

Curriculum Vitae

JANET STRIULI

Contact information

Department of Mathematics and Computer Science (203) 254-4000 ext. 2923 (office)
106 Bannow Science Center, Fairfield University
Fairfield, CT, 06824-5195 jstriuli@mail.fairfield.edu

Education

August 2005 Ph.D. in Mathematics, University of Kansas.
Thesis: *Extensions of modules and uniform Artin-Rees properties.*
Advisor: Professor Craig Huneke.
August 2001 Master Degree in Mathematics, University of Kansas.
November 1998 Laurea in Matematica, Università degli Studi di Trieste, Italy.

Research Interests

Commutative Algebra, Homological Algebra.

Career

Aug. 2008– Assistant Professor, Department of Mathematics and Computer Science
Fairfield University, Fairfield, CT.
Aug. 2005–Aug. 2008 Marilyn Hitz Research Assistant Professor, Department of Mathematics
University of Nebraska–Lincoln, NE.
Aug. 2000–Aug. 2005 Ph.D. Student, Graduate Teaching/Research Assistant.
Department of Mathematics, University of Kansas, Lawrence, KS.
Aug. 1999 - Aug. 2000 Mathematics and Physics Instructor.
Liceo Scientifico e Classico, Don Bosco, Pordenone, Italy.
May-June 1999 Trainee at Electrolux and Physics Instructor.

Grant Support and Awards

Aug. 2009 PASI travel Grant
Summer School, Brasil
March 2009 AWM-NSF Mentoring Travel Grant Selection Committee (\$2350)
University of Missouri–Columbia.
February 2009 Science Institute Grant–Fairfield University.
partly spent at the University of Kansas, Lawrence, KS.
January 2008 Recipient “Certificate of Recognition for Contribution to Students”
UNL Parents Association
January 2008 ONR-NSA Grant (\$700).
AWM Workshop, Joint Meeting, San Diego, CA.
June 2007 AWM-NSF Travel Grant (\$465).
Banff International Research Station, Canada.
Summers 2001-2004 U.G. Mitchell Graduate Scholarship, University of Kansas.
June 2000 - Dec. 2000 University of Trieste Grant (\$8,600).
University of Kansas, Lawrence, KS.
May 1998 - May 1999 Italian Center of Research (CNR) Grant (\$3,500).
University of Trieste, Italy.
Feb. 1997 - Jul. 1997 Scholarship for Erasmus program, University of Granada, Spain.

Publications and Preprints

1. *On extensions of modules.*
Journal of Algebra 285 (2005), no. 1, 383–398.
2. *A uniform property for syzygies in rings of dimension one and two.*
Journal of Pure and Applied Algebra 210 (2007), 577–588.
3. *Uniform Artin-Rees in rings of dimension one and two.*
Rendiconti dell'Istituto di Matematica dell'Universita' di Trieste; accepted.
4. *Finite Gorenstein representation type implies simple singularity.*
With Lars W. Christensen, Greg Piepmeyer and Ryo Takahashi.
Advances in Mathematics 218 (2008), 1012–1026.
5. *Construction of big indecomposable modules,* with Andrew Crabbe
Proceedings of the American Mathematical Society 137 (2009), no. 7, 2181–2189.
6. *Growth of Bass numbers.*
With Lars W. Christensen and Oana Veliche.
Journal of the London Mathematical Society, accepted for publication.
7. *Degree of the Hilbert polynomial for cohomology modules*
With Andrew Crabbe, Daniel Katz, Emanoil Theodorescu. Submitted on October 2008.

Talks at Conferences and Workshops

- May 2008 *Degree of the generalized Hilbert polynomial and applications*
Commutative Algebra: Connections with Algebraic Topology and Representation Theory
University of Nebraska-Lincoln, Lincoln, NE.
- Jan. 2008 *Growth of the Bass Numbers.* AWM Workshop.
Joint Mathematical Meeting, San Diego CA.
- Sep. 2007 *On the number of isomorphism classes of totally reflexive modules.*
KuMuNu VIII, University of Nebraska–Lincoln, Lincoln, NE.
- Jun. 2007 *Finite Gorenstein representation type implies simple singularity.*
Commutative Algebra and its Interaction with Algebraic Geometry
BIRS, Banff AB, Canada.
- May 2007 *Finite Gorenstein representation type implies simple singularity.*
Advances in Algebra and Geometry, MSRI, Berkeley CA.
- Oct. 2006 *Uniform properties for infinite resolutions.*
Regional Meeting, University of Nebraska-Lincoln, Lincoln, NE.
- Apr. 2006 *Artin-Rees for syzygies in dimension two.* AMS Special Session (#1015).
Commutative Algebra. Florida International University, Miami, FL.
- Aug. 2005 *Complete resolutions and Tate cohomology.*
Supporting talk, Workshop in Commutative Algebra.
Minnowbrook Adirondack Conference Center, Syracuse, NY.
- Jan. 2005 *Artin-Rees for syzygies.* AMS Special Session (#1005).
Commutative Algebra. Atlanta, GA.
- Oct. 2004 *Extensions of Modules.* AMS Special Session (#999).
Local and Homological Algebra. Vanderbilt University, Nashville, TN.
- Apr. 2004 *Extensions of modules.* AMS Special Session (#997).
Commutative Algebra. Rider University, Lawrenceville, NJ.

Invited Lectures and colloquia¹

- Apr. 2009 *Syzygies of the canonical module over almost Gorenstein rings* (Algebra seminar)
Purdue University, West Lafayette, IN.
- Apr. 2009 *Totally reflexive modules over almost Gorenstein rings* (Algebra seminar)
University of Lincoln-Nebraska, Lincoln, NE
- Mar. 2009 *Totally Reflexive modules over Teter rings* (Algebra, Algebraic Geometry seminar),
CUNY graduate center.
- Sep. 2008 *Representation theory in Commutative Algebra* (Algebra, Algebraic Geometry seminar),
CUNY graduate center.
- Aug. 2008 *Finiteness conditions on the category of totally reflexive modules* (Algebra Seminar)
Department of Mathematics, University of South Carolina, SC.
- Feb. 2008 *Extracting information from free resolutions.* (Colloquium)
Department of Mathematics, Fairfield University, CT.
- Feb. 2008 *Extracting information from free resolutions.* (Colloquium)
Department of Mathematics, Xavier University, OH.
- Feb. 2008 *Extracting information from free resolutions.* (Colloquium)
Department of Mathematics, University of Akron, OH.
- Nov. 2007 *Finite representation type and totally reflexive modules.*
(Seminario di Algebra e Geometria)
Departamento di Matematica, Universita' di Trieste, Italy.
- Nov. 2007 *Growth of the Bass numbers.* (Algebra Seminar)
Department of Mathematics, University of Missouri-Columbia, Columbia, MO.
- Nov. 2007 *Finite properties of infinite resolutions.* (Colloquium)
Department of Mathematics, Cal Poly, San Luis Obispo, CA.
- Oct. 2007 *What is finite in an infinite resolution?* (Algebra Seminar)
Department of Mathematics, Texas Tech University, Lubbock, TX.
- Apr. 2007 *Finite properties of infinite resolutions.* (Colloquium)
Department of Mathematics, North Dakota State University, Fargo, ND.
- Mar. 2007 *A Ring with finitely many totally reflexive modules is Gorenstein.* (Alg. Seminar)
Department of Mathematics, University of California, Riverside, CA.
- Feb. 2007 *\mathcal{G} -cover and the residue field.* (Algebra Seminar)
Department of Mathematics, University of Kansas, Lawrence, KS.
- Nov. 2006 *A short proof of a theorem of Braun.* (Commutative Algebra Seminar)
Department of Mathematics, University of Utah, Salt Lake City, UT.
- Oct. 2004 *Short Exact Sequences.* (Commutative Algebra Seminar)
Department of Mathematics, University of Nebraska, Lincoln, NE.
- May 2004 *An extension of Miyata's Theorem.* (Seminario di Algebra e Geometria)
Universita' degli Studi di Trieste, Dip. di Matematica, Trieste, Italy.

Expository Lectures

- Mar. 2009 *What is a complex in algebra*
Sigma Xi Faculty Research talk, University of Fairfield, CT
- Feb. 2008 *Catalan Numbers: from the definition to open problems*
Undergraduate Lecture, University of Fairfield, CT

¹Seminars at home institutions not listed

- Feb. 2008 *Catalan Numbers: from the definition to open problems*
Undergraduate Lecture, Xavier University, OH
- Nov. 2007 *Why are free resolutions important in commutative algebra?*
Undergraduate Lecture, Università di Trieste, Italy.
- Jul. 2007 *Three problems in Graph Theory*, Summer Camp All Girls/All Math,
University of Nebraska, Lincoln, NE.
- May 2006 *Free resolutions.*, AWM Chapter, University of Kansas, Lawrence, KS.

Conferences and Summer Schools, one week or longer

- Jun. 2007 *Commutative Algebra and its Interaction with Algebraic Geometry.*
Workshop. BIRS, Banff, AB, Canada.
- Apr. 2007 *Advances in Algebra and Geometry.*
Conference. MSRI, Berkeley, CA.
- Aug. 2005 *Minnnowbrook Workshop on Commutative Algebra.*
Syracuse University Conference Center, Minnowbrook, NY.
- Jul. - Aug. 2004 *Interactions between Homotopy Theory and Algebra*
Summer School. University of Chicago, Chicago, IL.
- May - Jun. 2004 *Commutative Algebra and Interaction with Algebraic Geometry*
Summer School. ICTP, Trieste (Italy).
- Jul. 2003 *Commutative Algebra: Presentations by Young Researchers.*
Conference. Snowbird Summer Resort, Snowbird, Utah.
- Jun. 2003 *Lisbon Conference on Commutative algebra.*
Lisbon, Portugal.
- Feb. 2003 *Interaction with Homological Algebra and Representation theory.*
MSRI, Berkeley, CA.
- Dec. 2003 *Local and Birational Algebra.* MSRI, Berkeley, CA.
- Jun. 2002 *Current Trends in Commutative Algebra.* CIRM, Levico, Italy.
- Sep. 2002 *Introductory Workshop in Commutative Algebra.* MSRI, Berkeley, CA.
- May 2002 *Solving systems of polynomial equations.*
CBMS Conference. Texas A&M University, College Station, TX.
- Jul. 2001 *International School of COCOA VII*
Queen's University, Canada.
- Jul. - Aug. 1999 *Summer Course in Mathematics.*
Scuola Matematica Interuniversitaria, Perugia, Italy.

Other Conferences

- Feb. 2009 *GSU-USC Commutative Algebra seminar*, Atlanta, GA (2 days)
- Apr. 2008 *Maurice Auslander Distinguish Lectures*, Woods Hole, MS (2 days)
- 2000–2007 *Algebra Days KuMuNu II–VII*, Lawrence, KS – Lincoln, NE, (2 days)
- Jan. 2007 *AMS–MAA Joint Meeting*, New Orleans, LA, (4 days).
- Aug. 2006 *MathFest*, Knoxville, TN.
- May 2006 *Homological Conjectures in Commutative Algebra* (week long)
Snowbird Conference Center, Snowbird, Utah.
- Oct. 2005 *AMS Special Session (#1011)*, University of Nebraska, Lincoln, NE, (2 days)
- Apr. 2003 *Bluegrass Algebra Conference and Hayden-Howard Lecture.*
University of Kentucky, Lexington, KY, (2 days).
- Mar. 2001 *AMS Special Session (#964)*, University of Kansas, Lawrence, KS (2 days).

Visits of one week or longer

- May 2009 Department of Mathematics, University of Missouri, Columbia, MO.
Professor Ian Aberbach, supported by AWM Mentoring grant and Fairfield University (one month)
- Apr. 2009 Department of Mathematics, University of Lincoln-Nebraska, NE.
Support from Fairfield University.
- Aug. 2008 Department of Mathematics, University of South Carolina, SC.
Professor Adela Vraciu, support from the University of South Carolina, SC.

Professional Development

- 2008-2009 *Teaching club*. Department of Mathematics and Computer Science, Fairfield University.
- 2006-2007 *Project NExT Fellow* (Seppia Dot).
A program for recent Ph.D.s in the mathematical science,
with three workshops of one week.
- 2007 *Getting started as successful grant writer*, University of Nebraska-Lincoln.
- 2006 Semester long *teaching mentoring program*.
Mentor: Jim Lewis. University of Nebraska-Lincoln.

Service

1. Conference Organizer:
 - Oct. 2009 *Commutative Algebra and Applications to Algebraic Geometry*, with Jooyoun Hong.
AMS Special Session, Regional Meeting, Pennsylvania State University, PA.
 - Jan. 2008 *Progress in Commutative Algebra*, (with Lars W. Christensen, S. Sather-Wagstaff)
AMS Special Session, Joint Mathematics Meeting, San Diego, CA.
2. Seminar Organizer:
 - Aug. 2008 – present *Commutative Algebra and Algebraic Geometry Seminar*,
with Hans Shoutens, Laura Ghezzi, and Jooyun Hong, CUNY graduate Center,
 - 2007–2008 *Commutative Algebra Seminar*, University of Nebraska.
 - 2007–2008 *Commutative Algebra Reading Seminar*, University of Nebraska.
3. Other:
 - Guest editor for a volume of *Journal of Commutative Algebra*, 2008
 - Referee for the Journal of Pure and Applied Algebra.
 - Referee for American Mathematical Society proceedings.

Professional Membership

- Pi Mu Epsilon, since 2009.
- American Mathematical Society,
- Mathematical Association of America,
- Association for Women in Mathematics.