

Felix Janda

Curriculum Vitae

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Nationality: Germany (US permanent resident)
Pronouns: he/him/his

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 Insitute 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

- 2023–2028 NSF CAREER grant DMS-2239320.
- 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

1. “*Punctured Logarithmic R-maps*” (with Qile Chen and Yongbin Ruan) **submitted**, arXiv:2208.04519
2. “*A comparison of group testing architectures for COVID-19 testing*” (with Joshua Batson, Yaim Cooper, Nathaniel Bottman) , arXiv:2005.03051
3. “*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
4. “*The logarithmic gauged linear sigma model*” (with Qile Chen and Yongbin Ruan) in “**Inventiones mathematicae**”, **225(3)**, **1077-1154**, **2022**, arXiv:1906.04345
5. “*Structure of Higher Genus Gromov-Witten invariants of Quintic 3-folds*” (with Shuai Guo and Yongbin Ruan) , arXiv:1812.11908
6. “*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
7. “*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
8. “*A mirror theorem for genus two Gromov-Witten invariants of quintic threefolds*” (with Shuai Guo and Yongbin Ruan) , arXiv:1709.07392
9. “*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
10. “*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
11. “*Higher-genus quasimap wall-crossing via localization*” (with Emily Clader and Yongbin Ruan) **accepted at “Algebraic Geometry” (Foundation Compositio Mathematica)**, arXiv:1702.03427
12. “*Appendix on the class of the locus of 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
13. “*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
14. “*Double ramification cycles on the moduli space of curves*” (with Rahul Pandharipande, Aaron Pixton and Dimitri Zvonkine) in “**Publications de l’IHES**” **125 (2017)**, **221–266**, arXiv:1602.04705
15. “*Pixton’s double ramification cycle relations*” (with Emily Clader) in

- “Geometry and Topology” 22-2 (2018), 1069–1108, arXiv:1601.02871
16. “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
 17. “Appendix: The weighted fundamental class of $\tilde{\mathcal{H}}_g(\mu)$ ” (with Rahul Pandharipande, Aaron Pixton and Dimitir 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
 18. “Frobenius Manifolds near the Discriminant and Relations in the Tautological Ring” part of thesis, in “Letters in Mathematical Physics” 108 (2018), no 7, 1649–1675, arXiv:1505.03419
 19. “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
 20. “Comparing tautological relations from the equivariant Gromov-Witten theory of projective spaces and spin structures” part of thesis, not submitted, arXiv:1407.4778
 21. “Gromov-Witten theory of target curves and the tautological ring” in Michigan Mathematical Journal, Volume 66, Issue 4 (2017), (683–698), arXiv:1308.6182
 22. “Tautological relations in moduli spaces of weighted pointed curves” part of thesis, not submitted, arXiv:1306.6580
 23. “Socle pairings on tautological rings” (with Aaron Pixton) in Epijournal de Géométrie Algébrique, Volume 3 (2019), Article no. 4, arXiv:1304.0026
 24. “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

- Winter 2023– Undergraduate reading and research with Jonathan Pal.
- Winter 2021 Directed reading with Juan Lanfranco.
- 2019 – 2022 PhD 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).

- Teaching experience and training
- Fall 2023 **MATH 347: Fundamental Mathematics**, Instructor.
 - May 2023 attend “**NDSstart: 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
- 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*, IHP.
- 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
- 2023-09 **“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

- Member of the UIUC math department Climate, Equity and Inclusivity committee (Fall 2023)
- Member of the Notre Dame math department postdoc committee (Fall 2022)
- Main organizer for FRG 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 in Algebraic Geometry* (Compositio Foundation), *Algebra & Number Theory*, *Annals of Combinatorics*, *Compositio*, *Duke*,

- Inventiones, Forum of Math Pi, G&T, IMRN, JAMS, JEMS, JIMJ, Portugaliae Mathematica, Selecta and SIGMA
- Serving on an NSF proposal review panel
 - Reviewer for AMS Mathematical Reviews
 - Dissertation committee member for Rongxiao Mi, Rachel Webb and Renata Picciotto

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*.