

Contact and Personal Information

Education

Jan 2013, Warwick University , UK	Ph.D. in Mathematics
Jun 2008, Genoa University , Italy	M.Sc. in Mathematics
Jun 2006, Genoa University , Italy	B.Sc. in Mathematics

Professional Positions

Aug 2022 – present, University of Virginia , Associate Professor
Aug 2016 – Jul 2022, University of Virginia , Assistant Professor
Sep 2013 – Jul 2016, Brown University , Tamarkin Assistant Professor
Jan 2015 – May 2015, MSRI , Huneke Endowed Postdoctoral Fellow
Sep 2012 – Aug 2013, University of Paris-Sud 11 , Postdoctoral Fellow
Apr 2012 – Aug 2012, University of Toulouse , Postdoctoral Fellow

Extended Visits

Jan – May 2026, MSRI/SLMath , <i>Geometry and Dynamics for Discrete Subgroups of Higher Rank Lie Groups</i> , Research Professor.
May–July 2025, IHP <i>Higher rank geometric structures</i> .
Jan – May 2015, MSRI , <i>Dynamics on moduli spaces of geometric structures</i> .
Sep – Dec 2013, ICERM , <i>Low-dimensional Topology, Geometry, and Dynamics</i> .
Feb – Mar 2013, Osaka University , JSPS Postdoctoral Fellowship (Short Term).
Jan – Mar 2012, IHP , Paris, <i>Geometry and analysis of surface group representations</i> .
Jun – Aug 2010, NUS , Singapore, <i>Geometry, Topology and Dynamics of Character Varieties</i> .

Selected Awards & Honors

1. *2025 Simons Fellow in Mathematics*, Simons Foundation, 2025.
2. *CTE Thrive Project*, University of Virginia, 2025.
3. *Institute of Advanced Studies Visiting Fellowship*, Università di Bologna, 2025.
4. *2025 Qube RT Welcome Package grant*, IHP Foundation, 2025.
5. *Leadership in Academic Matters (LAM)*, UVA, 2025.
6. *4-VA Collaborative Research Grant Award*, 2024.
7. *2024 Frontier of Science Award*, ICBS, 2024.
8. *LTi Grant*, UVA, 2023-24, 2024-25.
9. *Advance Fellow*, University of Virginia, 2022-25.
10. *College Fellow*, University of Virginia, 2022-25.
11. *Thomas Jefferson Fund Award*, Face Foundation, 2022-25.
12. *Mead Endowed Professor*, University of Virginia, 2022-23.

13. NSF CAREER Research Grant DMS-1848346, 2019–2025.
14. NSF RTG Research Grant DMS-1839968 (co-PI), 2019–2026.
15. All-University Teaching Award, University of Virginia, 2020.
16. NSF Research Grant DMS-1506920, 2015–2016, and DMS-1650811, 2016–2020.
17. NSF INCLUDES WATCH US Grant, 2017–2018.
18. Directed Reading Program (DRP) Seed Funding, DRP Network, 2018, 2019.
19. DDI (Directors of Diversity and Inclusion) Grant, UVa, 2017, 2018, 2019, 2020.
20. Page Barbour Grant, UVa, 2017–2018.
21. MSRI Huneke Endowed Postdoctoral Fellow, 2015.
22. AMS Simons Travel Grant, 2014–2016.
23. AWM-NSF Travel Grant, 2014.
24. Warwick Mathematics Institute Alumni Scholarship, Warwick University, 2008–2012.

Research Interests

Deformation spaces of geometric structures, Hyperbolic and AdS geometry, complex projective structures, Kleinian groups, Quasi-Fuchsian space.

Dynamics on character varieties.

Higher Teichmüller theory, Anosov representations.

Publications & Preprints

0. S. Maloni, *Slices of Quasifuchsian space*, Ph.D. thesis (2013).
Published:
1. S. Maloni, B. Pozzetti, *Geometric limits of cyclic Anosov representations in rank one*, to appear in **Algebraic and Geometric Topology** (2022).
2. F. Bonsante, J. Danciger, S. Maloni, J.-M. Schlenker, *Quasicircles and width of Jordan curves in $\mathbb{C}P^1$* , **Bulletin of the London Mathematical Society** 53, 507–523, (2021).
3. F. Bonsante, J. Danciger, S. Maloni, J.-M. Schlenker, *The induced metric on the boundary of the convex hull of a quasicircle in hyperbolic and anti de Sitter geometry*, **Geometry and Topology** 25 (6), 2827–2911, (2021).
4. S. Maloni, *\mathcal{C} -gluing construction and slices of quasi-Fuchsian space*, **Geometriae Dedicata** 212(1), 107–139 (2021).
5. S. Maloni, F. Palesi, T. Yang, *On type-preserving representations of the three–holed projective plane*, to appear in **Journal of Differential Geometry** (2022).
6. S. Maloni, F. Palesi, *On the character varieties of the three–holed projective plane*, **Conformal Geometry and Dynamics** 24, 68–108, (2020).
7. J. Danciger, S. Maloni, J.-M. Schlenker, *Polyhedra inscribed in quadrics*, **Inventiones Mathematicae** 121 (1), 237–300, (2020).
8. S. Maloni, F. Palesi, S. P. Tan *On the character varieties of the four–holed sphere*, **Groups, Geometry, and Dynamics** 9 (3), 737–782, (2015).
9. S. Maloni, *Asymptotic directions of pleating rays in the Maskit embedding*, **Conformal Dynamics and Hyperbolic Geometry**, AMS Contemporary Mathematics, 159–181, (2012).
10. S. Maloni, C. Series, *Top terms of polynomial traces in Kra’s plumbing construction*, **Algebraic and Geometric Topology** 10 (3), 1565–1607, (2010).
Preprint/Accepted:
11. S. Maloni, G. Martone, F. Mazzoli, T. Zhang, *Topology of the space of d -pleated surfaces*, arXiv:2508.04813 (2025).
12. T. Aougab, H. Bray, S. Dowdall, H. Hoganson, S. Maloni, B. Whitfield, *Constructing reducibly geometrically finite subgroups of the mapping class group*, arXiv:2501.13234 (2025).
13. S. Lawton, S. Maloni, F. Palesi, *Dynamics on the $SU(2,1)$ -character variety of the one-hole torus*, arXiv:2402.10838 (2024), to appear in *Moduli*.
14. S. Maloni, G. Martone, F. Mazzoli, T. Zhang, *d -pleated surfaces and their shear-bend coordinates*, arXiv:2305.11780 (2023).

15. D. Alessandrini, S. Maloni, N. Tholozan, A. Wienhard, *Fiber bundles associated with Anosov representations*, arXiv:2303.10786 (2023), to appear in *Forum of Mathematics, Sigma*.
 16. J. Danciger, S. Maloni, J.-M. Schlenker, *Higher signature Delaunay decompositions*, arXiv:1602.03865, (2016).
- In preparation:**
17. S. Maloni, G. Martone, F. Mazzoli, T. Zhang, *Topology of the space of d -pleated surfaces*, in preparation.
 18. S. Maloni, T. Weisman, *Extended Convergence Group Actions and Combination Theorems*, in progress.
 19. D. Chasteen-Boyd, S. Lawton, S. Maloni, F. Palesi, *Ergodic action of the mapping class group on moduli spaces of representation of non-orientable surfaces*, in progress.
 20. T. Aougab, H. Bray, S. Dowdall, S. Maloni, H. Hoganson, B. Whitfield, *Geometrically Finite Pseudo-Anosov subgroups of fibered 3-manifold groups*, in progress.
 21. F. Gueritaud, S. Maloni, *Bending lamination theorem for punctured-torus groups in anti-de Sitter space and geometric transition*, in progress.

Mentoring

Postdocs:

- Filippo Mazzoli, 2020-23.
- Beth Branman, 2022-23.

Graduate Students:

- Alec Traaseth, 2019–24.
- David Chasteen-Boyd, 2021–present.
- Mason Hart, 2022–present.
- Adam Friedman-Bown, 2022–present.
- Zivile Puospekaite, 2022–present.
- Lam Nguyen, 2023–present.
- Aarattrick Basu, 2024–present.

Master Students:

- Mason Barnes, M.Sc., 2023–24.
- John Harnois, M.Sc., 2021-22.

Undergraduate Students (Distinguished Major Thesis - DMP):

- Mason Barnes, Distinguished Major Program (DMP) Thesis, 2022-23.
- Trent Lucas, Distinguished Major Program (DMP) Thesis, 2019-20.

Thesis Committee:

- Casandra Monroe, PhD, 2025, University of Texas at Austin.
- Viola Giovannini, PhD, 2025, University of Pisa and University of Luxembourg.
- Arielle Marc-Zwecker, PhD, 2025, University of Grenoble.
- Farid Diaf, PhD, 2025, University of Grenoble.
- Suzanne Schlich, PhD 2023, University of Strasbourg.
- Andrew Will, PhD, 2023.
- William Winston, DMP, 2022.
- Peter Johnson, PhD, 2022.
- Ian Runnels, PhD, 2021.
- Sebastian Haney, DMP, 2020
- Mariano Echeverria, PhD, 2019.
- Andrea Tamburelli, PhD, 2018.
- Jonathan Simone, PhD, 2018.

Undergraduate Students:

- Alec Traaseth, 2018-19
- Brandon Ward, 2019.
- Joseph Snitzer, 2018.
- Fernanda Yepez-Lopez, 2018.

Other mentoring:

- Thu Ho, undergraduate student at Ho Chi Minh University of Science, Vietnam, 2022-25.
- Brianna (Bri) Mills, graduate student in Astronomy, Mentoring Institute at UVa, 2018-23.
- Elaine Danielson, undergraduate student at the University of Florida, AWM mentee, 2015-22.
- Xinle (Clair) Dai, graduate student at Harvard University, AWM mentee, 2015-22.

- Rayanatou Keita, undergraduate student at UCR, F-GAP student, 2018-19.

Teaching Experience

University of Virginia:

- *Spring 24*: Reading course “Anosov Representations, AdS Geometry, Metrics on Teichmüller space”.
- *Spring 24*: Engagement class – Humanizing Mathematics (2 sections).
- *Fall 24*: Kleinian groups (graduate class).
- *Fall 24*: Survey of Algebra.
- *Spring 24*: Reading course “Compactification Teichmüller space, Dynamics on Character Varieties”.
- *Spring 24*: Engagement class – Humanizing Mathematics.
- *Fall 23*: Reading course “Mapping class group, Teichmüller space and measured laminations/foliations”.
- *Fall 23*: Engagement class – Humanizing Mathematics (2 sections).
- *Spring 23*: Engagement class – Humanizing Mathematics.
- *Fall 22*: Engagement class – Humanizing Mathematics (2 sections).
- *Summer 22*: Reading course “Hyperbolic Geometry”.
- *Spring 22*: Introduction to Mathematical Research.
- *Fall 21*: Reading course “Moduli spaces of Higgs bundles and the Kobayashi-Hitchin correspondence”.
- *Fall 21*: Seminar on College Teaching (graduate class).
- *Fall 21*: Survey of Algebra.
- *Spring 21*: Reading course “Anosov Representations (part II)”.
- *Spring 21*: Kleinian groups (graduate class).
- *Spring 21*: Elementary Linear Algebra.
- *Fall 20*: Reading course “Anosov Representations (part I)”.
- *Summer 20*: Reading course “The geometry of Teichmüller space”.
- *Spring 20*: Riemannian Geometry (graduate class).
- *Spring 20*: Elementary Linear Algebra.
- *Fall 19*: Distinguished Major Program Advising of Trent Lucas.
- *Spring 19*: Introduction to Mathematical Research.
- *Fall 18*: Reading course “Mapping class group, Teichmüller space and measured laminations/foliations”.
- *Fall 18*: Hyperbolic Geometry and Geometric structures (graduate class).
- *Spring 2018*: Reading course “Geometrization of 3-manifolds”.
- *Spring 2018*: Elementary Linear Algebra.
- *Fall 2017*: Hyperbolic Geometry and Geometric Structures (graduate class).
- *Spring 2017*: Survey of Algebra.
- *Fall 2016*: Calculus I.

Brown University:

- *Spring 2016*: Linear Algebra.
- *Fall 2015*: Algebraic Topology (graduate class).
- *Fall 2015*: Functions of several variables.
- *Fall 2014*: Reading course “Cluster algebras and geometric applications”.
- *Fall 2014*: Algebraic Topology (graduate class).
- *Fall 2014*: Functions of several variables.
- *Spring 2014*: Linear Algebra (2 sessions).
- *Fall 2013*: Functions of several variables.

University of Paris XI, Orsay:

- *Fall 2012*: PeiP1, Polytech’ Paris-Sud 11.
- *Fall 2012*: Reading course “Higher Teichmüller-Thurston Spaces”.

University of Warwick:

- Introduction to Topology (TA), *Fall 2011*.
- Experimental Maths (TA), *Summer 2009, Summer 2010, Summer 2011*.
- Three manifolds (TA), *Spring 2011*.
- Knot Theory (TA), *Spring 2009, Spring 2010, Spring 2011*.
- Hyperbolic Geometry (TA), *Spring 2009, Spring 2010, Spring 2011*.
- Mathematical Excursions (TA), *Fall 2010*.
- Geometry (TA), *Fall 2008, Fall 2009, Fall 2010*.
- Vector analysis (TA), *Fall 2009*.
- *Fall 2011 - Spring 2012*: Reading course “Ending Lamination Theorem (part I and II)”.

– *Fall 2010*: Reading course “Geodesic laminations on surfaces”.

Invited talks

Conferences

1. Conference on hyperbolic geometry and higher Teichmüller theory, Pisa, Apr 28 - May 3, 2025.
2. Lorentzian, Affine, and Hyperbolic Differential Geometry - in Memory of Todd Drumm, Brin Mathematics Research Center, UMD, Apr 7-9, 2025.
3. New trends in Teichmüller theory, ICTS Bangalore, Feb 24 - Mar 7, 2025.
4. AMS Special Section Geometry, Topology, and Dynamics of character varieties, UCR, Oct 26-27, 2024.
5. 20 years of Anosov representations, MPI for Mathematics in the Sciences in Leipzig, Oct 7 - 11, 2024.
6. Big Ideas in Dynamics Conference, UIC, Sep 28-29, 2024.
7. Diverse Aspects of Groups, Geometry and Dynamics, Heidelberg, Sep 18-20, 2023.
8. Characters and Moduli of Surfaces, Kyoto University, Japan, July 17-19, 2023.
9. Group actions and low-dimensional topology, El Barco de Avila, Spain, July 3-7, 2023.
10. Homogeneous Dynamics and Geometry in Higher-Rank Lie Group, IHES, France, June 19-23, 2023.
11. Burton Jones Conference, May 14, 2022.
12. 2022 Cornell Topology Festival, Cornell, May 6-8, 2022.
13. Geometry of discrete actions, ICTP, Trieste, Italy, Aug 24 - Sep 4, 2020 (postponed).
14. Conference on hyperbolic geometry and geometric group theory, Barco de Avila, Spain, June 15-19, 2020 (postponed).
15. Characters and Moduli of Surfaces, Nara University, Japan, June 8-10, 2020 (postponed).
16. 88th Congress of ACFAS (Association Canadienne-Française pour l'Avancement des Sciences), Sherbrooke, May 5-6, 2020 (postponed).
17. International workshop on Higher Teichmüller theory, Nankai University, China, April 20-24, 2020 (postponed).
18. BIRF Workshop Discrete Subgroups of Lie Groups, Banff, December 8-13, 2019.
19. Holomorphic Differentials in Mathematics and Physics, MSRI, November 18-22, 2019.
20. AMS Special Session “Geometric Structures on Manifolds”, University of Florida, Nov 2-3, 2019.
21. Ventotene IV: Of coarse! Quasi-isometry and groups: rigidity and classification, Sep 9-14, 2019.
22. Combinatorial and algebraic aspects of geometric structures, Chiang Mai, Thailand, July 22-26, 2019.
23. Dubrovnik IX - Geometric Topology, Geometric Group Theory and Dynamical Systems, Dubrovnik, June 24-28, 2019.
24. Higher-Teichmüller theory and geometric structures, Pavia, June 3-7, 2019.
25. Graduate Summer School on the Mathematics and Physics of Hitchin Systems, May 27-31, 2019.
26. Current trends on spectral data for Higgs bundles V, May 25-26, 2019.
27. Geometry and Physics of Higgs Bundles, Oberwolfach, May 12-18, 2019.
28. AMS Special Session “Mapping Class Groups”, Hawaii, March 22-24, 2019.
29. AMS Special Session “Topics at the Interface of Analysis and Geometry”, Hawaii, March 22-24, 2019.
30. Geometric structures in Nice, University of Nice, France, January 14-18, 2019.
31. Conference Higgs bundles and related topics, Argentina, December 17-21, 2018.
32. Current trends on spectral data for Higgs bundles, University of Oxford, England, Nov 17-18, 2018.
33. Workshop on Geometry of Teichmüller Space, Fields Institute, Toronto, August 27-31, 2018.
34. Diversity in Mathematics, University of British Columbia, Vancouver, Canada, August 7-17, 2018.
35. Pseudo-Riemannian geometry and Anosov representations, Luxembourg, June 11-18, 2018.
36. 15th annual Bloomington Geometry Workshop, Indiana University, April 6-8, 2018.
37. Spring Topology Conference (STDC 2018), Auburn University, March 14-17, 2018.
38. Workshop on Moduli Spaces, Ventotene, Italy, Sep 11-16, 2017.
39. Geometric structures And Representation Varieties (GEAR) NSF Network Retreat, Stanford University, Aug 6-12, 2017.

40. Geometry and Physics of Higgs bundles, Mathematical Congress of the Americas, Montreal, Canada, Jul 24-28, 2017.
41. Geometry and Combinatorics of Cell Complexes, Mathematical Congress of the Americas, Montreal, Canada, Jul 24-28, 2017.
42. Compactifications of Moduli spaces of Representations, Montana, Jun 11-18, 2017.
43. Geometric topology in Cortona, Cortona, Italy Jun 4-10, 2017.
44. Graduate Student Geometry Topology Conference, Michigan State University, Apr 8-9, 2017.
45. Special Session on Group actions and geometric structures at JMM, Atlanta, Jan 4-7, 2017.
46. Symposium on Differential Geometry and Teichmüller theory, BHU, India, Dec 14-17, 2016.
47. Tech Topology Conference, Georgia Tech, Dec 2-4, 2016
48. Current trends on spectral data for Higgs bundles II, SCGP, Jun 2016.
49. Higher Teichmüller theory and Higgs bundles: interactions and new trend, Heidelberg, Nov 2015.
50. 3-dimensional Geometric Structures, Representations of Surface Groups and related topics, Luxembourg, Jul 2015.
51. Connections for Women: Dynamics on Moduli Spaces of Geometric Structures, MSRI, Jan 2015.
52. Young Geometric Group Theory Meeting IV, Spa, Belgium, Jan 2015.
53. Mapping Class Groups and Teichmüller Theory, Ramat Hanadiv, Israel, May 2014.
54. AMS Special Session on Low-dimensional Topology and Group Theory, Baltimore, USA, Mar 2014.
55. New Trends in Teichmüller Theory and Mapping Class Groups, Oberwolfach, Germany, Feb 2014.
56. AMS Special Session on Geometric structures on low-dimensional manifolds at the Joint Mathematics Meeting, Baltimore, USA, Jan 2014.
57. XXII Rolf Nevanlinna Colloquium, Helsinki, Finland, Aug 2013.
58. Branched Coverings, Degenerations, and Related Topics, Tokyo, Japan, Mar 2013.
59. Higher Teichmüller–Thurston Theory, CRM, Montreal, Canada, Oct 2012.
60. Geometric structures And Representation Varieties (GEAR) NSF Network Retreat, UIUC, 2012.
61. Senior Seminar, Geometry and analysis of surface group representations, IHP, Paris, Jan 2012.
62. MRC Geometry of Real Projective Structures, Utah, USA, Jun 2011.
63. Fourth de Brún Workshop on Group Actions, NUI Galway, Ireland, Dec 2010.
64. International Congress of Mathematicians, Hyderabad (ICM), Hyderabad, India, Aug 2010.
65. Geometry, Topology and Dynamics of Character Varieties, NUS, Singapore, Jun–Aug, 2010.
66. Women in Mathematics Two Day Meeting, Newton Institute, Cambridge, UK, Apr 2010.
67. Summer School in honor of Howard Masur’s 60th birthday, CIRM, Luminy, Jun 2009.

Seminars

68. Colloquium, Temple University, Mar 18, 2024.
69. Topology Seminar, Texas A&M, Apr 16, 2024.
70. Colloquium, Sam Houston State University, Apr 17, 2024.
71. Geometry and Topology Seminar, Washington University in St Louis, Dec 1, 2023.
72. Colloquium, University of Illinois, Chicago, Nov 10, 2023.
73. Geometry Seminar, University of Illinois, Chicago, Nov 8, 2023.
74. Dynamics Seminar, University of Wisconsin, Madison, Oct 23, 2023.
75. Colloquium, University of Wisconsin, Madison, Oct 20, 2023.
76. Colloquium, University of Minnesota, April 6, 2023.
77. Geometry and Topology Seminar, Virginia Commonwealth University, February 24, 2023.
78. Geometry and Topology Seminar, Brown University, December 7, 2022.
79. Topology, Algebraic Geometry, and Dynamics Seminar, George Mason University, November 4 2022.
80. Geometry and Topology Seminar, University of Maryland, October 3, 2022.
81. Colloquium, Warwick University, UK, January 2022.
82. Quasiworld seminar, Jan 19, 2021 (virtual).
83. Australian Geometric Topology Webinar, December 2, 2020 (virtual).
84. Geometry and Topology Seminar, Yale University, November 17, 2020 (virtual).

85. Seminario a distancia de teoria geometrica de grupos, UNAM, Mexico, November 5, 2020 (virtual).
86. Topology Seminar, Texas A & M University, October 21, 2020 (virtual).
87. Geometry and Topology Seminar, Florida State University, October 13, 2020 (virtual).
88. Geometry Seminar, National University of Singapore, October 7, 2020 (virtual).
89. Distinguished Colloquium, University of Ottawa, March 6, 2020.
90. Colloquium, George Mason University, January 31, 2020.
91. Colloquium, Purdue University, November 19, 2019.
92. Geometry Seminar, Purdue University, November 18, 2019.
93. Topology Seminar, University of Michigan, October 31, 2019.
94. Triangle Seminar, NCSU, Duke, UNC at Chapel Hill, October 29, 2019.
95. Topology Seminar, UT Austin, October 7, 2019.
96. Topology Seminar, Ohio State University, April 11, 2019.
97. Geometry and Topology Seminar, Brown University, March 13 2019.
98. Max Dehn Seminar, University of Utah, February 13, 2019.
99. Geometry and Topology Seminar, Caltech, April 13, 2018.
100. Groups and Dynamics Seminar, Texas A&M University, February 15-17, 2018.
101. Geometry Seminar, University of Virginia, February 6, 2018.
102. Geometry and Dynamics Seminar, University of Lille, France, January 26, 2018.
103. Geometry and discrete groups Seminar, IHES, France, January 15, 2018.
104. Geometry, Topology and Dynamics Seminar, Paris Sud XI, Orsay, France, January 11, 2018.
105. Geometry Seminar, University of Michigan, April 7, 2017.
106. PATCH Seminar, Temple University, March 3, 2017.
107. Colloquium, Dartmouth College, February 23, 2017.
108. Geometry Seminar, Dartmouth College, February 24, 2017.
109. Geometry, Topology and Dynamics, University of Illinois in Chicago, January 9, 2017.
110. Colloquium, Tribhuvan University, Kathmandu, Nepal, January 4, 2017.
111. Algebra Seminar, Virginia Tech, November 4, 2016.
112. Geometry and Topology Seminar, University of Maryland, October 24, 2016.
113. Topology, Arithmetic, and Dynamics Seminar, George Mason University, October 21 2016.
114. Seminar, University of Genoa, June 30, 2016.
115. Colloquium, University of Connecticut, Jan 2016.
116. Teichmüller Seminar, University of Rutgers-Newark, Jan 2016.
117. Colloquium, University of Rutgers-Newark, Jan 2016.
118. Colloquium, Florida State University, Jan 2016.
119. Oliver Club, Cornell University, Nov 2015.
120. Differential Geometry Seminar, Heidelberg, Germany, Jul 2015.
121. Geometry and Topology Seminar, Toronto University, Canada, Spring 2015.
122. Topology Seminar, University of California, Santa Barbara, USA, Dec 2014.
123. Topology Seminar, Caltech, USA, Dec 2014.
124. Geometry and Topology Seminar, Berkeley University, USA, Dec 2014.
125. Geometry and Topology Seminar, Wesleyan University, USA, Nov 2014.
126. Geometry and Topology Seminar, Stanford University, USA, Oct 2014.
127. Max Dehn seminar, University of Utah, USA, Oct 2014.
128. Geometry and Topology Seminar, Brown University, USA, Oct 2014.
129. Geometry and Topology Seminar, Rutgers University, USA, Apr 2014.
130. Geometry and Topology Seminar, Yale University, USA, April 2014.
131. Geometry and Topology Seminar, Temple University, USA, Mar 2014.
132. Geometry and Topology Seminar, University of Maryland, USA, Mar 2014.
133. Geometric Group Theory and Topology Seminar, Tufts University, USA, Feb 2014.

134. Topology Seminar, University of Michigan, USA, Dec 2013.
135. Discrete Math Seminar, Brown University, USA, Dec 2013.
136. Weekly Seminar, ICERM, Providence, USA, Nov 2013.
137. Geometry and Topology Seminar, CUNY, USA, Nov 2013.
138. LAGA Seminar, Paris 13, France, Jun 2013.
139. COOL Seminar, IHP, Paris, France, May 2013.
140. Differential Geometry Seminar, Heidelberg, Germany, May 2013.
141. Global Analysis Seminar, Regensburg University, Germany, May 2013.
142. Graduate Students Colloquium, Regensburg University, Germany, May 2013.
143. Geometry Seminar, Friburg, Switzerland, May 2013.
144. Seminar, University Jawaharlal Nehru, Delhi, India, Apr 2013.
145. Geometry Seminar, Lille, France, Apr 2013.
146. The Tech Seminar, Marseille, France, Apr 2013.
147. Geometry Seminar, Lille, France, Apr 2013.
148. Geometry and Topology Seminar, Osaka University, Japan, Feb 2013.
149. Geometry and Topology Seminar, University of Pisa, Italy, Jan 2013.
150. Geometry and Topology Seminar, University of Paris-Sud 11, France, Dec 2012.
151. Geometry Seminar, University Paul Sabatier, Toulouse, June 2012.
152. Seminar, City University of New York (CUNY), USA, May 2011.
153. Seminar, University of Montreal, Canada, May 2011.
154. Seminar, University of Maryland, USA, May 2011.
155. Postgraduate Seminar, University of Warwick, Coventry, UK, Feb 2011.
156. Geometry and Topology Seminar, University of Warwick, Coventry, UK, Jun 2009.
157. Postgraduate Seminar, University of Warwick, Coventry, UK, May 2009.

Services

Conferences organised:

1. *Summer Graduate School on Geometry and Dynamics in Higher Rank Lie Groups*, SLMATH, Jul 2025.
2. *Low dimensional phenomena: geometry and dynamics*, Henri Poincaré Institute, Paris, Jun 2025.
3. *Women in Groups, Geometry, and Dynamics (WIGGD) Retreat III*, Banff, Jun 2025.
4. *AMS-UMI Special Session: Anosov representations and higher Teichmüller theory*, Università degli Studi di Palermo, July 2024.
5. *Moving to higher rank: from hyperbolic to Anosov (in honor of Dick Canary)*, Cetraro, Jul 2024
6. *Mid-Atlantic Regional Math Alliance I*, UVA, Apr 2024.
7. *Collaborative Team Conference*, UVA, Dec 2023.
8. *Collaborative Research Team*, Blue Ridge Mountains, August 2023.
9. *Women in Groups, Geometry, and Dynamics (WIGGD) Retreat II*, Ashton, July 2023.
10. *AMS-SMF-EMS Special Session: Deformation spaces of geometric structures*, Jul 2022.
11. *Geometry, dynamics and representations – in honor of François Labourie*, Corsica, France, Jun 2022.
12. Local organizer of the *AMS Sectional Meeting*, University of Virginia, Mar 2022 (postponed).
13. *AMS Special Session “Celebrating Diversity in Mathematics”*, Charlottesville, Mar 2022 (postponed).
14. *AMS Special Session “Trends in Teichmüller theory”*, Charlottesville, Mar 2022 (postponed).
15. *Virginia Topology Conference*, University of Virginia, Nov 2020
16. *Retreat Women in Groups, Geometry and Dynamics (WiGGD)*, Montana, Aug 2021.
17. *Topics at the interface of low dimensional group actions and geometric structures*, IMS, Singapore, Jan 2021 (virtual).
18. *Virginia Topology Conference*, University of Virginia, Dec 2018.
19. *Women’s Intellectual Network Research Symposium (WINRS)*, University of Virginia, Sep 2018.
20. *Virginia Topology Conference “Hyperbolic 3-manifolds and beyond”*, University of Virginia, Nov 2017.
21. *Virginia Topology Conference “Mapping Class Groups and Low Dimensional Topology”*, University of Virginia, Nov 2016.

22. *AMS Special Section "Convex Cocompactness"*, Bowdoin College, Sep 2016.
23. *Sp(4, R)–Anosov representations*, Colorado, USA, Jan 2015.
24. *(GEAR) NSF Junior Retreat*, University of Michigan, USA, May 2014.
25. *Higher Teichmüller–Thurston Theory*, Maine, USA, June 2013.
26. *Young Researchers in Mathematics (YRM)*, Warwick, Apr 2011.

Seminars organised:

27. *Colloquium*, University of Virginia, 2019 – present.
28. *Geometry Seminar*, University of Virginia, 2017 – present.
29. *Geometry and Topology Seminar*, Brown University, 2013 – 2016.
30. *Geometry and Topology Seminar Brown Yale GATSBY Seminar*, Brown & Yale University, 2013–2016.
31. *Postgraduate Seminar*, IHP, Paris, 2012.
32. *Graduate Seminar*, University of Warwick, 2009–2011.

Department/University services

33. HHMI Driving Change, Department Lead, 2024-26.
34. Advance Fellow, 2022-25.
35. College Fellow, 2022-25.
36. Founder of Breathing Space Community, University of Virginia, 2023-24.
37. Founder and Faculty Advisor of the Geometry Lab, University of Virginia, 2022 – present.
38. Math Majors Advisor, University of Virginia, 2017 – present.
39. Graduate Committee, University of Virginia, 2022-23, 2024-25.
40. Peer Review Committee, University of Virginia, 2022-23, 2024–25.
41. Chair of hiring Committee General Faculty (2 positions), 2023-24.
42. Faculty advisor and founder of the Directed Reading Program (DRP), UVA, 2018 – 2023.
43. Graduate Admission Committee, UVa, 2020-21, 2021-2022.
44. Postdoc Admission Committee, UVa, 2021-22.
45. Faculty advisor and co-founder of the AWM Student Chapter, University of Virginia, 2016 – 2021.
46. Math Majors Advisor, University of Virginia, 2017 – present.
47. Organizer of the Math Club, University of Virginia, 2016 – 2019.
48. *Sonia Day*, University of Virginia, Mar 2019.
49. Public lectures serie "Maths & ..." featuring:
 - Prof. Diane Hoffoss (with Art), October 21, 2019.
 - Prof. Moon Duchin (with Batten School and Politics), March 22, 2018.
 - Prof. Henry Segerman (with 3D Lab), February 23, 2018.
 - Dr. Tony DeRose (with Architecture and Page Barbour), November 9, 2017.
 - Prof. Mary Gray (with Law School and Statistics), October 5, 2017.
50. "Diversity Lecture" featuring:
 - Prof. Abigail Stewart, March 23, 2018.

National and International services:

51. Judge and Mentor for Fellowship for Pre-Graduate Studies in Mathematics, Vietnam, 2022-present.
52. Member of Association of Women in Mathematics (AWM) Scientific Advisory Committee, 2024-27.
53. Member at Large of the Council of the American Mathematical Society (AMS), 2024-27.
54. Member of the Committee on Education (CoE), AMS, 2024-27; Chair of CoE, 2025-26.
55. Member of the BIRS Equity, Diversity and Inclusion advisory board (BIRS-EDIAB), 2021 – present.
56. NSF Panelist, 2016-17, 2017-18, 2018-19, 2020-21, 2021-22, 2022-23(CAREER), 2023-24.
57. Panelist for Natural Sciences and Engineering Research Council of Canada (NSERC), 2020-21, 2023-24.
58. Panelist for Fonds de recherche du Québec (FRQNT), 2022-23.
59. Member of the AMS Joint Meetings Travel Grants Committee, 2020 – 2023.
60. Member of the AWM Student Chapter Committee, 2015 – 2018, 2019 – 2023.
61. AWM Mentor, 2015 – 2023.
62. Doctoral Faculty Council, Math Alliance, 2019–2023.
63. Mentor for F-GAP Program, Math Alliance, 2017–2019.
64. Editor of Special Volume "Groups, Geometry, and Dynamics: A Celebration of François Labourie's 60th Birthday", Springer, *Geometriae Dedicata*.

65. Referee for *Advances in Mathematics*, *Algebraic and Geometric Topology*, *Annales de l'École normale supérieure*, *Conformal Geometry and Dynamics*, *Geometriae Dedicata*, *Geometry and Topology*, *Mathematische Annalen*, *Mathematische Zeitschrift*, *Journal of the European Mathematical Society*, *Journal of Topology*, *Transaction of the AMS*, and others.
66. First Year Advisor, Brown University, 2015 – 2016.
67. Advisor for the Rose Whelan Society (for women graduate student), Brown University, 2013 –2016.
68. Member of the Scientific Committee for the *Young GGT Meeting*, CIRM, Luminy, France, 2014.
69. Member of the *Warwick Staff Graduate Student Liaison Council*, University of Warwick, 2009–2011.