sciences, University of Copenhagen, Denmark, November 2013.
- *Residual finiteness of outer automorphism groups*, [Algebra and Geometry Seminar](#), Section of Mathematics, University of Geneva, Switzerland, May 2013.
- *Hyperbolically embedded subgroups in groups acting on trees and in graph products*, [Geometry and Analysis on Groups](#), research seminar, Faculty of Mathematics, University of Vienna, Austria, March 2013.
- *Hyperbolically embedded subgroups in groups acting on trees*, [Pure Mathematics Seminar](#), Department of Mathematics, Royal Holloway University of London, UK, March 2013.
- *Tits alternatives for graph products*, [Group Theory International Webinar](#), September 2012.
- *Fixed point properties for group actions on simplicial and real trees*, [Topology & Group Theory Seminar](#), Department of Mathematics, Vanderbilt University, USA, March 2012.
- *Tits alternatives for graph products of groups*, [Group Theory Seminar](#), Institut de recherche en mathématique et physique, Université catholique de Louvain, Belgium, March 2012.
- *Tits alternatives for graph products of groups*, [Algebra Seminar](#), Mathematical Institute, University of Oxford, UK, February 2012.
- *On the residual finiteness of outer automorphism groups*, [Algebra Seminar](#), Department of Pure Mathematics and Mathematical Statistics, University of Cambridge, UK, February 2011.
- *Constructing non-hereditarily conjugacy separable groups*, [London Algebra Colloquium](#), Department of Mathematics, Imperial College, UK, February 2011.
- *Fixed subgroups of automorphisms of relatively hyperbolic groups*, [Algebra and Geometry Seminar](#), Department of Mathematics, University of Caen, France, September 2010.
- *Conjugacy in normal subgroups of hyperbolic groups*, [Geometry and Algebra Seminar](#), School of Mathematics & Statistics, University of Newcastle, UK, January 2010.
- *Infinite groups with fixed point properties*, [Pure Mathematics Colloquium](#), Department of Mathematical Sciences, Durham University, UK, January 2010.
- *Residual finiteness of outer automorphism groups*, [North British Geometric Group Theory Seminar](#), University of Nottingham, UK, April 2009.

- *Normal automorphisms of relatively hyperbolic groups*, [Bristol-Oxford-Southampton Geometric Group Theory Seminar](#), University of Southampton, UK, December 2008.
- *Infinite groups with fixed point properties*, [Pure Mathematics Colloquium](#), School of Mathematics, University of Southampton, UK, October 2008.
- *Groupes avec un nombre fini de classes de conjugaison et leurs automorphismes*, [Groups, Geometry and Logic Seminar](#), Department of Mathematics, University of Lyon-1, France, May 2008.
- *Groupes infinis avec des propriétés de point fixe*, [Algebra and Geometry Seminar](#), Section of Mathematics, University of Geneva, Switzerland, April 2008.
- *Groupes infinis avec des propriétés de point fixe*, [Geometric group Theory Seminar](#), Department of Mathematics, University Paris-Sud 11, France, March 2008.
- *On residualizing homomorphisms preserving quasiconvex subsets*, [Geometry and Topology Seminar](#), University of Fribourg, Switzerland, November 2007.
- *On residualizing homomorphisms preserving quasiconvex subsets*, [Pure Mathematics Colloquium](#), School of Mathematics, University of Southampton, UK, October 2007.
- *Groups with finitely many classes of conjugate elements*, [Group Theory Seminar](#), Department of Mechanics and Mathematics, Moscow State University, Russia, March 2007.
- *The SQ-universality and residual properties of relatively hyperbolic groups*, [Algebra and Geometry Seminar](#), Section of Mathematics, University of Geneva, Switzerland, November 2006.
- *Profinite topology on negatively curved groups*, [Groups, Geometry and Logic Seminar](#), Department of Mathematics, University of Lyon-1, France, February 2006.
- *Quasiconvexity in word hyperbolic groups*, [Algebra and Geometry Seminar](#), Section of Mathematics, University of Geneva, Switzerland, November 2005.
- *Separable subsets of negatively curved groups*, [Topology and Group Theory Seminar](#), Department of Mathematics, Vanderbilt University, USA, February 2005.
- *Some properties of subsets of hyperbolic groups*, [Topology and Group Theory Seminar](#), Department of Mathematics, Vanderbilt University, USA, September 2003.
- *Products of quasiconvex subgroups in hyperbolic groups*, [Topology and Group Theory Seminar](#), Department of Mathematics, Vanderbilt University, USA, September 2002.
- *Products of cyclic subgroups in hyperbolic groups*, [Group Theory Seminar](#), Moscow State University, Russia, April 2000.

## Students and post-docs

- [Yago Antolín Pichel](#), Post-doc, University of Southampton, February 2011-February 2013.
- Michal Ferov, PhD student (graduated), University of Southampton, January 2012-September 2015.
- Lawk Mineh, PhD student, University of Southampton, October 2020-September 2024.
- Jon Merladet, PhD student, University of Southampton, January 2023-present.

## Membership of PhD viva committees

- Martin Fluch, University of Southampton, UK, December 2010.
- Emmanuel Toinet, Université de Bourgogne, France, May 2012.
- Dominik Gruber, University of Vienna, Austria, August, 2015.
- Amal Alabdullatif, University of Southampton, UK, November 2016.
- Naomi Andrew, University of Southampton, UK, September 2021.

## Referee for the Journals



- *Alg. & Geom. Topology*
- *Adv. Math.*
- *Ann. Sci. École Norm. Sup.*
- *Bull., J. and Proc. of the LMS*
- *Comm. Algebra*
- *Compos. Math.*
- *L'Enseignement Math.*
- *Geom. Dedicata*
- *Geom. & Top.*
- *Groups Geom. Dyn.*
- *Int. J. of Algebra Comput.*
- *J. of Algebra*
- *J. of Group Theory*
- *J. of Pure Appl. Algebra*
- *J., Proc. and Mem. of the AMS*
- *J. of Topology*
- *J. Reine Angew. Math*
- *Math. Proc. Cam. Phil. Soc.*
- *New York J. of Math.*
- *Random Struc. & Algorithms*

## Membership of Professional Societies

- ⊙ *Fellow of the Higher Education Academy*, UK, January 2010-present.