

MICHAEL LUIS ORTIZ
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Department of Natural and Behavioral Sciences

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EDUCATION

- University of Texas at Austin, Ph.D. in Mathematics, 2009
- University of North Texas, B.S. in Mathematics, 2002

PROFESSIONAL EXPERIENCE

- Associate Professor, Sul Ross State University, 2015 – present
- Assistant Professor, Sul Ross State University, 2009 – 2015

HONORS, AWARDS, AND LISTINGS

- Meritorious Ranking, Sul Ross State University, 2009 – 20
- Ford Foundation Predoctoral Fellowship for Minorities, 2002 – 05
- Dean's Excellence Fellowship, College of Natural Sciences, University of Texas, 2002 – 03
- Outstanding Undergraduate Mathematics Major, University of North Texas, 2002
- Regents' Scholarship, University of North Texas, 1997 – 2001
- Multicultural Scholarship, University of North Texas, 1997 – 2001

SELECTED RESEARCH AND PROFESSIONAL PRESENTATIONS

- "The Old Wolf, Again: Latinx Faculty Negotiations, Recruitment, Retention, and Racism in the Academy," together with José Luis Morín (Chair, Department of Latin American and Latinx Studies, John Jay College of Criminal Justice), José Cintrón (College of Education, CSU Sacramento, California Faculty Association), and Theresa Montano (California State University, Northridge), 47th Annual National Virtual Conference of the National Center for the Study of Collective Bargaining in Higher Education and the Professions, October 19 – 20, 2020.
- "Math and Culture," Texas Section Conference, MAA, Tarleton State University, March 29, 2019.
- "Four-Dimensional Show-and-Tell," Texas Section Conference, Mathematical Association of America, El Centro College, April 6, 2018
- "The Ancient and Modern Art of Conic Sections" (with Patricia Nicosia), Conference for the Advancement of Mathematics Teaching, Fort Worth, Texas, July 10 and 11, 2017
- "Beauty Both Ancient and New: Geometry beyond 'Geometry'" (with Patricia Nicosia), Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, June 29, 2016
- "Humanizing Geometry," Texas Section Conference, Mathematical Association of America, Stephen F. Austin State University, April 1, 2016
- "Beauty Both Ancient and New: Geometry beyond 'Geometry'" (with Patricia Nicosia),

- Conference for the Advancement of Mathematics Teaching, Houston, Texas, June 25, 2015
- "Beauty Both Ancient and New: Geometry beyond 'Geometry'" (with Patricia Nicosia), Conference for the Advancement of Mathematics Teaching, Fort Worth, Texas, July 22, 2014
- "Humanistic Mathematics in the Hinterlands," Texas Section Conference, Mathematical Association of America, Texas A&M International University, April 4, 2014

SELECTED CONFERENCES ATTENDED

- Texas Council of Faculty Senates, Austin, Texas, 2020
- Texas Council of Faculty Senates, Austin, Texas, 2019
- Texas Section Conference, Mathematical Association of America, Tarleton State University, 2019.
- Texas Council of Faculty Senates, Austin, Texas, 2018
- Inquiry-Based Learning and Teaching Conference, Austin, Texas, 2018
- Texas Section Conference, Mathematical Association of America, El Centro College, 2018
- Conference for the Advancement of Mathematics Teaching, Fort Worth, Texas, 2017
- Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, 2016
- Texas Section Conference, Mathematical Association of America, Stephen F. Austin State University, 2016
- Texas Council of Faculty Senates, Austin, Texas, 2015
- Conference for the Advancement of Mathematics Teaching, Houston, Texas, 2015
- Conference for the Advancement of Mathematics Teaching, Fort Worth, Texas, 2014
- Texas Section Conference, Mathematical Association of America, Texas A&M International University, 2014
- Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, 2013
- Texas Council of Faculty Senates, Austin, Texas, 2013
- Texas Council of Faculty Senates, Austin, Texas, 2012
- Texas Council of Faculty Senates, Austin, Texas, 2011
- Texas Topology and Geometry Conference, University of Texas, 2008
- Riemannian Topology Conference, University of New Mexico, 2006
- Texas Topology and Geometry Conference, Texas Tech University, 2005
- Conference of Ford Fellows, Albuquerque, New Mexico, 2002

RESEARCH PUBLICATIONS

- "Differential Equivariant K-Theory" (Ph.D. thesis)

TEACHING EXPERIENCE

Graduate courses at Sul Ross State University:

- Advanced Algebra (MTH 5309)
- Mathematics History (MTH 5307)
- Advanced Geometry (MTH 5305)
- Fourier Series and Orthogonal Functions (MTH 5303)
- Lie Groups and Lie Algebras (MTH 5301)
- Regular Polytopes (MTH 5301)
- Topology (MTH 5301)

Undergraduate courses at Sul Ross State University:

- Readings and Research (MTH 4327)
- Real Variables (MTH 4307)
- Modern Abstract Algebra (MTH 4301)

- Discrete Mathematics (MTH 3310)
- Survey of Basic Mathematical Theory I and II (MTH 3308/3309)
- Differential Equations (MTH 3307)
- Humanistic Mathematics (MTH 3306)
- Conic Sections and Quadric Surfaces (MTH 3306)
- Complex Variables (MTH 3306)
- History of Mathematics (MTH 3305)
- Linear Algebra (MTH 3304)
- Multi-Variant Calculus (MTH 3303)
- Geometry (MTH 3301)

Undergraduate courses at the University of Texas:

- Introduction to Real Analysis (M 361K)
- Elementary Functions and Coordinate Geometry (M 305G)

SELECTED COLUMNS AND ESSAYS

- "Good Ideas Don't Come From People Who All Think Alike," *Uvalde Leader-News*, March 28, 2021
- "Pi Day: A Modest Proposal," *Uvalde Leader-News*, January 31, 2021
- "Stars, States, and the U.S. Flag," *Uvalde Leader-News*, November 29, 2020
- "The Units of Life and Death," *Uvalde Leader-News*, July 19, 2020
- "Benjamin Banneker: An Uncommon Mind," *Uvalde Leader-News*, June 21, 2020
- "Days, Months, Years: What Is Time?" *Uvalde Leader-News*, May 24, 2020
- "Florence Nighingale: The Nurse Who Loved Numbers," *Uvalde Leader-News*, April 26, 2020.
- "You Can Count to a Thousand on Your Fingers," *Uvalde Leader-News*, February 23, 2020.
- "Math, Music and Mysticism: Pythagoreans Believed All Things Are Made of Numbers," *Uvalde Leader-News*, July 7, 2019
- "Ortiz Recalls His Abel-Prize Winning Mentor," *Uvalde Leader-News*, May 12, 2019
- "Snowflakes and Dragons: Fractal Geometry of Nature," *Uvalde Leader-News*, March 31, 2019
- "Infinity: From Paradox to Paradise," *Uvalde Leader-News*, January 27, 2019.
- "Border College: The Past, Its Present, Our Future," *Latinx Talk*, October 30, 2018
- "Ethnomathematics: Art and Symmetry," *Uvalde Leader-News*, October 28, 2018
- "How to Count: Numbers are Pebbles of the Mind," *Uvalde Leader-News*, August 26, 2018
- "Fibonacci Numbers: Pinecones and Pineapples," *Uvalde Leader-News*, July 22, 2018
- "Reflections on Autism, Ethnicity, and Equity," *inclusion/exclusion* (a blog of the American Mathematical Society), June 14, 2018
- "Figures and Parables," *Uvalde Leader-News*, June 3, 2018
- "Myth of the Flat Earth," *Uvalde Leader-News*, May 6, 2018
- "A Wrinkle in Hyperspace: The Tesseract," *Uvalde Leader-News*, April 1, 2018
- "Honeybees and Honeydews: Are Bees Math Wizards?" *Uvalde Leader-News*, February 25, 2018

ART/MATH EXHIBITS

- "Wraparound" (one-man exhibition), Francois Fine Art Gallery, Sul Ross State University, Alpine, Texas, August 21 – September 15, 2017
- One-man exhibition, Art Lab Contemporary Art Space, Uvalde, Texas, September 2016
- One-man exhibition, Casa de la Cultura, Del Rio, Texas, August, 2015
- "Abstraction" (one-man exhibition), Art Lab Contemporary Art Space, Uvalde, Texas, June 2014

OTHER AFFILIATIONS AND INVOLVEMENT

- President, RGC Faculty Senate, RGC, 2014 – 2016, 2018 – 2021 (five terms)
- Secretary, RGC Faculty Senate, 2011 – 2013 (two terms)
- Curriculum developer and course pilot instructor, Title V PPOHA Grant, RGC, 2015 – 19
- Chair, President's Select Task Force on Efficiencies and Innovations, RGC, 2018
- Member, Assistant Professor of Psychology search committee, 2020
- Member, Assistant Professor of Criminal Justice search committee, 2020
- Member, OIT Director search committee, 2019
- Member, Assistant Professor of English search committee, 2017
- Member, Dean of RGC search committee, 2016
- QEP Navigator, 2018 – 21
- Member, Campus Master Plan Committee, 2020 – 23
- Member, Staff Awards, Nominations, & Selection Committee, 2020 – 21
- Member, RGC Budget Advisory Council, 2019 – 21
- Member, Academic Advisory Committee, 2018 – 21
- Member, Financial Aid Appeals Committee, 2017 – 19
- Member, Library Advisory Committee, 2016 – 18
- Member, QEP Committee, SRSU, 2015 – 16
- Member, Curriculum Council, RGC, 2014 – 16
- Member, Instructional Technology Committee, SRSU, 2014 – 15
- Member, Web Advisory Committee, SRSU, 2012 – 14
- Member, Student Service Fee Advisory Committee, RGC, 2011 – 12
- Coauthor and analyst, IE Plan for the Bachelor of Science Program in Mathematics, RGC, 2011 – 20
- Web editor, Department of Natural and Behavioral Sciences, 2011 – 19
- Mathematics advisor, RGC, 2009 – 20
- Sponsor, Pi Sigma Math Club, RGC, 2009 – 20