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Updated: March 31, 2010

## Professional Experience

Since September 2008   Professor, University of Michigan
2004/2008   Associate Professor, University of Michigan.
2001/2004   Research Fellow, Clay Mathematics Institute.

## Visiting Positions

Fall 2006  Institute for Advanced Study, Princeton.
2002/2004    Harvard University.
Spring 2002   Isaac Newton Institute for Mathematical Sciences.
Fall 2001      Université de Nice-Sophia Antipolis.

## Education

May 2001   Ph.D. in Mathematics. University of California, Berkeley.
Thesis advisor: David Eisenbud.
June 1996   M.S. in Mathematics. University of Bucharest, Romania.
June 1995   B.S. in Mathematics. University of Bucharest, Romania.

## Honors

1. Five-Year Packard Fellowship for Science and Engineering, 2006.
2. Three-Year Clay Research Fellowship, 2001.
3. Marie-Curie Fellowship, 2001 (declined).
4. The "George Lazăr" prize of the Romanian Academy, 2001.

## Grants

1. Three-year NSF grant DMS-0758454.
2. Three-year NSF grant DMS-0502127.
3. CoPI on five-year NSF RTG grant DMS-0502170 (with Igor Dolgachev, William Fulton, Robert Lazarsfeld and Karen E. Smith).
4. Co PI on NSF grant DMS-0968646 (with Karl Schwede, to support the conference "Frobenius splitting in algebraic geometry, commutative algebra and representation theory").

## Selected Talks

1. Conference on "Higher-dimensional algebraic geometry, Taipei, March 2010.

2. Conference on "Classical and recent aspects in the study of projective varieties", a conference in honor of Lucian Badescu, Genoa, January 2010.

3. Oberwolfach conference "Complex Algebraic Geometry", September 2009.

4. "Topology of algebraic varieties", a conference in honor of Anatoly Libgober, Jaca, June 2009.

5. Conference on "Classification of algebraic varieties, Schiermonokoog, May 2009.

6. MSRI workshop on "Combinatorial, enumerative and toric geometry", Berkeley, March 2009.

7. Conference on "Higher dimensional algebraic geometry: classification, minimal models, Fano varieties and stacks, Edinburgh, September 2008.

8. Invited Address, AMS Meeting at Indiana University, Bloomington, April 2008.

9. Clay Lectures, Tata Institute, Mumbai, December 2007.

10. The 6th Congress of Romanian Mathematicians, Bucharest, July 2007.

11. Banff Meeting " Commutative Algebra and its Interaction with Algebraic Geometry", June 2007.

12. "Advances in algebra and geometry", a conference in honor of David Eisenbud, MSRI, Berkeley, April 2007.

13. Colloquium, Yale University, April 2007.

14. Conference on birational geometry, Echigo-Yuzawa, December 2006.

15. Colloquium, Princeton University, November 2006.

16. Joint Brandeis-Harvard-MIT-Northeastern Colloquium, November 2006.

17. KUMUNU conference, University of Kansas, November 2006.

18. Oberwolfach meeting on Classical Algebraic Geometry, June 2006.

19. Recent Developments in Higher Dimensional Algebraic Geometry, Baltimore, March 2006.

20. The AMS Summer Institute in Algebraic Geometry, Seattle, August 2005.

21. The 4th European European Congress of Mathematics, Stockolm, June 2004.

22. The 3rd Duke Mathematical Journal conference, Duke University, April 2004.

23. Colloquium, University of Toronto, February 2004.

24. Symposium on Algebraic Geometry, Kinosaki, October 2003.

25. EAGER annual conference at Aussois, September 2003.
26. Workshop on Analysis and Resolution of Singularities, Montreal 2003.
27. Banff Meeting on Integration on Spaces of Arcs, Elliptic Genus and Chiral de Rham Complex, June 2003.
28. Banff Meeting on Commutative Algebra and Algebraic Geometry, April 2003.
29. Perspectives in Classification and Moduli Theory, Cortona, October 2002.
30. Satellite Meeting on Algebraic Geometry, Shanghai, August 2002.
31. Oberwolfach Meeting on Classical Algebraic Geometry, May 2002.
32. Workshop on Local Cohomology, Guanahuato, México, November 1999.
33. Meeting on Syzygies, Catania, Italy, June 1997.

## Lecture series and Summer schools

1 . IMPANGA Summerschool (mini-course lecturer), Bedlowo, July 2010.
2. PCMI follow-up workshop, Columbus, February 2009.
3. Lecturer and working group mentor for *Moduli Spaces and Arcs in Algebraic Geometry*, Cologne, August 2006.
4. Short course on singularities and spaces of arcs at IPM, Tehran, June 2006.
5. Mentor for the *Graduate Student Warm-up Workshop for the AMS Summer Institute in Algebraic Geometry*, Seattle, July 2005.
6. Mini-course on motivic integration at the school *Géometrie algébrique en Liberté*, Luminy, April 2004.
7. Mini-course on multiplier ideals at the meeting *Géometrie Algébrique Complexe*, Luminy, January 2003.

## Other professional activities

1. Coorganizer (with D. Eisenbud, C. Huneke and C. Polini) of the MRC program on Commutative Algebra, to be held in Snowbird, June 26–July 2, 2010.
2. Coorganizer (with M. Blickle, M. Brion, F. Enescu, S. Kumar, and K. Schwede) of the conference "Frobenius splitting in algebraic geometry, commutative algebra, and representation theory", to be held in Ann Arbor, May 17–22, 2010.

3. Organizer of the Spring school "Fourier-Mukai functors, regularity on abelian varieties, and Generic Vanishing theorems", Ann Arbor, May 2009.

4. Coorganizer (with Lucia Caporaso, Brendan Hassett, James M$^c$Kernan, and Mihnea Popa) of the MSRI workshop "Classical algebraic geometry today", Berkeley, January 2009.

5. Coorganizer (with Jeff McNeal) of the PCMI program on *Analytic and Algebraic Geometry*, Park City, July 2008.

6. Coorganizer with Mihnea Popa of the *Birational Algebraic Geometry* session, at the AMS Meeting at Indiana University, Bloomington, April 2008.

7. Organizer of the workshop *F-singularities and D-modules*, Ann Arbor, August 2007.

8. Coorganizer (with N. Budur, L. Ein, R. Lazarsfeld and V. V. Shokurov) of the AIM workshop on *Invariants of singularities and higher-dimensional algebraic varieties*, Palo Alto, August 2006.