Djordje Milićević

Bryn Mawr College
Department of Mathematics
Park Science Center
101 North Merion Avenue
Bryn Mawr, Pennsylvania 19010–2899

Office: PSC 331
Phone: (610) 526-5354
Fax: (610) 526-6575

email: dmilicevic@brynmawr.edu
url: http://www.djordjemilicevic.com

Current position

2023-	*Professor*, Bryn Mawr College
'21-'24, '25-	Director of Graduate Studies in Mathematics, Bryn Mawr College

Areas of specialization

Analysis on Arithmetic Manifolds, Automorphic Forms, Analytic Number Theory

Appointments held

2024-2025	Member, Institute for Advanced Study
2018-2023	Associate Professor, Bryn Mawr College
2020	Guest/Research Fellow, Max-Planck-Institut für Mathematik, Bonn, Germany
2012-2018	Assistant Professor (tenure-track), Bryn Mawr College
2016	Guest/Research Fellow, Max-Planck-Institut für Mathematik, Bonn, Germany
2015-2016	Research Visitor, University of Melbourne, Australia
2011-2012	Guest/Research Fellow, Max-Planck-Institut für Mathematik, Bonn, Germany
2010-2011	Visiting Assistant Professor, Amherst College
2006-2010	T.H.Hildebrandt Research Professor/Assistant Professor, University of Michigan
2006	Clay Liftoff Fellow, Clay Mathematics Institute
2002-2006	Assistant in Research and Instruction, Princeton University
2000-2001	Assistant in Teaching and Research, Faculty of Mathematics, University of Belgrade

Education

2001-2006	Ph.D. in Mathematics, Princeton University (advisor: Peter Sarnak)
1996-2000	Dipl.Mat., Faculty of Mathematics, University of Belgrade, valedictorian
1992-1996	Mathematics High School in Belgrade, valedictorian, best student of the first 30 classes

Invited research visits

2023	Mathematisches Forschungsinstitut Oberwolfach, "Group Actions and Harmonic Analysis in Number Theory"
2020	Mathematisches Forschungsinstitut Oberwolfach, "Automorphic Forms and Arithmetic" (virtual)
2018	Director's Mathematician in Residence, Budapest Semesters in Mathematics
2017	Mathematisches Forschungsinstitut Oberwolfach, "Automorphic Forms and Arithmetic"
2017	Institute for Advanced Study, Princeton
2016	Texas A&M University at Qatar
'12,13,14,16	Georg-August-Universität Göttingen, Germany
2012,14	Institut Galileé, Université Paris 13, France
'08,12,18,24	Alfréd Rényi Institute of Mathematics, Hungarian Academy of Sciences
2011	Mathematisches Forschungsinstitut Oberwolfach, "The Analytic Theory of Automorphic Forms"
2011	École Polytechnique Fédérale de Lausanne, "Group Actions in Number Theory" semester
2010	Centre de Recherches Mathématiques and McGill University, Montréal
'09,10,11	University of Illinois at Chicago
2006	Centre de Recherches Mathématiques, Montréal
2000	Moscow State University, Faculty of Mathematics and Mechanics, student research
1998	Weizmann Institute of Science, Rehovot, Israel, summer research in the Karin Kupcinet International Summer School

Publications *&* talks

Journal articles

ORCID iD: 0000-0003-2422-8416, MR Author ID: 915372, arXiv: milicevic_d_1

2024	Farrell Brumley, Djordje Milićević, "Counting cusp forms by analytic conductor", *Annales scientifiques de l'École normale supérieure* 57:5 (2024): 1473–1596. DOI:10.24033/asens.2595, arXiv:1805.00633.
2024	Mikołaj Frączyk, Gergely Harcos, Péter Maga, Djordje Milićević, "The density hypothesis for horizontal families of lattices", *American Journal of Mathematics* 146:1 (2024): 107–160. DOI:10.1353/ajm.2024.a917540, arXiv:2007.13961.
2023	Valentin Blomer, Étienne Fouvry, Emmanuel Kowalski, Philippe Michel, Djordje Milićević, Will Sawin, "The second moment theory of families of L-functions", *Memoirs of the American Mathematical Society* 282 (2023), no. 1394, v+148 pp. ISBN:978-1-4704-5678-8 (print); 978-1-4704-7350-1 (online). DOI:10.1090/memo/1394, arXiv:1804.01450.
2023	Lindsay Dever, Djordje Milićević, "Ambient prime geodesic theorems on hyperbolic 3-manifolds", *International Mathematics Research Notices IMRN* 2023:1 (2023): 588–635. DOI:10.1093/imrn/rnab048, arXiv:2004.11774.
2022	Valentin Blomer, Gergely Harcos, Péter Maga, Djordje Milićević, "Beyond the spherical sup-norm problem", *Journal de Mathématiques Pures et Appliquées* 168 (2022): 1–64. DOI:10.1016/j.matpur.2022.09.009, arXiv:2107.05973.

2022 Rizwanur Khan, Djordje Milićević, Hieu T. Ngô, "Nonvanishing of Dirichlet L-functions. II", *Mathematische Zeitschrift* 300 (2022): 1603–1613.
DOI:10.1007/s00209-021-02821-8, arXiv:1911.10268.

2021 Djordje Milićević, Daniel White, "Twelfth moment of Dirichlet L-functions to prime power moduli", *Annali della Scuola Normale Superiore di Pisa, Classe di Scienze (5)* XXII:4 (2021): 1879–1898.
DOI:10.2422/2036-2145.201909_008, arXiv:1908.04833.

2020 Valentin Blomer, Gergely Harcos, Péter Maga, Djordje Milićević, "The sup-norm problem for GL(2) over number fields", *Journal of the European Mathematical Society* 22:1 (2020): 1–53.
DOI:10.4171/JEMS/916, arXiv:1605.09360.

2017 Valentin Blomer, Étienne Fouvry, Emmanuel Kowalski, Philippe Michel, Djordje Milićević, "On moments of twisted L-functions", *American Journal of Mathematics* 139:3 (2017): 707–768.
DOI:10.1353/ajm.2017.0019, arXiv:1411.4467.

2017 Valentin Blomer, Étienne Fouvry, Emmanuel Kowalski, Philippe Michel, Djordje Milićević, "Some applications of smooth bilinear forms with Kloosterman sums", *Proceedings of the Steklov Institute of Mathematics* 296:1 (2017): 18–29.
DOI:10.1134/S0081543817010023, arXiv:1604.07664.

2016 Rizwanur Khan, Djordje Milićević, Hieu T. Ngô, "Non-vanishing of Dirichlet L-functions in Galois orbits", *International Mathematics Research Notices IMRN* 2016:22 (2016): 6955–6978.
DOI:10.1093/imrn/rnv320, arXiv:1507.00111.

2016 Djordje Milićević, "Sub-Weyl subconvexity for Dirichlet L-functions to prime power moduli", *Compositio Mathematica* 152:4 (2016): 825–875.
DOI:10.1112/S0010437X15007381, arXiv:1407.4100.

2016 Valentin Blomer, Gergely Harcos, Djordje Milićević, "Bounds for eigenforms on arithmetic hyperbolic 3-manifolds", *Duke Mathematical Journal* 165:4 (2016): 625–659.
DOI:10.1215/00127094-3166952, arXiv:1401.5154.

2015 Valentin Blomer, Djordje Milićević, "p-adic analytic twists and strong subconvexity", *Annales scientifiques de l'École normale supérieure* 48:3 (2015): 561–605.
DOI:10.24033/asens.2252.

2015 Valentin Blomer, Djordje Milićević, "The second moment of twisted modular L-functions", *Geometric and Functional Analysis (GAFA)* 25:2 (2015): 453–516.
DOI:10.1007/s00039-015-0318-7, arXiv:1404.7845.

2015 Valentin Blomer, Djordje Milićević, "Kloosterman sums in residue classes", *Journal of the European Mathematical Society* 17:1 (2015): 51–69.
DOI:10.4171/JEMS/498, arXiv:1410.4538.

2011 Djordje Milićević, "Large values of eigenfunctions on arithmetic hyperbolic 3-manifolds", *Geometric and Functional Analysis (GAFA)* 21:6 (2011): 1375–1418.
DOI:10.1007/s00039-011-0144-5.

2010 Djordje Milićević, "Large values of eigenfunctions on arithmetic hyperbolic surfaces", *Duke Mathematical Journal* 155:2 (2010): 365–401.
DOI:10.1215/00127094-2010-058.

2021 Farrell Brumley, Didier Lesesvre, Djordje Milićević, "Conductor zeta function for the GL(2) universal family", arXiv:2105.02068.
Djordje Milićević, "The explicit Hardy-Littlewood-Atkinson formula in number fields", preprint.

Articles with students

2023 Djordje Milićević, Sichen Zhang, "Distribution of Kloosterman paths to high prime power moduli", *Transactions of the American Mathematical Society, Series B* 10 (2023): 636–669.
DOI:10.1090/btran/98, arXiv:2005.08865.

2019 Rizwanur Khan, Ruoyun Lei, Djordje Milićević, "Effective moments of Dirichlet L-functions in Galois orbits", *Involve, a Journal of Mathematics* 12-3 (2019): 475–490.
DOI:10.2140/involve.2019.12.475.

2025 Justine Dell, Djordje Milićević, "The shape of quadratic Gauss paths", arXiv:2508.21707.

2017 Yujie Li, Djordje Milićević, "p-adic sextic supercongruences of Ramanujan type".

Talks

2025 Workshop on the occasion of János Pintz's 75th birthday, Alfréd Rényi Institute of Mathematics (upcoming)

2025 Joint Princeton University/Institute for Advanced Study Number Theory Seminar

2025 The University of Texas at Dallas, Mathematical Sciences Colloquium

2024 Rutgers University, Number Theory Seminar

2024 University of Virginia, Ramanujan–Serre Seminar (Number Theory)

2024 Circle Method and Related Topics, International Centre for Theoretical Sciences, Tata Institute of Fundamental Research (ICTS-TIFR), Bengaluru

2024 Philadelphia Area Number Theory Seminar

2023 Number Theory Web Seminar

2023 Mathematisches Forschungsinstitut Oberwolfach, "Group Actions and Harmonic Analysis in Number Theory"

2022 Philadelphia Area Number Theory Seminar (2x)

2022 Automorphic Forms Conference, Erdős Center, Alfréd Rényi Institute of Mathematics

2021 Pennsylvania State University, Algebra and Number Theory Seminar

2021 Philadelphia Area Number Theory Seminar

2020 Rheinische Friedrich-Wilhelms-Universität Bonn, Oberseminar Analytic Number Theory (online)

2020 Max-Planck-Institut für Mathematik, Bonn, Number Theory Lunch Seminar (online)

2020 Mathematisches Forschungsinstitut Oberwolfach, Automorphic Forms and Arithmetic

2020 Online Conference in Automorphic Forms, Hungarian Academy of Sciences, Alfréd Rényi Institute of Mathematics

2020 London Number Theory Seminar, University College London

2020 58th Seminar Aachen–Bonn–Köln–Lille–Siegen on Automorphic Forms, RWTH Aachen

2020 Dynamics: Topology and Numbers, Hausdorff Research Institute for Mathematics

2019 Boston College Number Theory/Algebraic Geometry Seminar

2019 City University of New York, Graduate Center, Study Group in Number Theory

2019	Philadelphia Area Number Theory Seminar
2019	Rutgers University, Number Theory Seminar
2018	Philadelphia Area Number Theory Seminar
2018	Hausdorff Center for Mathematics, Bonn, lecture series in the summer school "L-Functions: Open Questions and Current Methods"
2018	32nd Automorphic Forms Workshop, Tufts University
2018	AMS Special Session "A Showcase of Number Theory in Liberal Arts Colleges", Joint Mathematics Meetings
2018	Serbian Academy of Sciences and Arts, Mathematical Institute, Colloquium
2017	Philadelphia Area Number Theory Seminar
2017	Québec–Vermont Number Theory Seminar, McGill University
2017	Mathematisches Forschungsinstitut Oberwolfach, Automorphic Forms and Arithmetic
2017	A.A.Karatsuba's 80th Birthday Conference in Number Theory, Steklov Mathematical Institute of the Russian Academy of Sciences and Lomonosov Moscow State University
2017	University of Chicago, Algebraic Geometry Seminar
2017	University of Pennsylvania, Galois Theory Seminar
2017	31st Automorphic Forms Workshop, East Tennessee State University
2017	AMS Special Session "An Amicable Combination of Algebra and Number Theory: A Dedication to Dr. Helen G. Grundman", Joint Mathematics Meetings
2017	MAA Invited Paper Session "L-Functions and Other Animals", Joint Mathematics Meetings
2016	University of Michigan, Group, Lie and Number Theory (GLNT) seminar
2016	Philadelphia Area Number Theory Seminar
2016	University of Bristol, Heilbronn Number Theory Seminar
2016	Georg-August-Universität Göttingen, Oberseminar Analytic Number Theory
2016	Ruprecht-Karls-Universität Heidelberg, Oberseminar Modular Forms
2016	Russian Academy of Sciences, Steklov Mathematical Institute, Contemporary Problems in Number Theory seminar
2016	Eidgenössische Technische Hochschule (ETH) Zürich, Number Theory seminar
2016	Universität Bielefeld, Arithmetic Geometry seminar
2016	Max-Planck-Institut für Mathematik, Bonn, Number Theory Lunch Seminar
2016	30th Automorphic Forms Workshop, Wake Forest University
2016	Texas A&M University at Qatar, Science Colloquium
2015	University of New South Wales, Sydney, Number Theory seminar
2015	University of Queensland, Brisbane, Mathematics Colloquium
2015	University of Melbourne, Algebra/Geometry/Topology seminar
2015	Philadelphia Area Number Theory Seminar
2015	Special Session on Interactions between Geometry, Group Theory, and Number Theory, American Mathematical Society, Sectional Meeting, Michigan State University
2015	University of Novi Sad, Analysis seminar
2015	29th Automorphic Forms Workshop, University of Michigan
2014	Swarthmore College, Mathematics and Statistics Colloquium
2014	Philadelphia Area Number Theory Seminar
2014	Workshop on Analytic Number Theory and Geometry, Université Paris 13
2014	The Ohio State University, Number Theory seminar

2014	Automorphic Forms and Arithmetic, Georg-August-Universität Göttingen
2013	State University of New York, University at Buffalo, Analysis seminar
2013	Modular Forms and Modular Integrals in Memory of Marvin Knopp, American Mathematical Society, Sectional Meeting, Temple University
2013	Villanova University, Mathematics & Statistics Colloquium
2013	Temple/Bryn Mawr Number Theory Seminar
2013	27th Automorphic Forms Workshop, University College Dublin
2012	Haverford College, Bi-Co Mathematics Colloquium
2012	Hungarian Academy of Sciences, Alfréd Rényi Institute of Mathematics, Number Theory seminar
2012	Institut Henri Poincaré, Paris
2012	Max-Planck-Institut für Mathematik, Bonn, Number Theory Lunch Seminar
2012	Georg-August-Universität Göttingen, Oberseminar Analytic Number Theory
2012	Stanford University, Number Theory seminar
2012	University of Texas at Austin, Algebra, Number Theory, and Combinatorics seminar
2012	Institute for Advanced Study, School of Mathematics, Princeton, Analysis serminar
2012	Bryn Mawr College, Bi-Co Mathematics Colloquium
2011	University of Copenhagen, Geometry and Analysis seminar
2011	Eidgenössische Technische Hochschule (ETH) Zürich, Number Theory seminar
2011	Universität zu Köln, Oberseminar Number Theory
2011	Serbian Academy of Sciences and Arts, Mathematical Institute, Colloquium
2011	École Polytechnique Fédérale de Lausanne, Centre Interfacultaire Bernoulli, Seminar
2011	Bryn Mawr College, Bi-Co Mathematics Colloquium
2010	Five College Number Theory seminar
2010	Princeton Workshop on Quantum Chaos: Arithmetic and Dynamics, Princeton University
2010	Amherst College, Mathematics Colloquium
2010	Bowdoin College, Mathematics Colloquium
2009	University of Michigan, Group Theory, Number Theory, and Representation Theory (GLNT) seminar
2008	University of Illinois at Chicago, Number Theory and Arithmetic Geometry seminar
2008	Hungarian Academy of Sciences, Alfréd Rényi Institute of Mathematics
2007	Johns Hopkins University, Number Theory seminar
2006	American Mathematical Society, Sectional Meeting, University of Connecticut
2006	University of Michigan, Number Theory seminar
2006	City University of New York, Graduate Center, Differential Geometry and Lie Theory seminar
2006	*L*-Functions and Related Themes, Analysis in Number Theory program, Centre de Recherches Mathématiques, Université de Montréal
2005	University of Texas at Austin, Number Theory seminar
2000	Serbian Academy of Sciences and Arts, Mathematical Institute

Reviews and invited contributions

2023	"Beyond the spherical sup-norm problem" (extended abstract, on joint work with Valentin Blomer, Gergely Harcos, Péter Maga), in "Group Actions and Harmonic Analysis

in Number Theory", *Oberwolfach Rep.* 22 (2023).
DOI:10.4171/OWR/2023/22

2020   "The Density Hypothesis for Horizontal Families of Lattices" (extended abstract, on joint work with Mikołaj Frączyk, Gergely Harcos, Péter Maga), in "Automorphic Forms and Arithmetic (hybrid meeting)", *Oberwolfach Rep.* 17:2–3 (2020).
DOI:10.4171/OWR/2020/26

2011-2018   *AMS Mathematical Reviews/MathSciNet* reviews: MR2661540 (Choi: Poincaré series and the divisors of modular forms), MR2726097 (Bernstein, Reznikov: Subconvexity bounds for triple L-functions and representation theory), MR2862393 (Zhang: A mean value related to D. H. Lehmer's problem and the Ramanujan's sum), MR2887612 (Munshi: A note on simultaneous nonvanishing twists), MR3003991 (Tang: A note on the Fourier coefficients of Hecke-Maass forms), MR3058727 (Dou/Zhang: Six short chapters on automorphic forms and L-functions), MR3283005 (Farmer, Koutsoliotas, Lemurell: Maass forms on GL(3) and GL(4)), MR3313407 (Jin, Lim: On the regularized imaginary Doi–Naganuma lifting), MR3347956 (Manickam, Meher, Ramakrishnan: Theory of newforms of half-integral weight), MR3369905 (Munshi: The circle method and bounds for L-functions—III: t-aspect GL(3) L-functions), MR3544415 (Tang, Xiao: Integral moments of automorphic L-functions), MR3632094 (Kaczorowski, Perelli: Twists and resonance of L-functions, II)

2017   "The sup-norm problem for GL(2) over number fields" (extended abstract, on joint work with Valentin Blomer, Gergely Harcos, Péter Maga), in "Automorphic forms and arithmetic", *Oberwolfach Rep.* 14:3 (2017).
DOI:10.4171/OWR/2017/40

2014   "1927: William Lowell Putnam Mathematical Competition", a section of "The Pi Mu Epsilon 100th Anniversary Problems: Part III", *Pi Mu Epsilon Jounal* 14:1 (2014): 65–99.

Grants, prizes, honors & fellowships

2024–2029   Simons Travel Support for Mathematicians (5 years), PI, Simons Foundation, Mathematical and Physics Sciences

2019–2024   Grant DMS-1903301: "Distribution and analytic aspects of cusp forms", PI, National Science Foundation, Division of Mathematical Sciences

2019   Simons Collaboration Grants for Mathematicians (5 years), PI, Simons Foundation, Mathematical and Physics Sciences (returned due to receipt of NSF award)

2019   Conference Grant DMS-1854113: "Workshop on Automorphic Forms and Related Topics", co-PI, National Science Foundation, Division of Mathematical Sciences

2019   Conference Grant: "33rd Automorphic Forms Workshop", co-PI, National Security Agency Mathematical Sciences Program

2015–2019   Grant DMS-1503629: "Arithmetic Manifolds, Automorphic Forms, Exponential Sums, and L-Functions", PI, National Science Foundation, Division of Mathematical Sciences

2016–2018   "Philadelphia Area Number Theory Seminar", Mellon Tri-College Faculty Forum Seed Grants (two years)

2015/16   Junior Faculty Research Leave, Bryn Mawr College

2014–   "Tri-College Mathematics Problem Seminar", project funded by Bryn Mawr College through the Andrew W. Mellon Foundation grant to BMC "Creating a Vital and Sus-

	tainable Curriculum for the 21st Century"
2014-2015	Young Investigator Grant H98230-14-1-0139: "Arithmetic Manifolds, *L*-Functions, and Analysis", PI, National Security Agency Mathematical Sciences Program
2012-	Start-Up Research Grant, K/G Fund for Faculty Research, Bryn Mawr College
2007	Spring/Summer Research Fellowship, University of Michigan, Department of Mathematics
2001-2006	Assistantship in research and instruction with summer support, full first-year fellowship, Princeton University
2001-2004	Studenica Foundation Fellowship
1999-2001	Fellowship of Serbian Academy of Sciences and Arts
1999	International Mathematics Competition for University Students, Grand First Prize
1997-1998	Annual Vojtěch Jarník Competition in Mathematics, two First Prizes
1997	International Mathematics Competition for University Students, First Prize
1995-1996	International Mathematical Olympiad, two Silver Medals
1996	International Olympiad in Informatics, Bronze Medal
1995-1996	Balkan Mathematical Olympiad, two First Prizes
1992-1996	Four first ranks at federal competitions in Mathematics, four first prizes at republic competitions in Mathematics, first prize (1996) at republic and federal competitions in Computer Science

Teaching experience

Bryn Mawr College

2012-	Math 102 Calculus II (Fall '13)
	Math 201 Multivariable Calculus (Fall '16)
	Math 203 Linear Algebra (2x Spring '21, Spring '23)
	Math 206 Transitions to Higher Mathematics (*Spring '26*)
	Math 290 Elementary Number Theory (Spring '13, Spring '15, Fall '18)
	Math 301 Real Analysis I (Fall '13, Fall '17, 2x Fall '21, 2x Fall '23, *Fall '25*)
	Math 302 Real Analysis II (Spring '14, Spring '18, Spring '19, Spring '22, Spring '24)
	Math 322 Functions of Complex Variables (Spring '24)
	Math 390 Number Theory (Fall '17, Spring '22)
	Math 395/396/702 Research Seminar (every semester since Fall '13)
	Math 398/399 Senior Conference (Fall '12, Spring '14, Fall '14, Spring '18)
	Math 400 Senior Thesis (Fall '21, Spring '22)
	Math 400 Senior Thesis (course coordinator: Spring '21; Spring '22)
	Math 403 Number Theory (independent study course, Fall '12)
	Math 501 Graduate Analysis I (Fall '12, Fall '14, Fall '16, Fall '18, Fall '22, *Fall '25*)
	Math 502 Graduate Analysis II (Spring '13, Spring '15, Spring '17, Spring '19, Spring '23, *Spring '26*)
	Math 522 Complex Analysis (Spring '24)
	Mathematics major advisor
2012-	Supervised Ph.D. theses of:
	Lujain Nsair (*in progress*)
	Lindsay Dever, Ph.D., 2022

Daniel White, Ph.D., 2021
Frank Romascavage, Ph.D., 2017

2016-	M.A. thesis advising (6 completed)
2013-	Undergraduate honors thesis advising
2014/15	Led the weekly Mathematics Problem Solving Seminar

Amherst College

2010-2011	Math 12 Intermediate Calculus (Fall '10)
	Math 13 Multivariable Calculus (Fall '10, Spring '11)
	Math 28 Introduction to Analysis (Spring '11)
	Math 98 Number Theory and Analysis (special topics course, Spring '11)
	Led a weekly practice seminar for the William Lowell Putnam examination (Fall '10)
	Mentored independent reading courses in Number Theory and Linear Algebra

University of Michigan

2006-2010	Math 214 Linear Algebra and Differential Equations (Fall '06)
	Math 217 Linear Algebra (Winter '07, Fall '09, Winter '10)
	Math 289 Problem Seminar (Fall '08, Winter '09, Fall '09, Winter '10); Michigan ranked in top 10 in the 2008 Putnam exam (first since 1999)
	Math 475 Elementary Number Theory (Fall '07)
	Math 476 Computational Laboratory in Number Theory (Fall '07)
	Math 575 Introduction to the Theory of Numbers (Fall '08)
	Math 775 Topics in Analytic Number Theory (Families of Automorphic L-functions, Winter '08)
	Integrated computer laboratory components and developed proof-writing modules, collaborative learning, and one-on-one mentoring in Linear Algebra courses
2009	Mentored an REU project on subconvexity of L-functions
2007-2008	Mentored independent reading/final papers in Number Theory courses

Princeton University

2002-2006	Mat 103 Calculus (Fall '03/'04)
	Mat 104 Calculus (Fall '02/'03, Spring '03)
	Mat 202 Linear Algebra with Applications (Spring '04)
	Mat 214 Numbers, Equations and Proofs (grader)
2001-2006	Led, organized and taught practice seminar for Princeton students entering the William Lowell Putnam Examination. Princeton finished second three times during this five-year period and won for the first time in 2006
2001-2004	VIGRE mentoring program graduate mentor

Belgrade

2000-2001	Teaching Assistant at the Faculty of Mathematics, University of Belgrade: co-taught courses and conducted exams in Analysis I, Distributions and Partial Differential Equations, Mathematical Logic, Mathematical Logic in Computer Science

2000-2001	Geometry II (Trigonometry, space geometry, descriptive geometry), Mathematics High School, Belgrade
1996-2001	Trained Yugoslav teams for international mathematical competitions and coordinated the yearlong effort; lectured on a wide variety of extracurricular topics for talented students

Service to the profession

Problem solving

2014-2018	Co-organizer of the Tri-College Problem Solving Seminar
2011-2014	William Lowell Putnam Examination, member of the three-person Questions Committee, Chair of the Questions Committee (2013), authored nine original problems used in the 2011, 2012, and 2013 competitions
2010-2013	Grading the William Lowell Putnam Examination
2000-2009	International Mathematics Competition for University Students: served on the High Jury and as a team leader in seven competitions, for the University of Michigan ('08, '09), Princeton University ('04, '05, '06), and the University of Belgrade ('00, '01), member of the Problem Selection Comittee ('01, '04, '08, '09), chaired the jury meetings ('08), authored eight problems used in the competitions
2006-2011	Prepared problem seminar materials for future instructors at Michigan and Amherst
2010	Graded Williams–Middlebury Green Chicken Mathematics Contest
2007-2010	Graded Michigan Mathematics Prize Competition
2000-	Member, Serbian Commission for high school competitions in Mathematics

Popular and outreach talks

2018	"Why are drums shaped by number theory sometimes louder than others?", Budapest Semesters in Mathematics colloquium
2017	Invited visiting mathematician and lecturer, Canada/USA Mathcamp
2017	"Why are drums shaped by number theory sometimes louder than others?", plenary talk in the REU program, Muhlenberg College
2016	Keynote presentation on the occasion of the 50th anniversary of the Mathematics High School, Belgrade
2011	"What is... an L-function?", "Mathematics Alive" undergraduate seminar, Mathematical Institute, Belgrade
2009	"What is... a modular form?", Mathematics High School, Belgrade
2008	"The smallest uncountable ordinal and other tales", Undergraduate Math Club, University of Michigan
2008	"Transcendental numbers", Undergraduate Math Club, University of Michigan

Peer review

2025-	Managing editor of the *Journal of Experimental Mathematics*, jexpmath.org, ISSN 3069-1125
2004-	Refereeing service for *Algebra & Number Theory*, *Acta Arithmetica*, *Advances in Mathematics*, *American Mathematical Monthly*, *Annales de l'Institut Fourier*, *Archiv der Mathematik*,

Bulletin of the London Mathematical Society, *Compositio Mathematica*, *Duke Mathematical Journal*, *Forum of Mathematics Pi*, *Forum of Mathematics Sigma*, *International Mathematics Research Notices IMRN*, *Inventiones Mathematicae*, *Israel Journal of Mathematics*, *Journal d'Analyse Mathématique*, *Journal de l'Institut de Mathématiques de Jussieu*, *Journal of the American Mathematical Society*, *Journal of the European Mathematical Society*, *Journal of the London Mathematical Society*, *Journal of Number Theory*, *Manuscripta Mathematica*, *Mathematika*, *Mathematische Annalen*, *Proceedings of the American Mathematical Society*, *Research in Number Theory*, *The Ramanujan Journal*

2025	Expert reviewer for the National Research, Development and Innovation Office, Research Excellence Council of Hungary
2020	Remote referee for the European Research Council
2016	National Science Foundation Review panel, Division of Mathematical Sciences
2015	External reviewer for the American Mathematical Society–National Security Agency Mathematical Sciences Grant Program
2013	External reviewer for the National Sciences and Engineering Research Council of Canada (NSERC)
2011-2018	Reviewing service for *Mathematical Reviews*

Committee work

2025	Serving on an ad hoc tenure and promotion review committee, Bryn Mawr College
2023-2024	Served on the search committee for two tenure-track positions in Philosophy, Bryn Mawr College
2021-	Served on the Graduate Council, Bryn Mawr College (Co-Chair '21/'22, '22/'23, '23/'24)
2021	Led the working committee of faculty and graduate students to reform the preliminary exams and advancement to Ph.D. candidacy in Mathematics, Bryn Mawr College
2021	Served on the Advisory Council of the Faculty, Bryn Mawr College
2021	Served on the Selection Committee for the next Dean of Graduate Studies, Bryn Mawr College
2019	Served on a doctoral defense committee in Mathematics, University of Illinois at Chicago
2018-2019	Served on the Search committee for the new Science Librarian and Coordinator of the Collier Science Library, Bryn Mawr College
2018-2021	Committee on Libraries, Information and Computing (CLIC), Bryn Mawr College
2017-2020	Faculty Representative to the Administrative Board of the Academic Honor System, Bryn Mawr College
2017	Served on a doctoral defense committee in Mathematics, Drexel University
2014-2015	Served on the Committee on Endowed Lectures, Bryn Mawr College
2012-	Served on search committees for five tenure-track and one visiting faculty positions in Mathematics, Bryn Mawr College
2012-	Served on four doctoral defense committees, nine doctoral preliminary examination committees in Mathematics and Physics, and annual Honors and A.B./M.A. defense committees in Mathematics, Bryn Mawr College
2013	Swarthmore College Honors Program, outside examiner for Complex Analysis
2010-2011	Served on the comprehensive senior examination committee, Amherst College
2009-2010	Served as a lead member on the committee to reform the gateway Linear Algebra course at the University of Michigan. Mentored teaching assistants involved in the project,

fine-tuned the curriculum, and developed a problem bank and ready-to-use models for future instructors.

2007-2010   Served on four doctoral defense committees, two preliminary examination committees in Mathematics, University of Michigan

Organizer service

2019   Co-organizer of the 33rd Automorphic Forms Workshop

2018   Co-organizer of the summer school "L-Functions: Open Questions and Current Methods", Hausdorff Center for Mathematics, Bonn, Germany

2015–   Co-organizer of the annual Philadelphia Undergraduate Mathematics Conference Series

2014-   Co-organizer of the Philadelphia Area Number Theory Seminar

2012-2019   Bryn Mawr College organizer for the Bi-Co Mathematics Colloquium (apart from research leave in 2015/16)

Professional development and mentoring

2022   Graduate student mentoring feedback panel, Graduate Group in Sciences and Mathematics, Bryn Mawr College

2022   Publishing Research Papers panel, Professional Development Seminar series of the Graduate Group in Sciences and Mathematics, Bryn Mawr College

2021,22   Graduate teaching assistant orientation, co-leader of the session for the Graduate Group in Sciences and Mathematics, Bryn Mawr College

2018   Academic Job Search panel for science and engineering graduate students, The Graduate School, Princeton University

2018   Graduate school Q&A panel, Budapest Semesters in Mathematics

2018   Panel on mathematical careers, Hausdorff Center for Mathematics, Bonn, summer school "L-Functions: Open Questions and Current Methods"

2017   Professional development panel on postdoctoral positions, Bryn Mawr College Graduate Group in Sciences and Mathematics

2017   Moderator of the professional development session, Philadelphia Undergraduate Mathematics Conference Series

2017   Professional development panel on "Good Mathematical Writing", 31st Automorphic Forms Workshop, East Tennessee State University

2016   Professional development panel on "Balancing Professional Responsibilities", 30th Automorphic Forms Workshop, Wake Forest University

2015   Professional development panel on "Mathematics with +1's and ε's", 29th Automorphic Forms Workshop, University of Michigan

2013   Panel participant in the New Faculty Orientation program, Bryn Mawr College

2013   Professional development panel on "Tenure expectations for mathematicians around the world", 27th Automorphic Forms Workshop, University of Dublin

2008   Breakout session on "Classes outside the 'Intro program' ", Professional Development Program, University of Michigan, Department of Mathematics

2006   Graduate School Discussion Panel, Undergraduate Math Club, University of Michigan

Further service

2016	Prepared and led an invited session of the Philadelphia Area Math Teachers' Circle
2013,16	Freshman Customs Week faculty adviser, Bryn Mawr College
2016	Customs Week panel on Academic Honor Code, Bryn Mawr College
2014-	Pre-doctoral and doctoral mentor, National Alliance for Doctoral Studies in the Mathematical Sciences
2004-2006	Maintained the graduate general examinations web site for Mathematics Department, Princeton University
2003-2004	Organized and gave talks in a graduate student learning seminar on representation theory of semisimple groups, after Knapp's book
2002-2003	Organized and gave talks in a graduate student learning seminar on Jacquet–Langlands GL(2) theory, after Godement's notes

Memberships

2002-	American Mathematical Society
2015-	Association for Women in Mathematics
2010-2018	Mathematical Association of America

Additional conferences attended

Research

2022	50 Years of Number Theory & Random Matrix Theory Conference, Institute for Advanced Study (IAS) (remote)
2022	34th Automorphic Forms Workshop, Brigham Young University
2021	Harmonic Analysis and Symmetric Spaces 2021
2017	Recent developments in Analytic Number Theory, Mathematical Sciences Research Institute (MSRI)
2016	Cohomology of Arithmetic Groups, Max-Planck-Institut für Mathematik, Bonn
2016	L-Functions and Automorphic Forms, Mathematics Center Heidelberg and Ruprecht-Karls-Universität Heidelberg, Germany
2015	Number Theory Down Under 2015, Centre for Computer-Assisted Research Mathematics and its Applications (CARMA), University of Newcastle, Australia
2014	Analysis, Spectra & Number Theory, Princeton University and Institute for Advanced Study (IAS) (session chair)
2014	Summer School on Analytic Number Theory, Institut des Hautes Études Scientifiques (IHÉS), Paris, France
2014	AMS/MAA Joint Mathematics Meetings, Baltimore
2013	Analytic Number Theory, Centre International de Rencontres Mathématiques (CIRM), Marseille, France
2013	Combinatorics, Multiple Dirichlet Series and Analytic Number Theory; Automorphic Forms, Combinatorial Representation Theory and Multiple Dirichlet Series program, Institute for Computational and Experimental Research in Mathematics (ICERM), Brown University

2012	Marvin Knopp Memorial Conference, Temple University
2012	Modular Forms, Mock Theta Functions, and Applications, Universität zu Köln
2010	International Conference on Spectral Geometry, Dartmouth College
2010	AMS/MAA Joint Mathematics Meetings, San Francisco
2008	Clay Research Conference, Massachussetts Institute of Technology
2008	The Midwest Number Theory Days, University of Illinois at Chicago
2005	Equidistribution in Number Theory, Séminaire de Mathématiques Supérieures/NATO Advanced Study Institute, Université de Montréal
2004	Matrix Ensembles and L-functions, Random Matrix Approaches in Number Theory programme, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK
2004	Workshop on Spectral Theory and Automorphic Forms, Université de Montréal
2003	The Web of Modularity, University of Illinois at Urbana-Champaign
2003	Additive Number Theory and Applications to Harmonic Analysis, CUNY Graduate Center
2003	Number Theory Workshop, Brown University
2002	Automorphic Forms and Applications, Graduate Summer School, IAS/Park City Mathematics Institute
2002	Workshop on Zeta-functions and associated Riemann Hypotheses, Courant Institute of Mathematical Sciences, New York University
2001	10$^{\text{th}}$ Congress of Yugoslav Mathematicians, Belgrade

Professional

2023	Mobilizing the Power of Diversity, Enhancing Diversity in Graduate Education (EDGE), Bryn Mawr College
2022	Rethinking Graduate Admissions in the Mathematical Sciences, American Mathematical Society
2021	Graduates Achieving Inclusion Now (GAIN), Duke and Purdue Universities
2021	paraDIGMS: Diversity in Graduate Mathematical Sciences, Spring 2021 conference, American Mathematical Society and Institute for Mathematical and Statistical Innovation