

CONTACT	Louisiana State University Department of Mathematics Baton Rouge, LA 70803	ana@math.lsu.edu https://math.lsu.edu/~ana
APPOINTMENTS	Louisiana State University Tenure-track Assistant Professor	August 2023–present
	Harvard University Benjamin Peirce Fellow	July 2017–July 2023
	NSF Postdoctoral Fellow (Sponsor: Dennis Gaitsgory)	July 2019–July 2022
EDUCATION	University of Chicago Ph.D. in Mathematics (Advisor: Victor Ginzburg) M.S. in Mathematics	June 2017 June 2013
	California Institute of Technology B.S. in Mathematics with Honors	June 2011
PUBLICATIONS AND PREPRINTS	<i>Wonderful varieties with a view towards Poisson geometry</i> (expository) arXiv:2307.06663.	
	<i>Reduction along strong Dirac maps</i> (with M. Mayrand) arXiv:2210.07200.	
	<i>A quasi-Poisson structure on the multiplicative Grothendieck–Springer resolution</i> Contemporary Math. , to appear.	
	<i>Steinberg slices and group-valued moment maps</i> Adv. Math. 402, 2022.	
	<i>Perverse sheaves and the cohomology of regular Hessenberg varieties</i> (with P. Crooks) Transform. Groups , 2022.	
	<i>The partial compactification of the universal centralizer</i> Selecta Math. , to appear.	
	<i>The Peterson variety and the wonderful compactification</i> Represent. Theory 21:132–150, 2017.	
AWARDS, FELLOWSHIPS, AND GRANTS	2019–2023 NSF Mathematical Sciences Postdoctoral Research Fellowship. (DMS–1902921, 150 000 USD)	
	2017–2023 Certificates of Teaching Excellence, Harvard University. (eight awards)	
	2021 NSF Conference Grant “Lie theory and Poisson geometry.” (DMS–2134169, 20 000 USD, sole PI)	
	2015 Lawrence and Josephine Graves Teaching Award, University of Chicago.	
	2011–2012 GAANN Fellowship, University of Chicago.	

CONFERENCE AND SEMINAR TALKS	October 2023	Special session on “The representation theory of finite and algebraic groups,” AMS Fall Southeastern Sectional Meeting.
	September 2023	Trends in representation theory and related topics, UBB.
	September 2023	Geometric representation theory and W -algebras, ICMS Edinburgh.
	April 2023	Infinite-dimensional algebra seminar, MIT.
	March 2023	“Gone Fishing” Poisson geometry conference, Amherst College.
	February 2023	Geometry and physics seminar, Boston University.
	December 2022	Symplectic geometry seminar, IMPA.
	June 2022	Fourth Canada–Mexico–USA Conference in Representation Theory, Non-commutative Algebra, and Categorification, Northeastern University.
	April 2022	Geometry, symmetry, and physics seminar, Yale University.
	April 2022	“Gone Fishing” Poisson geometry conference, Georgia Southern University.
	April 2022	Algebraic geometry seminar, Harvard University.
	March 2022	Algebraic geometry seminar, Stanford University.
	October 2021	Algebraic geometry seminar, Washington University St. Louis.
	October 2021	“Compactifications, Configurations, and Cohomology,” Northeastern University.
	June 2021	Global Poisson Geometry Webinar.
	May 2021	Special session on “Categorical and Combinatorial Methods in Representation Theory and Related Topics,” AMS Spring Western Sectional Meeting.
	March 2021	Algebra seminar, Virginia Tech.
	December 2020	Geometry in Algebra and Algebra in Geometry, UFF.
	December 2020	Session on “The Algebraic Geometry of Integrable Systems,” CMS Winter Meeting, McGill University.
	November 2020	Geometric representation theory seminar, University of Toronto.
	September 2020	“Friday Fish” seminar, Utrecht University.
	June 2020	Geometric representation theory twinned conference, Perimeter Institute and MPI Bonn.
	June 2020	Lie theory and integrable systems in symplectic and Poisson geometry, Fields Institute.
	December 2019	International conference on Poisson geometry, IMPA.
	April 2019	Symplectic Representation Theory, CIRM.
	January 2019	Geometry and algebra, geometry and analysis seminar, Utrecht University.
	June 2018	International conference on geometric representation theory and symplectic varieties, University of Notre Dame.
	April 2018	Representation theory seminar, UMass Amherst.
	April 2018	Infinite-dimensional algebra seminar, MIT.
	February 2018	Mathematical physics seminar, Perimeter Institute.
	December 2017	Transformation Groups 2017, Moscow, Russia.
	November 2017	Geometry, physics, and representation theory seminar, Northeastern University.
	November 2017	Symplectic and Poisson geometry seminar, UIUC.

October 2017 Geometric representation theory seminar, MIT.
 October 2017 Geometry and physics seminar, Boston University.
 May 2017 “Gone Fishing” Poisson geometry conference, University of Notre Dame.
 December 2016 Integrability and representation theory seminar, UIUC.
 October 2016 Algebraic geometry seminar, University of Notre Dame.
 August 2016 ICRA 2016, Syracuse University.

MINICOURSES
AND EXPOSITIONS

July 2022 *Wonderful varieties with a view towards Poisson geometry*
 Minicourse
 Poisson 2022 Summer School, Barcelona, Spain.
 June 2022 *Desingularization in Poisson geometry*
 Lectures with Ioan Mărcuț
 Poisson geometry, Lie groupoids, and differentiable stacks, BIRS.
 April 2019 *Introduction to spherical varieties*
 Expository lecture
 “Pick-My-Brain” seminar, Northeastern University.
 September 2018 *The wonderful compactification*
 Expository lecture
 Women@AGNES, Brown University.

CONFERENCES
AND SEMINARS
(CO)ORGANIZED

2023–present Steering committee of the “Gone Fishing” conference series.
 2017–2023 Open Neighborhood Seminar, undergraduate colloquium series, Harvard University.
 January 2022 Lie theory and Poisson geometry, conference, CIRM.
 May 2021 Special Session on “Geometric and Categorical Methods in Representation Theory,” AMS Spring Western Sectional Meeting.
 Spring 2018 Snapshots of Math at Harvard, research symposium, Harvard University.
 2014–2017 Representation theory student seminar, University of Chicago.
 Fall 2012 Geometric invariant theory learning seminar, University of Chicago.

TEACHING
EXPERIENCE**At Louisiana State University:**

2023–2024 Honors differential and integral calculus (Math 1551)

At Harvard University:

2022–2023 Linear algebra and applications (Math 121)
 Complex analysis (Math 113)
 2021–2022 Topological spaces and the fundamental group (Math 131)
 Complex analysis (Math 113)
 2020–2021 Sets, groups, and topology (Math 101)
 2018–2019 Theory of groups and vector spaces (Math 122)
 Graduate algebra (Math 221)
 Linear algebra and differential equations (Math 21b)

2017–2018 Number theory (Math 124)
 Linear algebra and differential equations (Math 21b)
 Representation theory, geometry, and the wonderful compactification (graduate topics course) (Math 279)

At the University of Chicago:

2016–2017 Calculus III (Math 153)
 SESAME Algebra I (Math 509)
 Honors calculus III IBL (Math 163)

2015–2016 Honors calculus I IBL (Math 161)
 Honors calculus II IBL (Math 162)
 Honors calculus III IBL (Math 163)
 SESAME Algebra I (Math 509)

2014–2015 Calculus III (Math 153)
 Geometry IBL (Math 176)
 SESAME History of mathematics (Math 510)

2013–2014 Calculus I (Math 151)
 Calculus II (Math 152)
 Calculus III (Math 153)

SERVICE TO THE
DEPARTMENT

At Harvard:

2021–2022 Intensive undergraduate advising committee

2021–2022 Intensive undergraduate advising committee
 Qualifying exam committee

2020–2021 Assistant director of graduate studies
 Graduate admissions committee

2018–2019 Intensive undergraduate advising committee

2017–2018 Graduate admissions committee

At the University of Chicago:

Fall 2013 Organizer for the Warm-Up Program (WOMP) for incoming first-year graduate students

OTHER
ACTIVITIES

Ph.D. thesis committee member for Maarten Mol (Utrecht, 2022), Kevin Lin (Harvard, 2023).

May 2021 Volunteer organizational team for the Women and Math Program in Representation Theory: Categories and Combinatorics, IAS.

Winter 2014 Proofreader for the book “A concise course in complex analysis and Riemann surfaces” by Wilhelm Schlag, University of Chicago.

Spring 2013 Mentor in the Directed Reading Program, University of Chicago.

CITIZENSHIP

Romania, USA.

LANGUAGES

Romanian (native), English (nativelike), French (intermediate).