

Manizheh(Manijeh) Nafari

Website: <http://manizhehnafari.wordpress.com>

E-mail: mnafari at centralstate.edu
manizheh.nafari at gmail.com

Research Interests Non-commutative Algebra, (Quadratic) Regular Algebras, Non-commutative Algebraic Geometry

Employment Assistant Professor, Aug. 2016 - Present.
Department of Mathematics & Computer Science, Central State University (CSU)

Visiting Assistant Professor, Sept. 2013 - July 2014.
Department of Mathematical Sciences, DePaul University

Visiting Assistant Professor, Aug. 2012 - May 2013.
Department of Mathematics and Statistics, University of Toledo (UT)

Adjunct Faculty, Aug. 2011 - Aug. 2012.
Department of Mathematics, University of Texas at Arlington (UTA)

Adjunct Faculty, Jan. 2012 - Aug. 2012.
Department of Mathematics, Tarrant County College(TCC) Southeast Campus

Education Ph.D. in Mathematics, Aug. 2007 - Aug. 2011. University of Texas at Arlington (UTA), Arlington, Texas.
Thesis: Regular Algebras Related to Regular Graded Skew Clifford Algebras of Low Global Dimension.
Supervisor: Professor Michaela Vancliff.

M.Sc. in Pure Mathematics, 2001. Tarbiat Modarres University, Tehran, Iran.
Thesis: Catenarity, Gelfand-Kirillov Dimension, and Skew Polynomial Rings.
Supervisor: Dr. Ahmad Mousavi.

B.Sc. in Pure Mathematics, 1998. Sharif University of Technology, Tehran, Iran.
Thesis: Geometry Course Ware.
Supervisor: Dr. Yahya Tabesh.

Publications and Preprints

- *Geometry of Regular Algebras of Global Dimension 4 related to Graded Skew Clifford Algebras of Global Dimension 3*, available at <https://manizhehnafari.files.wordpress.com/2013/04/mathematica.pdf>.
- *Introduction to Noncommutative Algebraic Geometry*, available at <https://manizhehnafari.files.wordpress.com/2013/04/noncommutalggeo.pdf>.
- *Graded Skew Clifford Algebras that are Twists of Graded Clifford Algebras*, with M. Vancliff, Communications in Algebra, 43 (2015), 719–725.
- *Classifying Quadratic Quantum \mathbb{P}^2 s By Using Graded Skew Clifford Algebras*, with M. Vancliff and J. Zhang, Journal of Algebra, 346 (2011), 152–164.
- *Regular Algebras Related to Regular Graded Skew Clifford Algebras of Low Global Dimension*, Ph.D. Thesis, August 2011, available at <https://manizhehnafari.files.wordpress.com/2013/04/manizhehthesis1.pdf>.

**Teaching
Experience**

Central State University:

- Abstract Algebra I: Fall 2016.
- Foundations of Mathematics: Fall 2016.
- Modern Applications of Mathematics: Fall 2016 (two sections).

DePaul University:

- Discrete Mathematics II: Fall 2013 (35 Students).
- Discrete Mathematics I: Winter 2014 (number of students in two sections: 34, 34), Fall 2013 (35 students).
- Business Calculus II: Winter 2014 (39 students).
- Business Calculus I: Spring 2014 (41 Students), Fall 2013 (40 students).
- Precalculus: Spring 2014 (29 Students).

University of Toledo (UT):

- Introduction to Abstract Algebra: Spring 2013 (18 students).
- Calculus I - Engineering Tech: Fall 2012 (35 students).
- Calculus I - for Life Sciences with Applications: Fall 2012 (40 students).
- College Algebra: Spring 2013 (numbers of students in two sections:38,40), Fall 2012 (40 students).

University of Texas at Arlington (UTA):

- Mathematics for Economics and Business Analysis (Business Calculus): Spring 2011 (65 students), Fall 2010 (63 students), Summer 2010 (12 students) and Spring 2010 (19 students).
- Precalculus II: Summer 2012 (20 Students).
- Precalculus I: Spring 2012 (74 students), Fall 2011 (number of students in two sections: 61,61).
- Trigonometry: Summer 2011 (15 Students), Fall 2010 (60 students).
- College Algebra: Fall 2009 (numbers of students in two sections:75,58), Spring 2009 (44 students), and Fall 2008 (60 students).

Tarrant County College (TCC):

- Trigonometry: Summer I 2012 (30 Students), Summer II 2012 (27 Students).
- Intermediate Algebra: Spring 2012 (First 8-week: 23 Students, Second 8-week: 25 Students).
- Prealgebra: Spring 2012 (12-week: 25 Students).
- GRE Mathematics, Continuing Education, March-June 2012 (number of students in each section: 12,10).

Hadi Institution of Higher Education (Under Supervision of Applied-Scientific University):

- Precalculus: Tehran, Iran, Winter 2004, and Spring 2004 (numbers of students in two sections:50,50).

Graduate Teaching Assistant of:

- Calculus II: Summer 2008, Spring 2008, and Fall 2007.

**Mentoring
Experience**

- Rebecca Nyachieo, Undergraduate Student at Ohio University, (AWM) Mentor Network, July 2016 - Present.
- Husein Najmi, Ph.D. Student at University of North Texas, Reading Course "Mathematics for Operations Research", July 2016 - September 2016.

- Honors and Awards**
- Association for Women in Mathematics (AWM)-NSF Travel Grant to attend 2012 Joint Mathematics Meetings, Boston, 4-7 January 2012.
 - Graduate Dean Doctoral Fellowship, Graduate Studies, UTA, 2007-2011.
 - STEM Doctoral Fellowship, Department of Mathematics, UTA, 2007-2011.
 - Graduate Teaching Assistant Stipends, Department of Mathematics, UTA, 2007-2011.
- Outreach Activities**
- Volunteer Member of Association for Women in Mathematics (AWM) Mentor Network, March 2012 - Present.
 - Judge for Undergraduate Students' Posters, ACES (Annual Celebration of Excellence by Students), UTA, 22-23 March, 2012.
 - Judge for Undergraduate Students' Posters (in Science/Math/Engineering), LSAMP Conference, UTA, 16 Sept. 2011.
 - Led Group Student Activities for the Math and Science Retreat for Riverside Middle School, UTA Fort Worth Center, Feb. 2010, Feb. 2009, and Feb. 2008.
 - Volunteer for UTA Calculus Bowl, February 2009.
 - Led Group Student Activities for the Math and Science Day for Riverside Middle School, UTA Campus, Aug. 2008.
- Invited Workshops**
- Spring Opportunities Workshop for Women in Mathematical Sciences, University of Tennessee, Knoxville, 9-11 April 2014.
 - Introductory Workshop: Noncommutative Algebraic Geometry and Representation Theory, MSRI, Berkeley, 28 January - 1 February 2013.
 - Connections for Women: Noncommutative Algebraic Geometry and Representation Theory, MSRI, Poster Title "Regular Graded Skew Clifford Algebras that are Twists of Regular Graded Clifford Algebras", Berkeley, 24-25 January 2013.
- Conference Presentations/Seminars**
- Talk Title "AS-Regular Graded Skew Clifford Algebras that are Twists of AS-Regular Graded Clifford Algebras", Brock International Conference on Groups, Rings and Group Rings, Brock University, Canada, 28 July-1 August 2014 (in absentia).
 - Talk Title "Artin-Schelter Regular Graded Skew Clifford Algebras that are Twists of Artin-Schelter Regular Graded Clifford Algebras", 2nd Annual Midwest Women in Mathematics Symposium, University of Notre Dame, Notre Dame, 5 April 2014.
 - Talk Title "Regular Graded Skew Clifford Algebras that are Twists of Regular Graded Clifford Algebras", Algebra Seminar, DePaul University, Chicago, 21 February 2014.
 - Talk Title "Regular Graded Skew Clifford Algebras that are Twists of Regular Graded Clifford Algebras", 2013 Southern Regional Algebra Conference, Hammond, 15-17 March 2013.
 - Talk Title "Regular Graded Skew Clifford Algebras that are Twists of Regular Graded Clifford Algebras", Joint Mathematics Meetings 2013, San Diego, 9-12 January 2013.
 - Talk Title "Regular Graded Skew Clifford Algebras of Low Global Dimension", Algebra Seminar, University of Toledo, Toledo, October - November 2012.
 - Talk Title "Graded Skew Clifford Algebras that are Twists of Graded Clifford Algebras", Texas Section of the Mathematical Association of America, El Centro College, Dallas, 12-14 April 2012.
 - Talk Title "Regular Graded Skew Clifford Algebras of Low Global Dimension", Joint Mathematics Meetings 2012, Boston, 4-7 January 2012.
 - Talk Title "Graded Skew Clifford Algebras that are Twists of Graded Clifford Algebras", Joint Mathematics Meetings 2012, Boston, 4-7 January 2012.

- Talk Title “Regular Algebras Related to Regular Graded Skew Clifford Algebras of Low Global Dimension”, AMS Special Session on Noncommutative Algebra, Wake Forest University, Winston -Salem, 24-25 September 2011.
- Talk Title “Examples of Regular Graded Skew Clifford Algebras of Global Dimension 3”, Metroplex Algebraic Geometry, Algebra and Number Theory (AGANT) Seminar, UTA, 29 April 2011.
- Talk Title “Constructing Quadratic Quantum \mathbb{P}^2 s from Graded Skew Clifford Algebras”, Texas Section of the Mathematical Association of America, The University of Texas at Tyler, Tyler, 14-16 April 2011.
- Poster Title “Constructing Quadratic Quantum \mathbb{P}^2 s from Graded Skew Clifford Algebras”, Southwest Local Algebra Meeting, New Mexico State University, Las Cruces, 5-6 March 2011(in absentia).
- Talk Title “Constructing Quadratic Quantum \mathbb{P}^2 s from Graded Skew Clifford Algebras”, Joint Mathematics Meetings 2011, New Orleans, Louisiana, 6-9 January, 2011.
- Talk Title “Regular Graded Skew Clifford Algebras of Low Global Dimension”, Seminar by Students for Students, UTA, 19 November, 2010.
- Poster Titles “Examples of Graded Skew Clifford Algebras 1” and “Examples of Graded Skew Clifford Algebras 2”, New Trends in Noncommutative Algebra: A Conference in Honor of Ken Goodearl’s 65th Birthday, University of Washington, Seattle, 9-13 August, 2010.
- Poster Title “Examples of Graded Skew Clifford Algebras”, Southwest Local Algebra Meeting, UTA, Arlington, 6-7 March 2010.
- Talk Title “Pi History”, Mathematical Association of America (MAA) Celebration of Pi Day, UTA, 14 March, 2008.
- Organizer of the Workshop “Geometry Course Ware” with Y. Tabesh and V. Momtaheni, Third Annual Iranian Mathematics Education Conference, Kerman University, Kerman, Iran, 1998.

References:

- Professor Michaela Vancliff (Research Letter-Ph.D. Advisor)*
Telephone: 817-272-3932, E-mail: vancliff@uta.edu
- Professor Kenneth A. Brown (Research Letter)[‡]
Telephone: +44 (0)1413305180, E-mail: Ken.Brown@glasgow.ac.uk
- Professor Thomas Cassidy (Research Letter)*
Telephone: 570-577-1497, E-mail: tcassidy@bucknell.edu
- Dr. Dimitar Grantcharov (Research Letter)*
Telephone: 817-272-1148, E-mail: grandim@uta.edu
- Ms. Sonja Godeken (Teaching Letter)*
Telephone: 817-272-2934, E-mail: sgodeken@uta.edu
- Dr. Theresa Jorgensen (Teaching Letter)*
Telephone: 817-272-1321, Email: jorgensen@uta.edu
- Dr. Maria Leite (Teaching Letter)[†]
Telephone: 727-873-4306, E-mail: mcleite@mail.usf.edu
- Dr. Wenqi Zhao (Teaching Letter)^{††}
Telephone: 419-530-2795, E-mail: wenqi.zhao@utoledo.edu

* Mailing address:
Department of Mathematics, University of Texas at Arlington,
P.O.Box 19408, Arlington, TX 76019-0408

[‡] Mailing address:
School of Mathematics and Statistics, University of Glasgow,
15 University Gardens, Glasgow G12 8QW, United Kingdom

* Mailing address:
Department of Mathematics, Bucknell University,
Lewisburg, PA 17837

- † Mailing address:
Department of Mathematics and Statistics, University of South Florida at St.
Petersburg,
St. Petersburg, FL 33701
- †† Mailing address:
Department of Mathematics and Statistics, University of Toledo,
Toledo, OH 43606