

BIOGRAPHICAL SKETCH

ROBERT D. FREEMAN

PROFESSIONAL PREPARATION:

Rutgers University, Pure Mathematics, Bachelor of Arts, May 2003.

Rutgers University, Mathematics, Master of Science, October 2004.

University of South Florida, Mathematics, Ph.D., May 2020.

APPOINTMENTS:

Assistant Professor of Instruction, University of South Florida, August 2023–present.

Assistant Professor, Tenure Track, Pennsylvania State University, August 2020–June 2023.

Visiting Instructor, University of South Florida, August 2016–June 2020.

Graduate Teaching Assistant, University of South Florida, August 2013–May 2016.

Instructor I, Tenure Track, Gloucester County College, September 2008–May 2013.

Adjunct Professor, Rutgers University–Camden, September 2003–July 2013.

TEACHING EXPERIENCE:

Assistant Professor of Instruction August 2023–present

University of South Florida, Tampa, Florida.

Assistant Professor August 2020–June 2023.

Pennsylvania State University, Berks Campus, Reading, Pennsylvania.

Calculus sequence, Linear Algebra.

Visiting Instructor August 2017–present

University of South Florida, Tampa, Florida.

Pre-Calculus, coordinator for Pre-Calculus.

Graduate Teaching Assistant August 2013–May 2017

University of South Florida, Tampa, Florida

Pre-Calculus, College Algebra, Calculus I.

Instructor I September 2006–May 2013

Gloucester County College, Sewell, New Jersey

Elementary Algebra, Intermediate Algebra, Algebra and Trigonometry, Pre-Calculus,

Calculus I, Calculus II, Calculus III, Differential Equations, Linear Algebra,

Discrete Mathematics.

Tenured September 2011. Structured courses, wrote syllabi and exams, created courses, coordinated all course scheduling and common exam scheduling for the department; sought out and achieved approval of GCC's two-year associates degree in mathematics transferability to more than a dozen four-year institutions.

PUBLICATIONS:

1. A $p(\cdot)$ -Poincaré-type Inequality for Variable Exponent Sobolev Spaces with Zero Boundary Values in Carnot Groups.
Joint with Thomas Bieske.
Analysis and Mathematical Physics. **2018**, *8* (2), 289–308.
2. Equivalence of Weak and Viscosity Solutions to the $p(x)$ -Laplacian in Carnot Groups.
Joint with Thomas Bieske.
Analysis and Mathematical Physics. **2018**, *3* (3), 201–294. DOI: 10.1007/s13324-018-0266-0.
3. Correction to: A $p(\cdot)$ -Poincaré-type Inequality for Variable Exponent Sobolev Spaces with Zero Boundary Values in Carnot Groups.
Joint with Thomas Bieske.
Analysis and Mathematical Physics. **2019**. DOI: 10.1007/s13324-018-00278-3.
4. The Fundamental Solution to the p -Laplacian in a class of Hörmander Vector Fields.
Joint with Thomas Bieske.
Electronic Journal of Differential Equations. Vol. 2019, **2019**, *35*, 1–13.

CONFERENCE SPEAKING ENGAGEMENTS:

1. MAA EPaDel Spring 2023 Meeting
PennState Brandywine, Media, Pennsylvania; April 15, 2023.
2. The Twelfth Ohio River Analysis Meeting
University of Cincinnati, Cincinnati, OH; Mar. 18–19, 2023.
3. MAA EPaDel Fall 2022 Meeting
PennState Berks, November 5, 2022.
4. The Eleventh Ohio River Analysis Meeting
University of Kentucky, Lexington, KY, April 2-3, 2022.
5. MAA EPaDel Spring 2021 Virtual Meeting
Done through Zoom, April 17, 2021.
6. Local and Nonlocal Trends in Analysis and Geometry (poster presentation)
University of Pittsburgh, Pittsburgh, PA, October 11–13, 2019.
7. The Ninth Ohio River Analysis Meeting
University of Cincinnati, Cincinnati, OH, Mar. 29–31, 2019.
8. University of Pittsburgh PDE Seminar
Pittsburgh, PA, March 25, 2019.
9. The Eighth Ohio River Analysis Meeting
University of Kentucky, Lexington, KY, Mar. 24–25, 2018.

HONORS AND AWARDS:

Teacher of the Year Gloucester County College (Student Elected), 2009.
Mathematical Sciences Scholarship Award, Rutgers University, 2002.