

Contact Information	Bahman Engheta 202 Surge Building Department of Mathematics University of California Riverside, CA 92521	✉ engheta@math.ucr.edu http://math.ucr.edu/~engheta/ ☎ 951-827-6482 ☎ 951-827-7314
Current Position	Visiting Assistant Professor Department of Mathematics, University of California, Riverside.	July 2005 – June 2008
Education	Ph.D., Mathematics University of Kansas Thesis Title: <i>Bounds on projective dimension</i> Thesis Advisor: Craig Huneke M.A., Mathematics University of Kansas Vordiplom (undergraduate diploma), Mathematics Universität Hamburg, Germany	August 2005 August 2000 August 1997
Areas of Interest	Primary: Commutative and Computational Algebra. Secondary: Homological Algebra, Algebraic Combinatorics, Algebraic Geometry.	
Publications & Preprints	<i>Bound on the projective dimension of three cubics</i> , submitted. <i>Bound on the multiplicity of almost complete intersections</i> , to appear in Communications in Algebra. <i>On the projective dimension and the unmixed part of three cubics</i> , Journal of Algebra 316 (2007), 715–734 . <i>Bounds on projective dimension</i> . Ph.D. thesis, University of Kansas, 2005.	
Awards & Scholarships	Graduate Research Assistantships, University of Kansas. Academic Year 2001–2002, Spring 2003, and Fall 2004. KU Center for Research, Paper Presenter Travel Award, March 2004. U.G. Mitchell Graduate Scholarship, University of Kansas. Summer of 2000, 2001, 2002, 2003, and 2004. John Bunce Memorial Award, Department of Mathematics, University of Kansas.	
Memberships	American Mathematical Society, Mathematical Association of America.	
Languages	Fluent in written and spoken German and English.	
Immigration Status	Permanent resident since March 2000.	

Invited Talks

- *p-adic numbers.*
Loyola Marymount University, Los Angeles, CA October 16, 2006
- *On the multiplicity of almost complete intersections.*
Summer School on Monomial Resolutions and Hilbert Functions
Cornell University, Ithaca, NY May 8, 2006
- *Bounds on projective dimension.*
AMS Sectional Meeting, Special Session on Resolutions
University of Oregon, Eugene, OR November 12, 2005
- *On the projective dimension of three cubics.*
AMS Sectional Meeting, Special Session on Syzygies and Hilbert Functions
Florida State University, Tallahassee, FL March 12, 2004

Seminar Talks

- *An exact sequence on extensions and derivations.*
Algebraic Geometry Seminar, UC Riverside November 6, 2007
- *On the multiplicity of almost complete intersections, part II.*
Algebraic Geometry Seminar, UC Riverside November 7, 2006
- *On the multiplicity of almost complete intersections, part I.*
Algebraic Geometry Seminar, UC Riverside October 24, 2006
- *On double and triple structures, part II.*
Algebraic Geometry Seminar, UC Riverside January 26, 2006
- *On double and triple structures, part I.*
Algebraic Geometry Seminar, UC Riverside January 19, 2006
- *Primary decomposition and the top dimensional component.*
Algebraic Geometry Seminar, UC Riverside December 6, 2005
- *Liaison and projective dimension of almost complete intersections.*
Algebraic Geometry Seminar, UC Riverside November 29, 2005
- *Dimension-independent bounds on projective dimension.*
Commutative Algebra Seminar, UC Riverside November 4, 2005

Workshops & Conferences

- MSRI 25th Anniversary Symposium
Mathematical Sciences Research Institute, Berkeley, CA January 27 – 30, 2008
- MSRI workshop: Advances in Algebra and Geometry
Mathematical Sciences Research Institute, Berkeley, CA April 28 – May 4, 2007
- KUMUNU 7
University of Kansas, Lawrence, KS November 4 – 5, 2006
- Homological Conjectures in Commutative Algebra
Snowbird Summer Resort, Snowbird, UT May 18 – 19, 2006
- Summer School on Monomial Resolutions and Hilbert Functions
Cornell University, Ithaca, NY May 6 – 12, 2006
- AMS Sectional Meeting, Special Session on Resolutions
University of Oregon, Eugene, OR November 12 – 13, 2005
- 30th Annual Spring Lecture Series in the Mathematical Sciences
Commutative Algebra: Recent Developments in Tight Closure
University of Arkansas, Fayetteville, AR April 14 – 16, 2005
- For a complete list, see <http://math.ucr.edu/~engheta/meetings.html>

Teaching Experience**Teaching Positions at University of California** for the following courses:

- *Discrete Mathematics* Winter, Summer 2007
- *Linear Algebra (engineering)* Spring 2006
- *Linear Algebra (business)* Fall 2007
- *Calculus of Several Variables II* Fall 2005, Summer 2006
- *Calculus of Several Variables I* Winter 2006
- *Calculus III* Winter, Spring 2006, Winter, Spring 2007
- *Calculus II* Fall 2005, 2006
- *Calculus I* Fall 2006, Fall 2007

Teaching Positions at University of Kansas for the following courses:

- *Engineering Calculus III* Summer 1998, 1999
- *Engineering Calculus II* Fall 2003, Spring 1999, 2004, 2005
- *Engineering Calculus I* Fall 1998, 2002
- *Business Calculus II* Spring 2002
- *Business Calculus I* Fall 2001
- *Precalculus* Fall 1997

Teaching Assistantships at Universität Hamburg for the following courses:

- *Nonlinear Optimization* Fall 1996
- *Linear Algebra II* Spring 1996, 1997
- *Numerical Analysis* Spring 1996

Student EvaluationsAvailable at <http://math.ucr.edu/~engheta/evaluations/>**References**

- ▶ Craig Huneke
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- ▶ Ziv Ran
University of California, Riverside, CA
✉ ziv@math.ucr.edu ☎ 951-827-4768
- ▶ Hal Schenck
University of Illinois at Urbana-Champaign, Urbana, IL
✉ schenck@math.uiuc.edu ☎ 217-333-2229
- ▶ Michael E. Stillman
Cornell University, Ithaca, NY
✉ mike@math.cornell.edu ☎ 607-255-7240

Teaching References

- ▷ Gerhard Gierz
University of California, Riverside, CA
✉ gierz@math.ucr.edu ☎ 951-827-3210
- ▷ Bozena Pasik-Duncan
University of Kansas, Lawrence, KS
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