Curriculum Vita
January 2026

Instructor: Ricardo Teixeira, Professor & Department Head
Academic Department: Mathematics

University Address: Mathematics
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EDUCATION

Ph.D in Mathematics, Functional Analysis, advisor: Dr. Edward Odell.
University of Texas at Austin, 2010

M.S. in Mathematics, Riemannian Geometry
Universidade Federal do Ceara, 2003

B.S. in Civil Engineering, Structural Design
Universidade Federal do Ceara, 2000

TEACHING EXPERIENCE

January 2026 – Present, Professor of Mathematics & Department Head, East Texas A&M

September 2025 – December 2025, Professor of Mathematics & Department Chair, Texas A&M University Victoria

September 2019 – August 2025, Associate Professor of Mathematics, University of Houston - Victoria

September 2013 – August 2019, Assistant Professor of Mathematics, University of Houston – Victoria

June 2010 – August 2013, Lecturer of Mathematics, University of Houston – Victoria

August 2007 – May 2010, Assistant Instructor of Mathematics, University of Texas at Austin

August 2003 – July 2007, Teaching Assistant of Mathematics, University of Texas at Austin

PUBLICATIONS

Journal Articles and Conference Proceedings

Teixeira, R. (2016). Magical data restoration. *Math Horizons*, *23*(2), 10–14.

Teixeira, R. (2017, May). Probably magic! *Plus Magazine*. Millennium Mathematics Project, University of Cambridge.

Teixeira, R. (2017). Explaining magic tricks through numeral systems – Part 1. *Symmetry Plus*, Summer.

Teixeira, R. (2017). Explaining magic tricks through numeral systems – Part 2. *Symmetry Plus*, Autumn.

Teixeira, R. (2018). Explaining magic tricks through numeral systems – Part 3. *Symmetry Plus*, Spring.

Teixeira, R. (2018). Hamming code in a magic trick. In *Gathering for Gardner G4G13 Exchange Book* (Vol. 1).

Teixeira, R. (2018, November). Using magic squares to teach linear algebra. *Australian Mathematics Senior Journal*.

Teixeira, R. (2018, September). Introducing permutation group via magic. *Pi in the Sky*, *21*. Pacific Institute for the Mathematical Sciences.

Teixeira, R. (2019). Introducing permutation group via magic. *Pi in the Sky*, *21*.

Teixeira, R. (2019). Si Stebbins: Algorithmic modeling and seven very mathematical card tricks. In *Proceedings of Recreational Mathematics Colloquium VI*. Associação Ludus.

Teixeira, R. (2022). Truco binario con emojis. *Revista Factorial*, *1*, 36–37.

Teixeira, R. (2023). A ternary Hamming code in a magic trick. In *Gathering for Gardner G4G14 Exchange Book* (Vol. 1).

Teixeira, R., & Odell, E. (2015). On S_1-strictly singular operators. *Proceedings of the American Mathematical Society*, *143*, 4745–4757.

Teixeira, R., & Park, J.-W. (2017, September). Mathematical explanation and generalization of Penn and Teller's love ritual magic trick. *Journal of Magic Research*.

Park, J.-W., & Teixeira, R. (2018, February). Serial execution Josephus problem. *Korean Journal of Mathematics*.

Park, J.-W., Dogan, A., & Teixeira, R. (2020). Block Josephus problem: When the reality is more cruel than the old story. *Hacettepe Journal of Mathematics and Statistics*.

Park, J.-W., Dogan, A., Teixeira, R., & Stout, M. (2021). Basic skills assessment as an early success indicator in college math courses. *Journal for Research in Mathematics Education*.

Books and Textbooks

Becceneri, A. N. J., & Velho, H. (2022). *Computational intelligence applied to inverse problems in radiative transfer* (R. Teixeira, Trans.). Springer.

Teixeira, R., & Park, J.-W. (2020). *Magical journey through advanced mathematics*. World Scientific.

Teixeira, R., et al. (2015). *New Mathway Project: Statistical reasoning*. University of Texas at Austin Dana Center in partnership with Pearson.

Teixeira, R., et al. (2017). *New Mathway Project: Reasoning with functions II*. University of Texas at Austin Dana Center in partnership with Pearson.

RESEARCH GRANTS AND AWARDS

AWARDS

May 2023, Fellowship to Travel to Israel to Establish Research Connections (Canceled due to war), Jewish National Fund, $5,000.

January 2022, ICM 2022 Travel Grant (Canceled due to war), AMS–NSF–Simons–ICM, $5,000.

May 2021, Distinguished Faculty Service Award, University of Houston–Victoria, Amount not specified.

February 2021, *Magical Journey Through Advanced Mathematics* Awarded "Best New Abstract Algebra Book," BookAuthority.com, Amount not specified.

November 2016, Faculty Scholarship Award, South Central SAS Users' Group (SCSUG) Educational Forum, Amount not specified.

September 2014, Internal Research Grant, University of Houston–Victoria, Amount not specified.

June 2014, Junior Faculty Summer Research Grant, University of Houston–Victoria, Amount not specified.

Summer 2013, Research Fellowship in Differential Equations, Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Amount not specified.

August 2009–August 2013, Fellowship to Attend SUMIRFAS 09–13, Texas A&M University, Amount not specified.

GRANTS

2018, Improving STEM Education in a Rural Area (NSF 1741820), National Science Foundation, $645,538.

2012–2024, Math and Robotics Awareness Day, Robotics Summer Camp, Aquatics Summer Camp, and Math Summer Camp, ALCOA Foundation, $350,000.

2016, Knewton Homework System: Free E-Book and Online Access for Students, Knewton, $4,200.