

Assistant Professor
 Mathematics and Statistics
 McGill University
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Anush Tserunyan

- RESEARCH** Rooted in logic and **descriptive set theory** with outcomes in ergodic theory, measured group theory, combinatorics, and geometric group theory.
- EDUCATION**
- 2013 Jun *Ph.D. in Mathematics, University of California at Los Angeles, CA, USA*
 Advisors: Alexander S. Kechris (Caltech), Itay Neeman (UCLA)
 Thesis: *Finite generators for countable group actions; Finite index pairs of equivalence relations; Complexity measures for recursive programs*
- 2007 Jun *M.S. in Informatics and Applied Mathematics, 2007, Yerevan State University, Armenia*
- 2005 Jun *B.S. in Informatics and Applied Mathematics, 2005, Yerevan State University, Armenia*
- ACADEMIC APPOINTMENTS**
- Main**
- 2020 Aug– *Assistant Professor, Mathematics Department, McGill University, Canada*
- 2015 Aug–2020 Aug *Assistant Professor, Mathematics Department, University of Illinois at Urbana-Champaign, USA*
- 2013 Aug–2015 Aug *J.L. Doob Research Assistant Professor, Mathematics Department, University of Illinois at Urbana-Champaign, USA*
- Editorial**
- 2019 Jan–present *Editor, Mathematical Logic Quarterly, Wiley*
- 2017 Dec–present *Editor, Archive for Mathematical Logic, Springer*
- Visiting**
- 2018 Jun 3–30 *Visiting Fellow, Bernoulli Center, Lausanne, Switzerland*
 Program: *Descriptive set theory and Polish groups*
- 2016 Mar 14–Apr 29 *Visiting Fellow, Institut Mittag-Leffler, Djursholm, Sweden*
 Program: *Classification of operator algebras: complexity, rigidity, and dynamics*
- GRANTS AND AWARDS**
- Grants**
- 2020–2025 NSERC Discovery Grant RGPIN-2020-07120
 Principal Investigator of project “Treeings, quasi-invariance, and ergodic combinatorics”
- 2020–2021 NSERC Discovery Launch Supplement DGECR-2020-00543
 Principal Investigator of project “Treeings, quasi-invariance, and ergodic combinatorics”
- 2019–2022 NSF Grant DMS-1855648
 Principal Investigator of project “Trees, quasi-invariance, and ergodic combinatorics”
- 2015–2018 NSF Grant DMS-1501036
 Principal Investigator of project “Treeable equivalence relations and the use of probability groups in arithmetic combinatorics”
- 2014–2016 AMS Simons Travel Grant
- 2006–2007 Armenian National Science and Education Fund Grant
 Investigator of project “On Pairs of Disjoint Matchings of a Graph”
 Principal Investigator: Vahan Mkrtchyan

Awards

- 2018–2020 Lincoln Excellence for Assistant Professors Award, College of Liberal Arts and Sciences, University of Illinois at Urbana-Champaign
- 2018 N. Tenney Peck Teaching Award in Mathematics, University of Illinois at Urbana-Champaign
- 2015 Emil Artin Junior Prize in Mathematics [Wikipedia]
- 2012–2013 Dissertation Year Fellowship, UCLA
- 2011 Robert Sorgenfrey Distinguished Teaching Award, UCLA
- 2010–2011 Mangasar M. Mangasarian Fellowship for continuing graduate students, UCLA
- 2007 Chancellor’s Prize for incoming graduate students, UCLA
- 2005 Presidential Award “*Best Undergraduate Student in Sciences and Information Technologies*”
Awarded by a former president of Armenia Robert Kocharyan
- 2004 Anania Shirakatzi Scholarship for excellent studies, Yerevan State University

MATH
WRITING

Research publications and preprints

- A. Tserunyan, J. Zomback, *A backward pointwise ergodic theorem and its forward implications* (2020) [arXiv], in review
- Z. Mo, S. Qunell, A. Tserunyan, J. Zomback, *Characterization of saturated graphs related to pairs of disjoint matchings*, (2020) [arXiv], in review
- A. Guo, K. Kaempfen, Z. Mo, S. Qunell, J. Rogge, C. Song, A. Tserunyan, J. Zomback, *Pairs of disjoint matchings and related classes of graphs* (2020) [arXiv], in review
- B. D. Miller, A. Tserunyan, *The ratio ergodic theorem* (2020)
- A. Bernshteyn, M. Delcourt, A. Tserunyan, *Independent sets in algebraic hypergraphs* (2020) to appear in **Journal of European Mathematical Society** [arXiv]
- A. Tserunyan, *A descriptive construction of trees and Stallings’ theorem*, Trends in set theory, **Contemporary Mathematics**, vol. 752, Amer. Math. Soc., Providence, RI, 2020, pp. 191–207.
- A. Bernshteyn, M. Delcourt, H. Towsner, A. Tserunyan, *A short nonalgorithmic proof of the containers theorem for hypergraphs*, **Proceedings of the American Mathematical Society** 147 (2019), 1739–1749 [arXiv]
- A. Tserunyan, *Pointwise ergodic theorem for locally countable quasi-pmp graphs* (2018) [arXiv], in revision
- A. Tserunyan, *A descriptive set theorist’s proof of the pointwise ergodic theorem* (2017) [arXiv]
- B. D. Miller, A. Tserunyan, *Edge sliding and ergodic hyperfinite decomposition* (2017) [arXiv], in revision
- A. Tserunyan, *Mixing and double recurrence in probability groups* (2017) [arXiv], in review
- A. Tserunyan, *A Ramsey theorem on semigroups and a general van der Corput lemma*, **Journal of Symbolic Logic**, vol. 81 (2016), no. 2, pp. 718–741 [arXiv]
- A. Tserunyan, *Finite generators for countable group actions in the Borel and Baire category settings*, **Advances in Mathematics**, vol. 269 (2015), pp. 585–646 [arXiv]
- A. Tserunyan, *Characterization of a class of graphs related to pairs of disjoint matchings*, **Discrete Mathematics**, vol. 309 (2009), no. 4, pp. 693–713 [arXiv]
- V. Mkrtchyan, V. Musoyan, A. Tserunyan, *On edge-disjoint pairs of matchings*, **Discrete Mathematics**, vol. 308 (2008), no. 23, pp. 5823–5828 [arXiv]

Work in preparation

- A. Tserunyan, R. Tucker-Drob, *The structure of hyperfinite equivalence relations in a quasi-pmp acyclic graph*
- A. Tserunyan, *Topological dimension and Baire category in Euclidean spaces*
- A. Tserunyan, *Finite index subequivalence relations and treeability*

Course notes

A. Tserunyan, *Introduction to Descriptive Set Theory*, semester-long course notes [\[pdf\]](#)

A. Tserunyan, *Mathematical Logic*, semester-long course notes [\[pdf\]](#)

A. Tserunyan, *A quick introduction to basic set theory* [\[pdf\]](#)

A. Tserunyan, *Topics in logic and applications*, three-day course notes for advanced undergraduates [\[pdf\]](#)

Reviews

A review of “C. T. Conley and B. D. Miller, A bound on measurable chromatic numbers of locally finite Borel graphs, *Mathematical Research Letters*, vol. 23, no. 6 (2016), pp. 1633–1644”, **The Bulletin of Symbolic Logic**, vol. 23 (2017), no. 3, pp. 334–336 [\[pdf, DOI\]](#)

INVITED TALKS AND LECTURES

Plenary conference talks

- 2021 Jun 21–22 [upcoming] 2021 Chapel Hill Ergodic Theory Workshop : Global Online Edition, North America
- 2018 Jul 23–28 Logic Colloquium 2018, Udine, Italy
- 2017 Jun 18–24 The 41st Summer Symposium in Real Analysis, The College of Wooster, OH, USA
- 2015 Mar 25–28 The North American Annual Meeting of the Association for Symbolic Logic, UIUC, Urbana-Champaign, IL, USA

Colloquia

- 2021 May 1 & 15 Yerevan Mathematics Colloquium (online)
- 2021 Mar 16 Mathematics Colloquium, Chulalongkorn University, Thailand (online)
- 2020 Oct 30 Logic Colloquium, UC Berkeley, USA (online)
- 2020 Oct 29 Mathematics Colloquium, University of Virginia, USA (online)
- 2019 Mar 29 Millican Colloquium, University of North Texas, USA
- 2018 Sep 14 Mathematics Colloquium, University of Illinois at Chicago, USA
- 2016 Sep 30 Mathematics Colloquium, Queen’s University, Canada
- 2016 Feb 25 Mathematics Colloquium (Oliver Club), Cornell University, USA
- 2015 Nov 12 Mathematics Colloquium, Western Illinois University, USA

Selected and recent seminars

- 2021 ?? [upcoming] Functional Analysis, Operator Theory, and Dynamical Systems Seminar, Leipzig, Germany (online)
- 2021 Jun 14 [upcoming] Pure Mathematics Seminar, University of East Anglia, UK (online)
- 2021 May 26 [upcoming] Séminaire de Logique Lyon-Paris, France (online)
- 2021 May 11 Ergodic Theory and Dynamical Systems Seminar, University of Warwick, UK (online)
- 2021 Apr 7 Groups and Dynamics Seminar, Texas A&M University, USA (online)
- 2021 Apr 1 Pacific Dynamics Seminar (online)
- 2021 Mar 19 Set Theory Seminar, University of Toronto, Canada (online)
- 2021 Feb 2 Logic Seminar, Carnegie Mellon University, USA (online)
- 2021 Jan 20 Geometric Group Theory Seminar, McGill University, Canada (online)
- 2021 Jan 15 Analysis Seminar, McGill University, Canada (online)
- 2020 Nov 4 Logic Seminar, Caltech, USA (online)
- 2020 Oct 9 Logic Seminar, Cornell University, USA (online)
- 2020 Jun 18 Research Seminar, Kurt Gödel Research Center for Mathematical Logic, University of Vienna, Austria (online)
- 2020 Jun 4 Séminaire d’Algèbres d’Opérateurs, Institut de mathématiques de Jussieu – Paris Rive Gauche, Université Paris Diderot, France (online)

2018 Nov 15 Functional Analysis Seminar, University of California at San Diego, USA
 2018 Nov 9 UCLA–Caltech Cabal Seminar, University of California at Los Angeles, USA
 2018 Oct 18 Logic Seminar, Carnegie Mellon University, USA
 2018 Sep 4 Groups and Dynamics Seminar, Texas A&M, USA
 2018 Apr 21 Wabash Extramural Modern Analysis Seminar, Wabash College, USA
 2017 Jun 2 UCLA–Caltech Cabal Seminar, University of California at Los Angeles, USA
 2017 May 30 Logic Seminar, California Institute of Technology, USA
 2016 May 12 Research Seminar, Kurt Gödel Research Center for Mathematical Logic, University of Vienna, Austria

Mini-courses

2019 Jan 12–19 The 47th Winter School in Abstract Analysis, Czech Republic
 Mini-course: *Countable Borel equivalence relations, ergodic theory, and measured group theory*
 2017 May 5–11 The 15th Annual Spring Institute: Noncommutative Geometry and Operator Algebras, Vanderbilt University, USA
 Mini-course: *Countable Borel equivalence relations, ergodicity, and turbulence*
 2016 Jun 6–10 Undergraduate Summer School within Thematic Program on Model Theory, University of Notre Dame, USA
 Mini-course: *Introduction to Model Theory II*
 2013, Jul 14–Aug 3 Undergraduate Logic Summer School, Logic Center, Univ. of California at Los Angeles
 Mini-course: *Descriptive Set Theory*
 2012, Jun 24–Jul 14 Undergraduate Logic Summer School, Logic Center, Univ. of California at Los Angeles
 Mini-course: *First Order Logic and Gödel’s Incompleteness Theorem*

All conference and workshop talks

2022 Jan 9–15 [upcoming] Oberwolfach Workshop 2202 “Set Theory”, Oberwolfach, Germany
 2021 Jun 21–22 [upcoming] *Plenary speaker* at 2021 Chapel Hill Ergodic Theory Workshop : Global Online Edition, North America
 2021 Jun 15 [upcoming] “Expanding Dynamics XIII: The School”, international online workshop
 2021 Feb 23 “Expanding Dynamics IX”, international online workshop
 2020 Apr 5–10 [canceled] “Set Theory” Workshop, Oberwolfach, Germany
 2019 Oct 7–11 [couldn’t go] “Measurable, Borel, and Topological Dynamics” Workshop, Centre International de Rencontres Mathématiques, Luminy, France
 2019 Sep 29–Oct 4 [couldn’t go] “Classification Problems in von Neumann Algebras” Workshop, Banff International Research Centre, Banff, AB, Canada
 2019 Jul 8–12 “Measurability, Ergodic Theory and Combinatorics” Workshop, Warwick Mathematics Institute, Warwick, UK
 2019 Jul 1–5 [couldn’t go] 7th European Set Theory Conference, Erwin Schrödinger Institute, Vienna, Austria
 2019 Jun 4–6 Boundaries of Random Walks and Applications, Bowdoin College, Brunswick, ME, USA
 2019 Feb 1–3 20th Very Informal Gathering (VIG) celebrating the 50th anniversary of the start of the “cabal”, UCLA Logic Center, Los Angeles, CA, USA
 2019 Jan 12–19 The 47th Winter School in Abstract Analysis, Svatka, Czech Republic
 2018 Sep 1–3 “Group Theory and Dynamical Systems” Workshop, UT Austin, Austin, TX, USA
 2018 Jul 23–28 *Plenary speaker* at Logic Colloquium 2018, Udine, Italy
 2018 Jul 14–21 “Ramsey Theory in Logic, Combinatorics and Complexity” Workshop, Bertinoro (Forlì-Cesena), Italy
 2018 Jun 12 Descriptive Set Theory Day, Turin, Italy
 2018 Apr 21 Wabash Extramural Modern Analysis Seminar, Wabash College, Crawfordsville, IN, USA

- 2018 Feb 5–9 “Borel Combinatorics and Ergodic Theory” Conference, Bernoulli Center, Lausanne, Switzerland
- 2018 Jan 10–13 First Mexico/USA Logic Fest, Instituto Tecnológico Autónomo de México, Mexico City, Mexico
- 2017 Sep 15–17 Simon Fest, Rutgers University, NJ, USA
- 2017 Jun 18–24 *Principal speaker* at the 41st Summer Symposium in Real Analysis, The College of Wooster, OH, USA
- 2017 Jun 5–9 Concentration Week on Ergodic Theory and Operator Algebras, Texas A&M University, TX, USA
- 2017 May 5–11 The 15th Annual Spring Institute: Noncommutative Geometry and Operator Algebras, Vanderbilt University, TN, USA
- 2017 Feb 11–19 “Set Theory” Workshop, Oberwolfach, Germany
- 2016 Dec 12–16 “Current Trends in Descriptive Set Theory” Workshop, Erwin Schrödinger Institute for Mathematics and Physics, Vienna, Austria
- 2016 Oct 20–23 “Set Theory” Workshop, University of Illinois at Chicago, IL, USA
- 2016 Sep 11–16 “Set Theory and Its Application in Topology” Workshop, Banff International Research Station, Oaxaca, Mexico
- 2016 Aug 38–Sep 3 “Measured Group Theory” Workshop, Oberwolfach, Germany
- 2016 Jul 31–Aug 6 “Set Theory” Special Session, Logic Colloquium 2016, Leeds, UK
- 2016 Mar 23 “Classification and Set Theory” Workshop, Institut Mittag-Leffler, Sweden
- 2015 Oct 30–Nov 1 Midwest Dynamical Systems Meeting, Ohio State University, OH, USA
- 2015 Aug 2–4 36th Semiannual Wasatch Topology Conference, Park City, UT, USA
- 2015 Jul 19–24 “Combinatorics Meets Ergodic Theory” Workshop, Banff International Research Centre, Banff, AB, Canada
- 2015 Mar 25–28 *Plenary speaker* at the North American Annual Meeting of the ASL, UIUC, Urbana-Champaign, IL, USA
- 2015 Mar 7 3rd Annual Midwest Women in Mathematics Symposium, Dominican University, IL, USA
- 2015 Feb 28–Mar 1 Spring Conference in Set Theory and Computability, University of Florida, Gainesville, FL, USA
- 2015 Jan 10–Feb 1 18th Very Informal Gathering (VIG) in honor of Tony Martin, UCLA Logic Center, Los Angeles, CA, USA
- 2014 June 2–6 “Logic, Dynamics, and Interactions 2”, University of North Texas, Denton, TX, USA
- 2014 May 24–28 “Ramsey Theory” Conference, University of Denver, Denver, CO, USA
- 2014 Apr 5–6 AMS Western Spring Sectional Meeting, University of New Mexico, Albuquerque, NM, USA
- 2014 Jan 12–18 “Set Theory” Workshop, Oberwolfach, Germany
- 2013 Oct 5–6 AMS Fall Southeastern Sectional Meeting, University of Louisville, Louisville, KY, USA
- 2013 May 8–11 ASL North American Annual Meeting, Waterloo, ON, Canada
- 2013 Mar 1–3 AMS Spring Southeastern Sectional Meeting, University of Mississippi, Oxford, MS, USA
- 2012 Oct 6–7 MAMLS Conference, Rutgers University, New Brunswick, NJ, USA
- 2012 Sep 10–14 “Applications to Operator Algebras” Workshop, Fields Institute, Toronto, ON, Canada

RESEARCH
VISITS AND
LONG-TERM
WORKSHOPS

Workshops

- 2018 Jun 3–30 Special semester on “Descriptive Set Theory and Polish Groups”, Bernoulli Center, Lausanne, Switzerland
- 2017 Aug 14–18 Workshop on “Nonstandard methods in combinatorial number theory”, American Institute of Mathematics, CA, USA
- 2016 Mar 14–Apr 29 Special semester on “Classification of operator algebras: complexity, rigidity, and dynamics”, Institut Mittag-Leffler, Djursholm, Sweden

Research visits

- 2018 Oct 29–Nov 25 Host: Alexander Kechris, Caltech, Pasadena, CA, USA
- 2018 Oct 15–21 Host: Clinton Conley, Carnegie Mellon University, Pittsburgh, PA, USA

2018 Sep 3–11	Host: Robin Tucker-Drob, Texas A&M, College Station, TX, USA
2018 Aug 29–Sep 1	Hosts: Lewis Bowen and Kate Juschenko, University of Texas, Austin, TX, USA
2018 Jul 28–Aug 1	Host: Miklós Abért, Rényi Institute of Mathematics, Budapest, Hungary
2017 Jun 1–4	Host: Andrew Marks, UCLA, Los Angeles, CA, USA
2017 May 27–Jun 1	Host: Alexander Kechris, Caltech, Pasadena, CA, USA
2016 Dec 4–11	Host: Benjamin Miller, Kurt Gödel Research Center for Mathematical Logic, University of Vienna, Vienna, Austria
2016 Jun 31–Jul 9	Host: Damien Gaboriau, École Normale Supérieure de Lyon, Lyon, France
2016 May 1–13	Host: Benjamin Miller, Kurt Gödel Research Center for Mathematical Logic, University of Vienna, Vienna, Austria
2016 Feb 21–26	Host: Justin Moore, Cornell University, Ithaca, USA

MENTORING **Postdocs**

2021 Sep–2022 Aug	[upcoming] <i>Ruiyuan (Ronnie) Chen</i> , CRM-SIMONS postdoctoral fellow, Centre de Recherches Mathématiques
2018 Aug–present	<i>Ruiyuan (Ronnie) Chen</i> , J.L. Doob Research Assistant Professor, Math. Dept., Univ. of Illinois at Urbana-Champaign

Ph.D. students

2020 Aug–present	<i>Matthew Bowen</i> , Math. & Stats. Dept., McGill University
2019 Jan–present	<i>Grigory Terlov</i> , Math. Dept., Univ. of Illinois at Urbana-Champaign
2018 May–present	<i>Jenna Zomback</i> , Math. Dept., Univ. of Illinois at Urbana-Champaign
2017 Jul–present	<i>Dakota Ihli</i> , Math. Dept., Univ. of Illinois at Urbana-Champaign
2015 Aug–2018 May	<i>Anton Bernshteyn</i> , Math. Dept., Univ. of Illinois at Urbana-Champaign

M.S. students

2017 Jul–2018 May	<i>Wei Dai</i> , M.S. student, Math. Dept., Univ. of Illinois at Urbana-Champaign
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Undergraduates

2021 Winter	<i>Ran Tao</i> , reading course in descriptive set theory and applications, Math. & Stats. Dept., McGill University
2019 Spring–2020 Spring	Faculty Mentor of the project “Pairs of Disjoint Matchings” at the Illinois Geometry Lab , Math. Dept., Univ. of Illinois at Urbana-Champaign

TEACHING **Topics courses (graduate)**

2019 Spring	<i>Countable Borel Equivalence Relations</i> , Math 595, Univ. of Illinois at Urbana-Champaign
2015 Spring	<i>Classification in Ergodic Theory</i> , Math 595, Univ. of Illinois at Urbana-Champaign

Graduate courses

2019 Fall	<i>Descriptive Set Theory</i> , Math 574, Univ. of Illinois at Urbana-Champaign
2018 Spring	<i>Set Theory</i> , Math 574–ST, Univ. of Illinois at Urbana-Champaign
2017 Fall	<i>Mathematical Logic</i> , Math 570, Univ. of Illinois at Urbana-Champaign
2017 Spring	<i>Real Analysis</i> , Math 540, Univ. of Illinois at Urbana-Champaign
2016 Fall	<i>Model Theory</i> , Math 571, Univ. of Illinois at Urbana-Champaign
2015 Fall	<i>Mathematical Logic</i> , Math 570, Univ. of Illinois at Urbana-Champaign
2014 Fall	<i>Mathematical Logic</i> , Math 570, Univ. of Illinois at Urbana-Champaign
2014 Spring	<i>Descriptive Set Theory</i> , Math 574–DST, Univ. of Illinois at Urbana-Champaign

Undergraduate courses

2021 Winter	<i>Algebra 2</i> , Math 236, McGill University
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2020 Fall *Mathematical Logic*, Math 318, McGill University
 2019 Spring *Set Theory and Topology*, Math 432, Univ. of Illinois at Urbana-Champaign
 2017 Fall *Fundamental Mathematics (Honors)*, Math 347H, Univ. of Illinois at Urbana-Champaign
 2017 Spring *Set Theory and Topology*, Math 432, Univ. of Illinois at Urbana-Champaign
 2015 Fall *Fundamental Mathematics*, Math 347, Univ. of Illinois at Urbana-Champaign
 2014 Fall *Elementary Real Analysis*, Math 444, Univ. of Illinois at Urbana-Champaign
 2013 Fall *Applied Linear Algebra*, Math 415, Univ. of Illinois at Urbana-Champaign
 2011 Fall *Calculus of Several Variables (Honors)*, Math 32AH, Univ. of California at Los Angeles

SERVICE

Editorial

2019 Jan–present *Editor*, [Mathematical Logic Quarterly](#), Wiley
 2017 Dec–present *Editor*, [Archive for Mathematical Logic](#), Springer

Publication reviews

A review of “C. T. Conley and B. D. Miller, A bound on measurable chromatic numbers of locally finite Borel graphs, *Math. Research Letters*, vol. 23, no. 6 (2016), pp. 1633–1644”, **The Bulletin of Symbolic Logic**, vol. 23 (2017), no. 3, pp. 334–336 [[pdf](#), [DOI](#)]

Refereeing

Discrete Mathematics (Elsevier)
 Ergodic Theory and Dynamical Systems (Cambridge University Press)
 Fundamenta Mathematicae (Polish Academy of Sciences)
 Journal of the AMS (American Mathematical Society)
 Journal of the EMS (European Mathematical Society)
 Journal of Symbolic Logic
 Proceedings of the AMS (American Mathematical Society)
 Notices of the AMS (American Mathematical Society)
 Studia Mathematica (Polish Academy of Sciences)

Conference and workshop organization

2023 May 22–26 Workshop “Measured Group Theory, Stochastic Processes on Groups, and Borel Combinatorics”, Centre International de Rencontres Mathématiques, Luminy, France
 2022 Mar 27–Apr 1 Banff Workshop “Interactions between Descriptive Set Theory and Smooth Dynamics”, Banff International Research Station, Banff, Canada
 2022 Jan 16–22 Oberwolfach Workshop 2203 “Groups and Dynamics: Topology, Measure, and Borel Structure”, Mathematical Research Institute of Oberwolfach, Germany
 2021 Jun 22–25 Special session “Set Theory”, *ASL Annual Meeting 2021*, USA (online)
 2021 Jan 8–9 Plenary talks, *ASL Winter Meeting 2021 with the JMM*, Washington DC, USA (online)
 2020 Dec 4–8 Special session “Logic and its applications”, *CMS Winter Meeting 2020*, Montréal, Canada (online)
 2020 Dec 3 Mini-course “The Lovász Local Lemma and its applications in ergodic theory and descriptive set theory” by Anton Bernshteyn, *CMS Winter Meeting 2020*, Montréal, Canada (online)
 2018 May 16–19 Special session “Set Theory”, *ASL North American Annual Meeting 2018*, Macomb, IL, USA
 2018 Jan 10–13 Plenary talks, *ASL Winter Meeting 2018 with the JMM*, San Diego, CA, USA

Seminar organization

2020 Fall–present *Descriptive Dynamics and Combinatorics* seminar, McGill University
 2018 Fall–2020 Spring *Descriptive Set Theory* seminar, Univ. of Illinois at Urbana-Champaign
 2016 Fall–2020 Spring *Logic* seminar, Univ. of Illinois at Urbana-Champaign
 2018 Spring *Operator Algebra and Descriptive Set Theory* joint learning seminar on “Cost and ℓ^2 -Betti numbers”, Univ. of Illinois at Urbana-Champaign
 2016 Fall–2018 Spring *Model Theory and Descriptive Set Theory* learning seminar, Univ. of Illinois at Urbana-Champaign

2015 Fall *Logic* seminar, Univ. of Illinois at Urbana-Champaign
 2015 Fall *Model Theory and Descriptive Set Theory* learning seminar, Univ. of Illinois at Urbana-Champaign
 2014 Spring *Descriptive Ergodic Theory* learning seminar, Univ. of Illinois at Urbana-Champaign
 2009 Spring *Logic* learning seminar on “Descriptive Complexity Theory”, Univ. of California at Los Angeles

Committees

2020–21 Undergraduate Affairs, Math. & Stats., McGill University
 2018–19 Strategic Planning, Mathematics, Univ. of Illinois at Urbana-Champaign
 2018–19 Graduate Recruiting and Application Screening, Mathematics, Univ. of Illinois at Urbana-Champaign
 2018–19 Comp Exams: Mathematical Logic (Math 570), Mathematics, Univ. of Illinois at Urbana-Champaign
 2017–18 Postdoc Search, Mathematics, Univ. of Illinois at Urbana-Champaign
 2017–18 Graduate Recruiting and Application Screening, Mathematics, Univ. of Illinois at Urbana-Champaign
 2017–18 Comp Exams: Mathematical Logic (Math 570), Mathematics, Univ. of Illinois at Urbana-Champaign
 2016–17 Honors Courses, Mathematics, Univ. of Illinois at Urbana-Champaign
 2016–17 Comp Exams: Real Analysis (Math 540), Mathematics, Univ. of Illinois at Urbana-Champaign
 2016–17 Comp Exams: Mathematical Logic (Math 570), Mathematics, Univ. of Illinois at Urbana-Champaign
 2015–16 Postdoc Search, Mathematics, Univ. of Illinois at Urbana-Champaign
 2015–16 Comp Exams: Mathematical Logic (Math 570), Mathematics, Univ. of Illinois at Urbana-Champaign

OLYMPIADS 2014 Jun *Second-place*, First Pan-Armenian Open Programming Contest, Yerevan, Armenia

NONACADEMIC 2004 Jul–2007 Mar *Software Engineer*, Ponté Solutions CJSC, Yerevan, Armenia
 JOBS Job description: programming in C++, graph-theoretic algorithms, computational geometry

LANGUAGES Armenian, English, Russian, very basic French