

Felix Janda

Curriculum Vitae

University of Illinois Urbana-Champaign
303 Altgeld Hall, Urbana, IL 61801
USA

✉ fjanda@illinois.edu

🌐 <https://fjanda.web.illinois.edu/>

Employment

- 2023– **University of Illinois, Urbana–Champaign**, *Assistant Professor*
- 2023–2024 **University of Notre Dame**, *Adjunct Assistant Professor*
- 2020–2023 **University of Notre Dame**, *Assistant Professor*
- 2019–2020 **Institute for Advanced Study**, *Member*
- 2019–2020 **University of Michigan**, *Adjunct Assistant Professor*
- Spring 2018 **Mathematical Sciences Research Institute**, *Member of program: “Enumerative geometry beyond numbers”*
- 2016–2019 **University of Michigan**, *D.J. Lewis Research Assistant Professor*, Host: Yongbin Ruan
- 2015–2016 **Institut de Mathématiques de Jussieu**, *FSMP Postdoctoral Position*, Host: Dimitri Zvonkine

Education

- 2011–2015 **ETH Zürich**, *Ph.D.*, Thesis: “Relations in the tautological ring”, Advisor: Rahul Pandharipande
- 2007–2011 **Ludwigs-Maximilians-Universität München**, *Diploma: “Sehr gut”*, Thesis: “The geometry and arithmetic of a singular cubic surface”, Advisor: Ulrich Derenthal

Honors/Grants

- 2024–2026 **University of Illinois Thomas Nevins Scholar in Mathematics**
- 2023–2028 **NSF CAREER grant DMS-2239320/DMS-2422291**
- 2019–2023 **NSF standard grant DMS-1901748/DMS-2054830**
- 2017–2019 **AMS-Simons Travel Grant**
- 2016 **ETH medal for outstanding doctoral thesis**
- 2014 **Oberwolfach Leibniz Graduate Student**
- 2009–2011 **Scholarship of the “Studienstiftung des deutschen Volkes” (German Academic Scholarship Foundation)**

————— Publications/Preprints (coauthors listed in alphabetical order)

1. “*Structures in topological recursion relations*” (with Xin Wang) in “**Transactions of the American Mathematical Society Series B**” **12** (2025), **1223-1263**, arXiv:2601.20673
2. “*Gromov-Witten Invariants of Non-Convex Complete Intersections in Weighted Projective Stacks*” (with Nawaz Sultani and Yang Zhou) **submitted**, arXiv:2409.06193
3. “*Structure results for torus fixed loci*” (with Jarod Alper) **submitted**, arXiv:2402.10823
4. “*Universal equations for higher genus Gromov-Witten invariants from Hodge integrals*” (with Xin Wang) in “**Communications in Mathematical Physics**”, **Volume 405**, article number **47**, (2024), arXiv:2401.00899
5. “*Gromov-Witten invariants with naive tangency conditions*” (with Tony Yue Yu) in “**International Mathematics Research Notices**” **Volume 2025**, **Issue 20**, **October 2025**, **rnaf310**, arXiv:2310.13059
6. “*Structural formulae in logarithmic Gauged Linear Sigma Models II: Effective invariants and cycles*” (with Qile Chen and Yongbin Ruan) **submitted**, arXiv:2208.04519
7. “*A comparison of group testing architectures for COVID-19 testing*” (with Joshua Batson, Yaim Cooper, Nathaniel Bottman) , arXiv:2005.03051
8. “*Virtual cycles of stable (quasi-)maps with fields*” (with Qile Chen and Rachel Webb) in “**Advances in Math**” **Volume 385**, **16 July 2021**, **Art. No. 107781**, **49pp**, arXiv:1911.09825
9. “*The logarithmic gauged linear sigma model*” (with Qile Chen and Yongbin Ruan) in “**Inventiones mathematicae**”, **225(3)**, **1077-1154**, **2022**, arXiv:1906.04345
10. “*Structure of Higher Genus Gromov-Witten invariants of Quintic 3-folds*” (with Shuai Guo and Yongbin Ruan) , arXiv:1812.11908
11. “*Double ramification cycles with target varieties*” (with Rahul Pandharipande, Aaron Pixton and Dimitri Zvonkine) in “**Topology**” **Volume 13 Issue 4**, **December 2020**, **Pages 1725–1766**, arXiv:1812.10136
12. “*Towards Logarithmic GLSM: The r -spin case*” (with Qile Chen, Yongbin Ruan and Adrien Sauvaget) in “**Geometry and Topology**” **Issue 26-7**, **2022**, **Pages 2855–2939**, arXiv:1805.02304
13. “*A mirror theorem for genus two Gromov-Witten invariants of quintic threefolds*” (with Shuai Guo and Yongbin Ruan) , arXiv:1709.07392
14. “*Higher-genus wall-crossing in the gauged linear sigma model*” (with Emily Clader and Yongbin Ruan) in “**Duke Mathematical Journal**” **170** (4), **697-773**, (**15 March 2021**), arXiv:1706.05038
15. “*Topological recursion relations from Pixton’s formula*” (with Emily Clader, Xin Wang and Dmitry Zakharov) in “**Michigan Math Journal**” **73** (2023), **227-241**, arXiv:1704.02011

16. “*Higher-genus quasimap wall-crossing via localization*” (with Emily Clader and Yongbin Ruan) in “**Algebraic Geometry**” (**Foundation Compositio Mathematica**) **11 (5) (2024) 712–736**, arXiv:1702.03427
17. “*Appendix: Holomorphic differentials*” (with Rahul Pandharipande, Aaron Pixton and Dimitri Zvonkine) in “**Tautological relations via r-spin structures**” by Rahul Pandharipande, Aaron Pixton and Dimitri Zvonkine in “**Journal of Algebraic Geometry**” **28 (2019), 439–496**, arXiv:1607.00978
18. “*Powers of the theta divisor and relations in the tautological ring*” (with Emily Clader, Samuel Grushevsky and Dmitry Zakharov) in “**International Mathematics Research Notices**” **Volume 2018 Issue 24, 12 December 2018, Pages 7725–7754**, arXiv:1605.05425
19. “*Double ramification cycles on the moduli space of curves*” (with Rahul Pandharipande, Aaron Pixton and Dimitri Zvonkine) in “**Publications mathématiques de l’IHÉS**” **125 (2017), 221–266**, arXiv:1602.04705
20. “*Pixton’s double ramification cycle relations*” (with Emily Clader) in “**Geometry and Topology**” **22-2 (2018), 1069–1108**, arXiv:1601.02871
21. “*Relations on $\overline{M}_{g,n}$ via equivariant Gromov-Witten theory of \mathbb{P}^1* ” in “**Algebraic Geometry**” (**Foundation Compositio Mathematica**) **Volume 4, Issue 3 (May 2017), 311–336**, arXiv:1509.08421
22. “*Appendix: The weighted fundamental class of $\tilde{\mathcal{H}}_g(\mu)$* ” (with Rahul Pandharipande, Aaron Pixton and Dimitri Zvonkine) in “**The moduli space of twisted canonical divisors**” by Gavril Farkas and Rahul Pandharipande in “**Journal of the Institute of Mathematics of Jussieu**” **Volume 17, Issue 3 (June 2019), 615–672**, arXiv:1508.07940
23. “*Frobenius Manifolds near the Discriminant and Relations in the Tautological Ring*” part of PhD thesis, in “**Letters in Mathematical Physics**” **108 (2018), no 7, 1649–1675**, arXiv:1505.03419
24. “*The hypergeometric functions of the Faber-Zagier and Pixton relations*” (with Alexandr Buryak and Rahul Pandharipande) in **Pure and Applied Mathematics Quarterly** **Volume 11 (2015), Number 4 (Special volume dedicated to Prof. Eduard Looijenga), 591–631**, arXiv:1502.05150
25. “*Comparing tautological relations from the equivariant Gromov-Witten theory of projective spaces and spin structures*” part of PhD thesis, arXiv:1407.4778
26. “*Gromov-Witten theory of target curves and the tautological ring*” in **Michigan Mathematical Journal**, **Volume 66, Issue 4 (2017), (683–698)**, arXiv:1308.6182
27. “*Tautological relations in moduli spaces of weighted pointed curves*” part of PhD thesis, arXiv:1306.6580
28. “*Socle pairings on tautological rings*” (with Aaron Pixton) in **Epijournal de Géométrie Algébrique**, **Volume 3 (2019), Article no. 4**, arXiv:1304.0026

29. “*Gaussian rational points on a singular cubic surface*” (with Ulrich Derenthal) in “**Torsors, étale homotopy and applications to rational points**”, **LMS Lecture Notes 405**, Cambridge University Press, Cambridge, 2013, pp. 210-231, arXiv:1105.2807

Mentoring

- Fall 2024 **Directed reading with Saibo Xu**
2023 – **Graduate student Ruoxi Li**
present
- Winter 2023– **Undergraduate reading and research with Jonathan Pal (now graduate student at Montana State)**
- Winter 2021 **Directed reading with Juan Lanfranco**
2019 – 2022 **Graduate student Nawaz Sultani (thesis title: “Gromov-Witten Theory of Non-Convex Complete Intersections”, now postdoc at Academia Sinica, Taipei)**
- Summer 2018 **REU with Felipe Castella (topic: GLSM spaces, now graduate student at UCSD)**

Teaching experience and training

- Fall 2024 **MATH 417: Abstract Algebra**, Instructor
- Oct 2023 **attend “Get in the Flow: Promoting Student Learning Engagement”**
- Fall 2023 **attend “Faculty Workshop Series on Teaching and Learning”**
- Fall 2023 **MATH 347: Fundamental Mathematics**, Instructor
- May 2023 **attend “NDStart: Diversity, Equity and Inclusion”**
- January 2023 **attend “Building Better Bookends: The First Day of Class”**
- Fall 2022 **MATH 60710: Introduction to Algebraic Geometry**, Instructor
- Fall 2022 **MATH 10550: Calculus I**, Instructor
- Fall 2021 **MATH 80210: Topics in Algebra: Moduli of curves**, Instructor
- Spring 2021 **MATH 10560: Calculus II**, Instructor
- Winter 2021 **MATH 20985: The Math of COVID-19**, Instructor
- Fall 2020 **MATH 60710: Introduction to Algebraic Geometry**, Instructor

- Winter 2019 **Minicourse on “Tautological rings and the double ramification cycle”**
- Fall 2018 **MATH 115: Calculus I**, Instructor
- Fall 2017 **MATH 217: Linear Algebra**, Instructor
- August 2017 **Inquiry based learning training at Michigan**
- Winter 2017 **MATH 590: Introduction to Topology**, Instructor
- Fall 2016 **MATH 417: Matrix Algebra**, Instructor
- August 2016 **Professional program at Michigan**
- Spring 2015 **Algebraic Topology II**, *Pandharipande*, Teaching Assistant
- Fall 2014 **Funktionentheorie**, *Knörrer*, Grading/Tutoring
- Spring 2014 **Topologie**, *Werner*, Grading
- Spring 2014 **Mathematisches Denken**, *Leupp*, Grading
- Fall 2013 **Lecture Series on “Pixton’s relations via stable quotients”**
- Fall 2013 **Funktionentheorie**, *Teichmann*, Grading/Tutoring
- Spring 2013 **Algebraic Geometry**, *Pandharipande*, Grading/Tutoring
- Fall 2012 **Functional Analysis**, *Soner*, Grading/Tutoring
- Spring 2012 **Lineare Algebra II**, *Knörrer*, Grading/Tutoring
- 2011-05–2011-07 **Lineare Algebra II**, *Derenthal*, Grading

Talks

Colloquium

- 2022-12 **“Enumerative Geometry: Old and New”**, *Special Colloquium*, University of Illinois, Urbana-Champaign
- 2022-03 **“Enumerative Geometry: Old and New”**, *Special Colloquium*, University of Southern California, Zoom
- 2020-02 **“Understanding maps between Riemann surfaces”**, *Colloquium*, University of Minnesota
- 2020-02 **“Enumerative Geometry: Old and New”**, *Colloquium*, Louisiana State University
- 2020-01 **“Enumerative Geometry: Old and New”**, *Colloquium*, University of Notre Dame
- 2020-01 **“Enumerative Geometry: Old and New”**, *Colloquium*, Michigan State University
- 2019-02 **“Enumerative Geometry: Old and New”**, *Colloquium*, University of Utah

- 2018-12 **“Enumerative Geometry: Old and New”**, *Colloquium*, Texas A&M University
- 2018-12 **“Enumerative Geometry: Old and New”**, *Colloquium*, Stony Brook University
- 2018-04 **“Counting curves on quintic threefolds”**, *Smith Colloquium*, Kansas University
Conference
- 2026-01 **“Curve counting and algebraic stacks”**, *Geometry of Algebraic Stacks*, BIRS
- 2025-09 **“Structures in Gromov-Witten theory from structures in logarithmic gauged linear sigma models”**, *Counting Invariants and Enumerative Geometry*, Brin Mathematics Reserach Center
- 2025-01 **“Higher genus computations via logarithmic Gauged Linear Sigma Models (6)”**, *Program Recent developments in higher genus curve counting*, Simons Center for Geometry and Physics
- 2025-01 **“Higher genus computations via logarithmic Gauged Linear Sigma Models (5)”**, *Program Recent developments in higher genus curve counting*, Simons Center for Geometry and Physics
- 2025-01 **“Higher genus computations via logarithmic Gauged Linear Sigma Models (4)”**, *Program Recent developments in higher genus curve counting*, Simons Center for Geometry and Physics
- 2024-03 **“Techniques for computing higher genus Gromov-Witten invariants and a connection to birational invariants”**, *AGNES*, Boston College
- 2020-08 **“Logarithmic GLSM: Applications”**, *GLSMs 2020*, Virginia Tech, Zoom
- 2020-01 **“All genus Landau–Ginzburg/Calabi–Yau correspondence”**, *Special session: “Cohomological Field Theories and Wall Crossing”*, JMM Denver
- 2019-11 **“The logarithmic gauged linear sigma model”**, *Moduli and Invariants*, Casa Matemática Oaxaca
- 2019-06 **“Gromov-Witten invariants of quintic threefolds via log GLSM”**, *Summer School: “New Perspectives in Gromov-Witten Theory”*, Paris

- 2018-10 **“Double ramification cycles and strata of differentials”**, *AMS Fall Central Sectional Meeting, Special Section on From Hyperelliptic to Superelliptic Curves*, University of Michigan
- 2018-10 **“Logarithmic GLSM moduli spaces”**, *Moduli Spaces: Birational Geometry and Wall Crossings*, BIRS
- 2018-08 **“Logarithmic GLSM”**, *Workshop on Higher Genus Gromov-Witten invariants*, Institute of Advanced Study in Mathematics, Zhejiang University
- 2018-06 **“On higher genus Gromov-Witten invariants of quintic threefolds”**, *AMS/CMS Joint International Meeting, Special Session on Symplectic Geometry*, Fudan University, Shanghai
- 2018-05 **“Compactifying the space of maps with a p-field”**, *Crossing the Walls in Enumerative Geometry*, Snowbird, Utah
- 2018-03 **“Log compactifications of GLSM moduli spaces”**, *Structures in Enumerative Geometry*, MSRI
- 2018-01 **“Yamaguchi-Yau’s conjecture and finite generation”**, *Higher genus workshop*, ETH Zürich
- 2018-01 **“Moduli spaces and virtual classes related to the quintic”**, *Higher genus workshop*, ETH Zürich
- 2017-05 **“Wall-crossing in Higher-Genus Quasimap Theory”**, *RTG/FRG Mirror Symmetry Conference for Young Researchers*, University of Michigan
- 2017-05 **“A conjectural formula for Witten’s r-spin class”**, *Geometry of Moduli Spaces*, UC San Diego
- 2017-03 **“Faber’s tautological relations”**, *Workshop on Enumerative Geometry*, Institut Henri Poincaré, Paris
- 2017-01 **“Higher genus epsilon wall-crossing via localization”**, *FRG Workshop: Crossing the Walls in Enumerative Geometry*, Columbia University
- 2017-01 **“Conjectural formula for Witten’s r-spin class”**, *RTG Conference on Witten’s r-spin class and related topics*, University of Michigan
- 2016-07 **“Frobenius manifolds near the discriminant and relations in the tautological ring”**, *AMS von Neumann Symposium*, Hilton Charlotte University Place
- 2016-06 **“Wall-crossing in higher genus FJRW-theory of the quintic”**, *Chengdu International Conference on Gromov-Witten Theory*, Sichuan University

- 2016-05 **“Around Pixton’s formula for the double ramification cycles”**, *Workshop on Symplectic Geometry and Mathematical Physics*, Beijing International Center for Mathematical Research
- 2016-02 **“Pixton’s formulas: a proof for functions and a sketch for differentials”**, *Moduli spaces of holomorphic differentials*, Berlin
- 2015-08 **“A formula for the double ramification cycle”**, *George Boole Mathematical Sciences Conference*, Cork, Ireland
- 2015-06 **“Pixton’s formula for the double ramification cycle”**, *AMS-EMS-SPM International Meeting*, Porto, Portugal
- 2015-06 **“Frobenius manifolds near the discriminant and relations in the tautological ring”**, *Geometric Invariants and Spectral Curves*, Lorentz Center, Leiden
- 2014-10 **“Relations in the tautological ring”**, *Current Developments in Moduli Theory*, Northeastern University
- 2014-10 **“r-spin relations on the moduli space of curves: new connections”**, *Workshop on Pixton’s conjectures*, ETH Zürich
- 2014-09 **“Tautological relations from equivariant P^1 ”**, *Summer School: “Modern trends in Gromov-Witten theory”*, Leibniz Universität Hannover
- 2013-10 **“Relations in the tautological ring from stable quotients”**, *FIM Conference: “Cohomology of the moduli space of curves”*, ETH Zürich
- 2012-09 **“Diophantine equations, heights and the Manin conjecture”**, *Studienkonferenz DMV*, Saarbrücken
Mini-course
- 2019-02 **“Variants of the DR cycle”**, *Winter School on Enumerative Geometry and Modular Forms*, Frankfurt
Seminar
- 2023-11 **“A naive count of curves with tangencies”**, *Algebraic Geometry Seminar*, University of Illinois, Chicago
- 2023-11 **“What is the moduli space of curves?”**, *What is ... Seminar*, UIUC
- 2023-09 **“Higher genus mirror symmetry for quintic threefolds”**, *Mathematical Physics Seminar*, Purdue
- 2023-09 **“Fixed point loci in moduli problems”**, *Algebraic Geometry Seminar*, UIUC

- 2023-03 **“All genus LG/CY correspondence via log GLSM”**, *Online Algebraic Geometry Seminar*, Academia Sinica Taipei
- 2022-05 **“Punctured R-maps”**, *Algebra Seminar*, University of Oregon
- 2022-03 **“Counting covers of a torus”**, *Graduate Seminar*, University of Notre Dame, Zoom
- 2022-03 **“Counting curves on quintic threefolds”**, *Algebraic Geometry and Number Theory Seminar*, Chalmers/the University of Gothenburg, Zoom
- 2021-10 **“Higher genus mirror symmetry for complete intersection Calabi-Yau threefolds”**, *Geometry and Physics Seminar*, Northwestern University, Zoom
- 2021-07 **“Counting curves on quintic threefolds”**, *Arithmetische und Algebraische Geometrie*, LMU Munich, Zoom
- 2021-03 **“Tautological classes from complete intersections”**, *AGCA*, Notre Dame, Zoom
- 2020-05 **“The locus of curves with holomorphic differentials and Witten’s r-spin class II”**, *Algebraic Geometry and Moduli Zoominar*, ETHZ, Zoom
- 2019-11 **“Counting curves on quintic threefolds”**, *Algebraic Geometry Seminar*, Princeton University
- 2019-10 **“On Gromov-Witten invariants of quintic threefolds”**, *Algebra-Number Theory Seminar*, University of Maryland
- 2019-03 **“On Gromov-Witten invariants of quintic threefolds”**, *Algebraic Geometry Seminar*, University of Michigan
- 2019-03 **“Holomorphic Anomaly Equations for quintic threefolds”**, *Algebraic Geometry Seminar*, Harvard/MIT
- 2019-02 **“Logarithmic GLSM moduli spaces”**, *Algebraic Geometry Seminar*, University of Utah
- 2019-01 **“Enumerative Geometry: Old and New”**, *Algebra/Topology Seminar*, University of Copenhagen
- 2018-12 **“Enumerative Geometry: Old and New”**, *Differential Geometry and Symplectic Topology Seminar*, University of Minnesota
- 2018-11 **“From holomorphic differentials to Witten’s r-spin class”**, *Topology Seminar*, University of Michigan
- 2018-10 **“Logarithmic GLSM moduli spaces”**, *Geometry and Physics Seminar*, University of Michigan

- 2018-06 **“On higher genus Gromov-Witten invariants of quintic threefolds II”**, *Helvetic Algebraic Geometry Seminar*, Schloss Hünigen, Switzerland
- 2018-06 **“On higher genus Gromov-Witten invariants of quintic threefolds I”**, *Helvetic Algebraic Geometry Seminar*, Schloss Hünigen, Switzerland
- 2018-05 **“On Gromov-Witten invariants of hypersurfaces”**, *EGN Moduli and Representation Theory seminar*, MSRI
- 2018-04 **“On Gromov-Witten invariants of quintic threefolds”**, *Algebraic Geometry Seminar*, University of Arizona
- 2018-04 **“On Gromov-Witten invariants of quintic threefolds”**, *Algebra Seminar*, University of Oregon
- 2018-01 **“Moduli of meromorphic functions on algebraic curves”**, *Analysis and Geometry Seminar*, Central Michigan University
- 2017-12 **“Structures for Gromov-Witten invariants of quintic threefolds”**, *Algebraic Geometry Seminar*, Harvard/MIT
- 2017-10 **“Genus two curves on quintic threefolds”**, *Algebraic Geometry Seminar*, Stanford
- 2017-08 **“Four ways of computing the locus of holomorphic differentials”**, *Algebraic Geometry and Moduli Seminar*, ETH Zürich
- 2017-04 **“Four ways to compute strata of holomorphic differentials”**, *Algebraic Geometry Seminar*, University of Minnesota
- 2017-04 **“Wall-Crossing via Localization”**, *Geometry and Physics Seminar*, University of Michigan
- 2016-10 **“Topological Recursion Relations from Pixton’s relations”**, *Algebraic Geometry Seminar*, Ohio State University
- 2016-09 **“Topological Recursion Relations”**, *Geometry and Physics Seminar*, University of Michigan
- 2016-02 **“Double ramification cycles”**, *Informal Mathematical Physics Seminar*, Columbia University, New York
- 2015-11 **“A formula for the double ramification cycle”**, *Mathematics - String Theory Seminar*, IPMU
- 2015-09 **“Wall-crossing in higher genus FJRW theory”**, *Symplectic Geometry and Mathematical Physics*, Beijing International Center for Mathematical Research

- 2015-05 **“Pixton’s formula for the double ramification cycle”**, *Symplectic Geometry and Mathematical Physics*, Beijing International Center for Mathematical Research
- 2015-03 **“The moduli space of curves and the Airy function”**, *Séminaire de géométrie algébrique*, Paris
- 2015-02 **“Pixton’s double ramification cycle relations”**, *Algebraic Geometry and Moduli Seminar*, ETH Zürich
- 2015-02 **“Pixton’s formula for double ramification cycles II”**, *Forschungsseminar “Algebraische Geometrie”*, HU Berlin
- 2014-10 **“The tautological ring and cohomological field theories”**, *Geometry and Physics Seminar*, University of Michigan
- 2014-01 **“Tautological relations and chomological field theories”**, *Algebraic Geometry Seminar*, University of Utah
- 2013-07 **“Relations in the tautological ring from stable quotients”**, *Algebraic Geometry and Moduli Seminar*, ETH Zürich
- 2012-03 **“The housing theorem”**, *Algebraic Geometry Seminar*, ETH Zürich
- Others
- 2019-11 **“The logarithmic gauged linear sigma model”**, *Future Science Prize Forum*, Beijing, China
- 2019-09 **“Counting curves on quintic threefolds”**, *Short talks by postdoctoral members*, IAS Princeton
- 2015-03 **“What is ... a tautological class”**, *Graduate Colloquium*, ETH Zürich

———— Service

- Organizer of the Simons Center for Geometry and Physics program and workshop on “Recent developments in higher genus curve counting” (2025)
- Organizer of the “Workshop on Tevelev degrees and related topics” (2024)
- Member of the UIUC math department postdoc search committee (Fall 2024, Spring 2025)
- Member of the UIUC math department Climate, Equity and Inclusivity committee (Fall 2023, Spring 2024)
- Member of the Notre Dame math department postdoc committee (Fall 2022)
- Main organizer for NSF workshop on matrix factorizations and related topics (2022)
- Co-leader at the Riverbend Math Circle (Fall 2022)
- Judge at the Northern Indiana Regional Science & Engineering Fair (2022)

- and 2023)
- Main organizer for FRG workshop on strata of abelian differentials and related topics (2019)
 - Local organizer for Workshop on Modular structures in Gromov-Witten theory and related topics (2018)
 - Organizer for Workshop on Higher Genus Gromov-Witten theory invariants (2018)
 - Organizer for FRG/RTG mirror symmetry conference for young researchers (2017)
 - Main organizer for RTG conference on Witten's class and related topics (2017)
 - Reviewer for *Advances*, *Algebraic Geometry* (Compositio Foundation), *Algebra & Number Theory*, *Annals of Combinatorics*, *Communications in Mathematical Physics*, *Compositio*, *Duke*, *Inventiones*, *Forum of Math Pi*, *G&T*, *IMRN*, *JAMS*, *JEMS*, *JIMJ*, *Notices AMS*, *Portugaliae Mathematica*, *Selecta* and *SIGMA*
 - Member of NSF proposal review panel (2021)
 - Reviewer for *AMS Mathematical Reviews*
 - Dissertation committee member for Omar Musleh, Patrick Lei, Wern Yeong, Eric Jovinelly, Nachiketa Adhikari, Renata Picciotto, Rachel Webb, Rongxiao Mi
 - Preliminary exam committee member for Ruoxi Li, Omar Musleh, Zijing Ye, Deirdre Coulter, Juan Lanfranco, Jake Zoromski, Nawaz Sultani

Conference Participation

- 2023-06 **Arithmetic, Birational Geometry, and Moduli Spaces**, *Brown University*
- 2022-05 **Topics in Enumerative Geometry**, *University of Oregon*
- 2021-06 **Enumerative geometry of surfaces**, *Oberwolfach, Germany*
- 2019-09 **AGNES**, *Boston College*
- 2019-03 **AGNES**, *UMass Amherst*
- 2018-09 **AGNES**, *Brown University*
- 2018-05 **Through the Looking-Glass: Mirror Symmetry and Quantum Cohomology**, *UC Berkeley*
- 2018-03 **Mirror Symmetry and Enumerative Geometry**, *UC Berkeley*
- 2018-03 **WAGS**, *SFSU*
- 2017-07 **Conference on Enumerative Geometry, Mirror Symmetry and Physics**, *University of Illinois at Urbana-Champaign*

- 2016-06 **String Math**, *College de France*
- 2016-06 **Workshop - Curves on surfaces and 3-folds**, *CIB-EPFL*
- 2016-06 **Workshop on Global Mirror Symmetry**, *Chern Institute of Mathematics*
- 2015-07 **Summer Research Institute on Algebraic Geometry**, *University of Utah*
- 2015-01 **SwissMAP Geometry and Topology conference**, *Engelberg, Switzerland*
- 2014-09 **British Algebraic Geometry Meeting**, *University of Warwick*
- 2014-06 **Classical Algebraic Geometry**, *Oberwolfach, Germany*
- 2014-04 **Mirror symmetry and spin curves**, *Cortona, Italy*
- 2013-10 **Cohomology of the moduli space of curves**, *ETH Zürich*
- 2013-08 **Summer School on Moduli spaces in algebraic geometry and physics**, *Hamburg*
- 2013-07 **Conference on Algebraic Geometry**, *University of Amsterdam*
- 2013-05 **Advanced Course: “Compactifying moduli spaces”**, *CRM*
- 2013-01 **Geometry of sheaves in low dimensions**, *Centro Stefano Franscini, Ascona*
- 2012-10 **Geometry and topology of moduli**, *Humboldt Universität Berlin*
- 2012-06 **GAeL**, *Grenoble*
- 2012-04 **The moduli space of curves and its intersection theory**, *KTH, Stockholm*
- 2011-07 **3rd Summer Workshop on Algebraic Geometry**, *Tübingen*
- 2011-03 **Winter School “Heights and Algebraic Numbers”**, *Eberhard-Karls-Universität Tübingen*