

SAMAR ELHITTI

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Education

Ph.D. in Mathematics, Algebraic resolution of formal ideals along a valuation.
May 2008 - University of Missouri, Columbia.

Thesis Advisor: Prof. Steven Dale Cutkosky.

M.A. Mathematics, A geometric construction of minimal generating sequences.
August 2006 - University of Missouri, Columbia.

Thesis Advisor: Prof. Steven Dale Cutkosky.

Maitrise es Sciences, Statistics and Probability, About Logistic regression.

July 2001 - Lebanese University - Fanar, Lebanon.

Thesis Advisor: Prof. Elie Nehmeh.

Research Interest

Commutative Algebra, Valuation Theory and their interactions with Algebraic Geometry.

Awards

Gymnastics Honorary Coach. Student nominated, University of Missouri, 2008.

Nominated by the Math department for the Donald K. Anderson Graduate Research Assistant Award. University of Missouri, 2007.

Mathematics Distinguished Teaching Award 2003 - 2004. Department of Mathematics, University of Missouri, Columbia, May 2004.

Fellowships

PSC-CUNY 40 Research award, Research foundation, CUNY, 2009-2010.

Professional Presentation Travel Fellowship, University of Missouri, April 2008.

Graduate Professional Council Travel scholarship, University of Missouri, April 2008.

Travel Grant for Fields Institute Summer School and Conference on Valuation Theory and Integral Closures in Commutative Algebra, July 2 - 22 2006 in Ottawa Canada.

Travel Grant for Summer School on Resolution of Singularities, June 12 - 30, 2006 at the Abdus Salam International Center for Theoretical Physics - Trieste Italy.

Travel Grant for Workshop on Resolution of Singularities, factorization of birational mappings and toroidal geometry, Dec. 11-16, 2004 at Banff International Research Station, Banff Canada.

Publications

Formal Prime Ideals of Infinite Value and their Algebraic Resolution - submitted

Academic Positions

Assistant Professor New York City College of Technology, September 2008 - present.

MAT 1375 *Pre-Calculus*

MAT 1175 *Fundamentals of Mathematics*

MAT 0630 *Elementary Algebra*

Workshop Instructor Career and Academic Readiness Pathway for Economic Development and Increased Educational Mobility Program - CARPE DIEM, Research Foundation, Spring - Fall 2009.

Graduate Teaching Assistant University of Missouri, Columbia, 2002-2008.

Courses taught (as primary instructor): responsibilities included organizing the course, lecturing, leading problem solving sessions, writing and grading exams, quizzes and assignments.

MTH 1360 *Geometric Concepts*

MTH 1700 *Calculus II*

Courses taught (as primary TA): responsibilities included lecturing, leading problem solving sessions, writing and grading quizzes, and grading exams and assignments.

MTH 0110 *Intermediate Algebra*

MTH 1100 *College Algebra*

MTH 1700 *Calculus II*

MTH 1700H *Calculus II Honors*

MTH 4720 *Introduction to Abstract Algebra*

Summer Program for Middle School students *MathCounts program for 7 graders August 2004*

Tutor for the Athletics Department, University of Missouri, 2004 and private tutoring.

Invited Talks

AMS Regional Meeting, Pennsylvania State University, University Park, PA, scheduled October 24-25, 2009.

Algebra Seminar, University of Missouri, Columbia, MO, April 13 2009.

Colloquium talk, Case Western Reserve University, Cleveland, OH, April 10 2009.

City Tech Third Annual Research Conference, New York City College of Technology, Brooklyn NY, March 27 2009.

The Eighth Colloquium Fest, Graduate Center - CUNY, New York, NY, March 6-7 2009.

**Invited Talks
(continued)**

Commutative Algebra and Algebraic Geometry seminar CAAG, Graduate Center - CUNY, New York, NY, February 6 2009.

Commutative Algebra and Algebraic Geometry seminar CAAG, Graduate Center - CUNY, New York, NY, January 30 2009.

Project NExT/Young Mathematician's Network Poster Session, AMS Joint Mathematics meeting, Washington D.C, January 5 2009.

City Tech sixth annual poster session, New York City College of Technology, Brooklyn NY, November 13 2008.

Special Session in Algebraic Geometry of Matrices and Determinants, AMS Sectional Meeting, Baton Rouge, LA, March 29 2008.

Algebra Seminar, University of Nebraska, Lincoln, March 12 2008. Career talk, Lange Middle School, Columbia Missouri, February 28 2008.

Algebra Seminar, University of Missouri, November 2007.

Algebra Seminar, University of Missouri, May 2006.

Conferences

The Eighth Colloquium Fest, Graduate Center - CUNY, New York, NY, March 6-7 2009.

AMS Joint Mathematics meeting, Washington D.C, January 5-8 2009.

NYSMATYC Region IV, New York City College of Technology, Brooklyn NY October 19, 2008.

STEM @ CUNY: Creating a culture of student success, New York City College of Technology, Brooklyn NY, September 26, 2008.

AMS Regional Meeting, Davidson, NC March 3-4, 2007.

KUMUNU 7, University of Kansas, Lawrence, Kansas November 4-5, 2006.

MAGIC 05, Midwest Algebra, Geometry and their Interactions Conference, University of Notre Dame, Notre Dame October 7-11, 2005.

Training

Professional Training:

MTE workshop Mathematics Teacher Educator Technology workshop with TI-Nspire, Dallas, TX, May 29-31, 2009.

Prepare Future Faculty course and professional development seminars, University of Missouri 2007-2008

Mathematics Department Teaching Workshop, University of Missouri, August 2002

Training**Research Training:**

Fields Institute Summer School and Conference on Valuation Theory and Integral Closures in Commutative Algebra, July 2 - 22, 2006 in Ottawa Canada.

Summer School on Resolution of Singularities, June 12 - 30, 2006 at the Abdus Salam International Center for Theoretical Physics - Trieste Italy.

Workshop on Resolution of Singularities, factorization of birational mappings and toroidal geometry, Dec. 11-16, 2004 at Banff International Research Station, Banff Canada.

Affiliations

American Mathematical Society, since 2002.

Computer Skills

Mathematica, Geometer's Sketchpad, Macaulay.

Languages

Fluent in English and Arabic, intermediate in French.

References

Prof. Steven Dale Cutlosky, Department of Mathematics, University Missouri, Columbia, MO, 65211 – E-mail: dale@math.missouri.edu

Prof. Hema Srinivasan, Department of Mathematics, University Missouri, Columbia, MO, 65211 – E-mail: hema@math.missouri.edu

Prof. Dana Weston, Department of Mathematics, University Missouri, Columbia, MO, 65211 – E-mail: weston@math.missouri.edu

Sandi Athanassiou, Lower division Mathematics Coordinator, Department of Mathematics, University Missouri, Columbia, MO, 65211 – E-mail: sandi@math.missouri.edu

Teri Christiansen, Calculus Coordinator, Department of Mathematics, University Missouri, Columbia, MO, 65211 – E-mail: teri@math.missouri.edu