

CURRICULUM VITAE FOR MICHAEL E. STILLMAN

Department of Mathematics

Cornell University

Ithaca, New York 14850

EDUCATION

Ph.D., Mathematics, Harvard University, 1983 (advisor: David Mumford)

B.A., Mathematics, University of Illinois, 1978

PROFESSIONAL EXPERIENCE

1998-present Cornell University, Professor of Mathematics
1992-1998 Cornell University, Associate Professor of Mathematics
1987-1992 Cornell University, Assistant Professor of Mathematics
1986-1987 M.I.T, N.S.F. Postdoctoral Research Fellow
1985-1986 Brandeis University, N.S.F. Postdoctoral Research Fellow
1983-1985 University of Chicago, L.E. Dickson Instructor
1979-1982 Harvard University, Teaching Fellow

AWARDS AND GRANTS

1. Dean's Distinguished Visiting Professor (DDVP), University of Toronto, Jan 2025 - June 2025
2. Received Stephen H. Weiss Presidential Fellow Award, for undergraduate teaching (2023-2028), awarded October 2023
3. Received Simon's Fellowship Grant in Mathematics to support my sabbatical Jan 1 - Dec 31, 2023
4. Recipient of the 2019 Jenks Memorial Prize for Excellence in Software Engineering applied to Computer Algebra, awarded at ISSAC 2020, Kalamata, Greece, (virtual conference, sigh...) July 2020.
5. Department of Mathematics Senior Faculty Teaching Award, December, 2016.
6. Named Fellow of the American Math Society, 2015.
7. Continuous National Science Foundation support, 1984 - present. Current 5-year NSF grant 2020-2025.
8. Stephen and Margery Russell Distinguished Teaching Award, 2013.
9. Department of Mathematics Senior Faculty Teaching Award, 2002.

SERVICE

1. Director of Graduate Studies, Mathematics, 2014 - June 2016, July 2017 - June 2018, July 2019 - June 2020
2. Arts and Sciences Teaching and Advising Awards committee, 2014-2016.
3. Faculty fellow for Donlon Hall, 2014-May 2020.
4. Math Dept Diversity committee, 2012-2015.

BOOKS

1. David Eisenbud, Daniel R. Grayson, Michael Stillman, and Bernd Sturmfels, editors. *Computations in algebraic geometry with Macaulay 2*, volume 8 of *Algorithms and Computation in Mathematics*. Springer-Verlag, Berlin, 2002.
2. Michael Stillman, Nobuki Takayama, and Jan Verschelde, editors. *Software for algebraic geometry*, volume 148 *IMA Volumes in Mathematics and its Applications*. Springer-Verlag, New York, 2008.

SOFTWARE

1. *Macaulay*, *A system for computing in algebraic geometry and commutative algebra*. Available via anonymous ftp from math.columbia.edu. (1986-1993) (with D. Bayer).
2. *Macaulay 2*, *A system for computing in algebraic geometry and commutative algebra*. Available via <http://www.math.uiuc.edu/Macaulay2> (1993-2023) (with D. Grayson, and since 2009, D. Eisenbud, and recently, also with A. Leykin).

RESEARCH PUBLICATIONS

1. David Mumford. *Tata lectures on theta. I*, volume 28 of *Progress in Mathematics*. Birkhäuser Boston Inc., Boston, MA, 1983. With the assistance of C. Musili, M. Nori, E. Previato and M. Stillman.
2. David Mumford. *Tata lectures on theta. II*, volume 43 of *Progress in Mathematics*. Birkhäuser Boston Inc., Boston, MA, 1984. Jacobian theta functions and differential equations, With the collaboration of C. Musili, M. Nori, E. Previato, M. Stillman and H. Umemura.
3. Michael Stillman. *Construction of holomorphic differential forms on the moduli space of abelian varieties*, Ph.D. Thesis, Harvard (1983).
4. David Bayer and Michael Stillman. *The design of Macaulay: a system for computing in algebraic geometry and commutative algebra*, Proc. of the 1986 A.C.M. Symposium on Symbolic and Algebraic Computation (ed. B.Char), 157-162 (1986). (refereed proceedings)
5. David Bayer and Michael Stillman. A criterion for detecting m -regularity. *Invent. Math.*, 87(1):1–11, 1987.
6. David Bayer and Michael Stillman. A theorem on refining division orders by the reverse lexicographic order. *Duke Math. J.*, 55(2):321–328, 1987.
7. David Bayer and Michael Stillman. On the complexity of computing syzygies. *J. Symbolic Comput.*, 6(2-3):135–147, 1988. Computational aspects of commutative algebra.
8. David Eisenbud, Jee Koh, and Michael Stillman. Determinantal equations for curves of high degree. *Amer. J. Math.*, 110(3):513–539, 1988.
9. Jee Koh and Michael Stillman. Linear syzygies and line bundles on an algebraic curve. *J. Algebra*, 125(1):120–132, 1989.
10. Mike Stillman. Methods for computing in algebraic geometry and commutative algebra. *Acta Appl. Math.*, 21(1-2):77–103, 1990.
11. Dave Bayer and Mike Stillman. Computation of Hilbert functions. *J. Symbolic Comput.*, 14(1):31–50, 1992.
12. Dave Bayer and Mike Stillman. Some matrices related to Green’s conjecture. In *Free resolutions in commutative algebra and algebraic geometry (Sundance, UT, 1990)*, volume 2 of *Res. Notes Math.*, pages 79–90. Jones and Bartlett, Boston, MA, 1992.
13. Michela Brundu and Mike Stillman. Computing the equations of a variety. *Trans. Amer. Math. Soc.*, 337(2):677–690, 1993.
14. Dave Bayer, André Galligo, and Mike Stillman. Gröbner bases and extension of scalars. In *Computational algebraic geometry and commutative algebra (Cortona, 1991)*, Sympos. Math., XXXIV, pages 198–215. Cambridge Univ. Press, Cambridge, 1993.
15. Hal Schenck and Mike Stillman. Local cohomology of bivariate splines. *J. Pure Appl. Algebra*, 117/118:535–548, 1997. Algorithms for algebra (Eindhoven, 1996).
16. Alyson Reeves and Mike Stillman. Smoothness of the lexicographic point. *J. Algebraic Geom.*, 6(2):235–246, 1997.
17. Hal Schenck and Mike Stillman. A family of ideals of minimal regularity and the Hilbert series of $C^r(\hat{\Delta})$. *Adv. in Appl. Math.*, 19(2):169–182, 1997.
18. David Eisenbud, Mircea Mustață, and Mike Stillman. Cohomology on toric varieties and local cohomology with monomial supports. *J. Symbolic Comput.*, 29(4-5):583–600, 2000. Symbolic computation in algebra, analysis, and geometry (Berkeley, CA, 1998).
19. Roberto La Scala and Michael Stillman. Strategies for computing minimal free resolutions. *J. Symbolic Comput.*, 26(4):409–431, 1998.
20. Mark Green and Michael Stillman. A tutorial on generic initial ideals. In *Gröbner bases and applications (Linz, 1998)*, volume 251 of *London Math. Soc. Lecture Note Ser.*, pages 90–108. Cambridge Univ. Press, Cambridge, 1998.
21. Daniel Grayson and Mike Stillman. *Appendix: Using Macaulay 2*. In *Computational methods in commutative algebra and algebraic geometry*, (by Wolmer V. Vasconcelos) volume 2 of *Algorithms and*

- Computation in Mathematics*. Springer-Verlag, Berlin, 1998.
22. Michael Stillman and Harrison Tsai. Using SAGBI bases to compute invariants. *J. Pure Appl. Algebra*, 139(1-3):285–302, 1999. Effective methods in algebraic geometry (Saint-Malo, 1998).
 23. Irena Peeva and Mike Stillman. Local equations for the toric Hilbert scheme. *Adv. in Appl. Math.*, 25(4):307–321, 2000.
 24. Irena Peeva and Mike Stillman. Toric Hilbert schemes. *Duke Math. J.*, 111(3):419–449, 2002.
 25. Michael Stillman. Computing in algebraic geometry and commutative algebra using Macaulay 2. *J. Symbolic Comput.*, 36(3-4):595–611, 2003. International Symposium on Symbolic and Algebraic Computation (ISSAC’2002) (Lille).
 26. Michael Stillman, Bernd Sturmfels, and Rekha Thomas. Algorithms for the toric Hilbert scheme. In *Computations in algebraic geometry with Macaulay 2*, volume 8 of *Algorithms Comput. Math.*, pages 179–214. Springer, Berlin, 2002.
 27. Daniel R. Grayson and Michael E. Stillman. Data types, functions, and programming. In *Computations in algebraic geometry with Macaulay 2*, volume 8 of *Algorithms Comput. Math.*, pages 41–53. Springer, Berlin, 2002.
 28. Luis David Garcia, Michael Stillman, and Bernd Sturmfels. Algebraic geometry of Bayesian networks. *J. Symbolic Comput.*, 39(3-4):331–355, 2005.
 29. Irena Peeva and Mike Stillman. Connectedness of Hilbert schemes. *J. Algebraic Geom.*, 14(2):193–211, 2005.
 30. Michael Stillman. Tools for computing primary decompositions and applications to ideals associated to Bayesian networks. In *Solving polynomial equations*, volume 14 of *Algorithms Comput. Math.*, pages 203–239. Springer, Berlin, 2005.
 31. Abdul Jarrah, Reinhard Laubenbacher, Brandy Stigler, and Michael Stillman. Reverse-engineering of polynomial dynamical systems. *Advances in Applied Mathematics*, 39:477–489, 2007.
 32. Andre Galligo and Michael Stillman. On the geometry of parametrized bicubic surfaces. *J. Symbolic Comput.*, 42(1-2):136–158, 2007.
 33. Irena Peeva and Michael Stillman. Flips and the hilbert scheme over an exterior algebra. *Math. Ann.*, 339:545–557, 2007.
 34. Michael Stillman, Damiano Testa, and Mauricio Velasco. Groebner bases, monomial group actions, and the cox rings of del pezzo surfaces. *J. Algebra*, 316:777–801, 2007.
 35. Gunnar Floystad and Michael Stillman. Geometric properties derived from generic initial spaces. *Proceedings of the AMS*, 3619–3625, 2009.
 36. Jeff Mermin, Irena Peeva, and Michael Stillman. Ideals containing the squares of the variables. *Advances in Math.*, 2206-2230 (2008)
 37. Brandy Stigler, Abdul Jarrah, Michael Stillman, and Reinhard Laubenbacher. Reverse-engineering of dynamic networks. *Annals of the NY Academy of Sciences*, 2007.
 38. Irena Peeva and Mike Stillman. Open problems on syzygies and Hilbert functions *J. Commutative Algebra*, 159–195, 2009.
 39. Sainudiin, Thornton, Harlow, Booth, Stillman, Yoshida, Griffiths,, McVean, Donnelly. Experiments with the Site Frequency Spectrum *Bulletin of Mathematical Biology*, 829–872, 2011.
 40. Dimitrova, Garcia-Puente, Hinkelmann, Jarrajh, Laubenbacher, Stigler, Stillman, Vera-Licona. Parameter estimation for Boolean models of biological networks. *Theoret. Comput. Sci*, **412** 2816–2826, 2011.
 41. Hal Schenck and Mike Stillman. High rank linear syzygies on low rank quadrics. *Amer J. Math*, **134**, no. 2, 561–579, 2012.
 42. Bjarke Roune and Mike Stillman. Practical Gröbner Basis computation. ISSAC 2012 proceedings. 2012.
 43. Dan Grayson, Alexandra Seceleanu, and Mike Stillman. Computing with intersection rings of flag manifolds. On arXiv:1205.4190, submitted.
 44. Franziska Hinkelmann, Lars Kastner and Mike Stillman. Try Macaulay2: A web version of Macaulay2 Submitted.
 45. Yang Hui-He, Vishnu Jejjala, Cyril Matti, Brent Nelson, Mike Stillman. Geometry of Generations. *Communications in Mathematical Physics*, **339**, no. 1, 149-190, 2015.
 46. Danielle A. Brake and Jonathan D. Hauenstein and Frank-Olaf Schreyer and Andrew J. Sommese and

- Michael E. Stillman Singular value decomposition of complexes. On arxiv, arXiv:1804.09838. SIAM J. Appl. Algebra Geom. **3** 507–522 (2019).
47. Beihui Yuan and Michael Stillman A counter-example to the Schenck-Stiller "2r+1" conjecture. Adv. in Appl. Math. **110** (2019), 33-41.
 48. Matthew Mastroeni, Hal Schenck, and Mike Stillman. Quadratic Gorenstein rings and the Koszul property 1. arXiv:1808.01282. Transactions AMS, **374**, 1077-1093 (2021)
 49. Mehmet Demirtas, Cody Long, Liam McAllister, and Michael Stillman. Minimal Surfaces and Weak Gravity. arXiv:1906.08262 (2019). J. High Energy Phys. **3** 21-43 (2020).
 50. Mehmet Demirtas, Cody Long, Liam McAllister, and Mike Stillman. The Kreuzer-Skarke Axiverse. J. High Energy Phys. **4** 138-170 (2020) arXiv:1808.01282.
 51. Andreas Braun, Cody Long, Liam McCallister, Mike Stillman, Benjamin Sung. The Hodge Numbers of Divisors of Calabi-Yau Threefold Hypersurfaces Fortschr. Phys. **68** (30 pages) (2020). arXiv:1712.04946 (69 pages).
 52. Dylan Peifer and Michael Stillman and Daniel Halpern-Leistner Learning selection strategies in Buchberger's algorithm In Proceedings of the 37th International conference on machine learning (ICML 2020). arXiv:2005.01917 (2020).
 53. Hal Schenck and Mike Stillman and Beihui Yuan A new bound for smooth spline spaces arXiv:1909.13399 J. Combinatorial Algebra, **4**, 359-367 (2020).
 54. Alex Townsend and Mike Stillman and Steven Strogatz. Dense networks that do not synchronize and sparse ones that do Chaos **30**, no 8, 7 pages (2020). arXiv:1906.10627.
 55. Matthew Mastroeni, Hal Schenck, and Mike Stillman. Quadratic Gorenstein rings and the Koszul property 2. International Math Research Notices Vol 2023-2 (2023), pp. 1461-1482.
 56. Hal Schenck and Mike Stillman and Beihui Yuan. Calabi-Yau threefolds in P^n and Gorenstein rings. Advances in theoretical and mathematical physics Vol. 26, No. 3 (2022), pp. 764-792.
 57. Grzegorz Kapustka and Michael Kapustka and Kristian Ranestad and Hal Schenck and Mike Stillman and Beihui Yuan. Quartenary Quartic Forms and Gorenstein rings. 2111.05817 Submitted, 106 pages, Dec 2021.
 58. Naomi Gendler and Manki Kim and Liam McAllister and Jakob Moritz and Mike Stillman. Superpotentials from singular divisors. JHEP, vol 11 (31 pages) (2022) arXiv:2204.06566.
 59. Heather Harrington, Mike Stillman, Alan Veliz-Cuba. An Algebraic approach for network reconstruction of discrete dynamical systems arXiv:2212.02601, Submitted 2023, in revision.
 60. Heather Harrington, Hal Schenck, Mike Stillman. Kuramoto Oscillators: Algebraic and topological aspects. arXiv:2312.16069, Submitted 2023.
 61. Naomi Gendler, Nate MacFadden, Liam McAllister, Jakob Moritz, Richard Nally, Andreas Schachner, Mike Stillman Counting Calabi-Yau Threefolds. arXiv:2310.06820 (2023)
 62. Roy Skjelnes, Greg Smith, Mike Stillman. Smooth Quot Schemes In preparation 2023.
 63. Yang Hui-He, Vishnu Jejjala, Brent Nelson, Hal Schenck, Mike Stillman MSSM: A Macaulay2 package for the vacuum moduli space ACM Commun. Comput. Algebra **57** (2023), no. 2, 39–42.
 64. Yang Hui-He, Vishnu Jejjala, Brent Nelson, Hal Schenck, Mike Stillman Equations for the MSSM vacuum moduli space. In preparation, 2023.

JOURNAL EDITORSHIPS

1. Associate editor, International Journal of Data Science in the Mathematical Sciences (worldscientific.com) (2022-present)
2. Associate editor, Journal: Software in Algebraic Geometry (2009 - present)
3. Associate editor, Mathematics of Computation (2006 - 2013)
4. Algebraic geometry editor, Proceedings of the A.M.S. (1996 - 2006)

CONFERENCE AND SEMINAR ORGANIZATION AND PARTICIPATION

- Invited seminar (Algebra), KTH, Stockholm, November 29, 2023
- Invited seminar (Applied CATS), KTH, Stockholm, November 28, 2023

- Invited seminar (combinatorics), KTH, Stockholm, November 22, 2023
- Invited colloquium, KTH and Stockholm University, November 15, 2023
- KTH, Stockholm (sabbatical) Sep 5 - Dec 15, 2023
- Macaulay2 workshop, AIM, Caltech, CA, September 25-29, 2023
- Macaulay2 workshop, Minneapolis, June 5-9, 2023
- Macaulay2 internals workshop, Minneapolis, June 3-4, 2023
- Invited seminar, Cambridge, UK, April 26, 2023
- Invited colloquium, Edinburgh, May 10, 2023
- Oxford University (sabbatical), Jan 17-May 25, 2023
- Invited speaker, Route 81 meeting, Sep 23-24, 2022
- Invited participant, Splines, Cortona, Italy, Sep 5-9, 2022
- Invited participant, Combinatorial Algebraic Geometry, Bath, UK: Aug 1-5, 2022.
- Organizer, Macaulay2 internals workshop at Cleveland State Univ. May 26-27, 2022
- Macaulay2 conference at Cleveland State Univ. May 27-29, 2022
- Joint Physics-Mathematics Colloquium, 29 November 2021, Cornell. (with Liam McAllister) *Computational Algebraic Geometry and the Cosmological Constant*
- Organizer: Route 81 Conference (virtual), 13 November 2021
- Organizer: Macaulay2 Internals workshops (One afternoon per month, most months, all year, virtual), 2021, 2022, 2023
- Invited talk: Computational Algebraic Geometry meets String Theory. 9 August 2021, Nankai Symposium on Mathematical Dialogues, virtual.
- Invited speaker, Fourth annual conference of the SFB-TRR 195 took place virtually on Sept. 22–24, 2020 (Kaiserslautern, Germany).
- Invited speaker (Jenk’s prize talk), *ISSAC 2020*, virtual conference, July 20-22, 2020. (Kalamata, Greece).
- Program committee member of International Symposium on Symbolic and Algebraic Computation, *ISSAC 2020* (Kalamata, Greece).
- “A Macaulay2 workshop”, Warwick, UK, (virtual) June 1-5, 2020.
- “A Macaulay2 workshop”, Cleveland State University, (virtual) May 11-15, 2020.
- “A Macaulay2 Internals workshop”, Cleveland State University, (virtual) May 8-10, 2020. Additionally, other one day Macaulay2 internals workshops (12-15 participants each): Aug 14, 2020, Nov 15, 2020
- Invited speaker, National Commutative Algebra Seminar (worldwide, hosted by MSRI, via zoom), April 23, 2020.
- Invited participant, “Simons Collaboration on Arithmetic Geometry, Number Theory and Computation Annual Meeting”, Simon’s Institute, NYC, 9-10 Jan 2020.
- Invited participant, “Toric geometry”, Oberwolfach, September 22-28, 2019.
- “Organizer, A Macaulay2 workshop”, Saarbrücken, September 17-20, 2019.

- “A Macaulay2 workshop”, Minneapolis, July 22-26, 2019.
- Invited conference talk “The semigroup and cone of effective divisor classes on a hypersurface in a toric variety”, SIAM Applications of Algebraic Geometry, Bern, Switzerland, 13 July 2019
- Invited conference talk “Quadratic Gorenstein rings and the Koszul property”, Leipzig, 2 July, 2019, Summer School on Randomness and Learning in Non-Linear Algebra
- Invited seminar talk, “Quadratic Gorenstein rings and the Koszul property”, KTH, Stockholm, 26 June, 2019
- Invited seminar talk “Quadratic Gorenstein rings and the Koszul property”, Berkeley, 2 April, 2019
- Invited participant, “Simons Collaboration on Arithmetic Geometry, Number Theory and Computation Annual Meeting”, Simon’s Institute, NYC, 10-11 Jan 2019.
- Organizer, Special semester at ICERM “Nonlinear Algebra”, Providence, September-December 2018.
- Organizer, “A Macaulay2 workshop”, Madison, April 14-17, 2018.
- Organizer, Route 81 Conference on Commutative Algebra and Algebraic Geometry, Cornell, 14 October 2017.
- Tutor, “Applied Macaulay2 Tutorials”, Atlanta, GA, July 27-29, 2017.
- “Stillman’s Conjecture and other progress on free resolution”, a workshop in honor of the sixtieth birthdays of Dave Bayer and Mike Stillman, Berkeley, CA, July 17-18, 2017.
- “A Macaulay2 workshop”, part of the 60th birthday conference for Bayer and Stillman, Berkeley, CA, July 19-21, 2017.
- Invited plenary speaker, “String Pheno 2017”, Blacksburg, VA, 6-7 July, 2017, title: “Computational Algebraic Geometry meets String Theory: the search for rigid divisors and computing sheaf cohomology on Calabi-Yau hypersurfaces of toric 4-folds.”, (note: these three talks with the same name were all very different, due to the nature of the three audiences)
- Invited speaker, String Theory Seminar, Oxford, UK, 24 April 2017, title: “Computational Algebraic Geometry meets String Theory: the search for rigid divisors and computing sheaf cohomology on Calabi-Yau hypersurfaces of toric 4-folds.”
- Invited speaker, “3A in G Workshop”, Cambridge, UK, 19-21 April 2017, title: “Computational Algebraic Geometry meets String Theory: the search for rigid divisors and computing sheaf cohomology on Calabi-Yau hypersurfaces of toric 4-folds.”
- Invited participant, “Workshop on Computational and Statistical Aspects of Topological Data Analysis”, Alan Turing Institute, London, UK, 22-25 March, 2017.
- Colloquium speaker, Math Dept, Warwick, UK, 17 Mar 2017, title: “Applications of computational algebraic geometry in physics”
- Program committee, “Combinatorial Moduli Space Workshop”, Toronto, Dec 5-9, 2016.
- Organizer, “Macaulay2 Day at the Fields Institute”, Toronto, October 21, 2016.
- Invited participant, Workshop in Computational Algebra and Geometric Modeling, Oaxaca, Mexico, August 7-12, 2016.
- Organizer, “A Macaulay2 workshop”, Warwick, UK, May 2016.
- Organizer, “A Macaulay2 workshop”, Salt Lake City, May 2016.
- Invited participant, Workshop in Resolutions, Representations, and Asymptotic Algebra, Banff, Canada, April 2016.

- Program Committee Member and organizer of two sessions, “SIAM meeting on applied algebraic geometry”, Daejeon, Korea, August 2015.
- Invited speaker, Algebraic Geometry, Utah, July 2015.
- Invited set of 4 lectures and conference talk, Osaka, Japan, July 2015.
- Organizer, “A Macaulay2 workshop”, Idaho, May 2015.
- Invited participant, Workshop on splines and approximation theory, Oberwolfach, Germany, April 2015.
- FoCM (Foundations of Computational Mathematics) conference, invited speaker, Montevideo, Uruguay, December 2014.
- Workshop on Symbolic and Numerical Methods, invited, Berkeley, November 2014.
- Organizer, Route 81 Conference on Commutative Algebra and Algebraic Geometry, Cornell, September, 2014.
- Session organizer, ACA 2014 (Applications of Computer Algebra), Fordham Univ, July 2014.
- Organizer, “A Macaulay2 conference”, Urbana, June, 2014.
- Organizer, “A Macaulay2 workshop”, MSRI, Berkeley, January, 2014.
- Organizer, “Macaulay2 day”, MSRI, Berkeley, 7 February 2013.
- Organizer, “Macaulay2: Rational Points on varieties”, MSRI, Berkeley, October 2012.
- Organizer, “A Macaulay2 workshop”, Wake Forest, August 2012.
- Organizer, Route 81 conference in commutative algebra and algebraic geometry, Cornell, Sep 24, 2011 (Cornell).
- “Special Workshop: Macaulay2”, IMA, Minneapolis, July 2011.
- Organizing committee member, ISSAC 2011, San Jose, CA, June 2011.
- Panel Member, “INRIA evaluation”, Paris, March 2011.
- Organizer, “A Macaulay2 workshop”, Goettingen, March 2011.
- Organizer, “A Macaulay2 workshop”, Colorado Springs, August 2010.
- Organizer, “Macaulay2 and integral closure workshop”, MSRI, Berkeley, July 2010.
- Organizer, “Macaulay2 and intersection theory workshop”, MSRI, Berkeley, December 2009.
- Organizer, “Macaulay2 workshop: implementing algorithms in algebraic geometry”, October 2009.
- Organizer, “Macaulay2 and integral closure workshop”, MSRI, Berkeley, July 2009.
- Program committee member, “Abel Symposium on: Combinatorial aspects of commutative algebra and algebraic geometry”, (also invited speaker), June 2009.
- Organizer, “Sage days 14: Computing in algebraic geometry”, MSRI, Berkeley, March 2009.
- Organizer, “Macaulay2 day”, MSRI, Berkeley, February 2009.
- Organizer, AMS-NSF Math Research Community grad/postdoc workshop: “Computational Algebra and Convexity”, Snowbird, UT, June 2008.

GRADUATE AND POSTDOC ADVISING

- Joy Zhang, current grad student
- Dylan Peifer, Ph.D. 2021 (now working in industry)
- Beihui Yuan, Ph.D. 2021, Postdoc, Swansea University, UK
- Radoslav Zlatev, Ph.D. 2015. Goldman-Sachs.
- Kristine Jones, Ph.D. 2013. Microsoft.
- Gwyneth Whieldon, Ph.D. 2011. National Security Agency.
- Mauricio Velasco, Ph.D. 2007. Associate Professor, Universidad de los Andes.
- Achilleas Sinefakopoulos, Ph.D. 2007. Tenured Mathematics Teacher, Larissa, Greece.
- Steve Sinnot, Ph.D. 2006.
- Jeff Mermin, Ph.D. 2006. Associate Professor, Oklahoma State University.
- Chris Francisco, Ph.D. 2004. Professor, Oklahoma State University.
- Leah (Gold) Stella, Ph.D. 2002. Associate Professor, Cleveland State University.
- Hal Schenck, Ph.D. 1997. Professor and Rosemary Kopel Brown Chair, Auburn University.
- Alyson Reeves, Ph.D. 1992. Researcher, CCR.
- Harrison Tsai, NSF Postdoc, 2000–2003.
- Mathias Lederer (Marie Curie Fellowship Postdoc) (2010–2012).
- Bjarke Roune (Danish Postdoc) (2010–2012).