

Dr. Scott Varagona

Curriculum Vitae

Department of Biology, Chemistry, and Mathematics
121 Harman Hall, University of Montevallo, AL 35115
E-Mail: svaragona@montevallo.edu

EDUCATION

Ph.D., Mathematics; Auburn University, May 2012

Dissertation: *Simple Techniques for Detecting Decomposability or Indecomposability of Generalized Inverse Limits*

Advisor: Michel Smith

Master of Science, Mathematics; Auburn University, December 2008

Thesis: *Inverse Limit Spaces*

Bachelor of Science, Mathematics; Auburn University, December 2005

Bachelor of Arts, Philosophy; Auburn University, December 2005

TEACHING EXPERIENCE

Associate Professor, 2018 -

Assistant Professor, 2012 - 2018

University of Montevallo; Department of Biology, Chemistry, and Mathematics

Courses Taught:

- Intermediate Algebra
- Pre-Calculus with Algebra
- Finite Mathematics
- Nature of Mathematics
- Calculus I
- Calculus II
- Survey of Mathematics
- Introduction to Discrete Mathematics
- Calculus III
- Mathematics of Chess
- Foundations of Mathematics
- Linear Algebra
- Topology
- Directed Reading & Senior Seminar
- Mathematics Colloquium

Graduate Teaching Assistant, 2006 - 2012

Auburn University; Department of Mathematics & Statistics

Courses Taught:

- Calculus I
- Calculus II
- Calculus III
- Business Calculus I

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PUBLICATIONS

- *The Montevallo Pre-Cal Workbook*, e-book (2017).
- “Destruction of Metrizable in Generalized Inverse Limits” (co-authored with Steven Clontz), *Topology Proceedings*, Vol. 48 (2016), pp. 289-297.
- “Generalized Inverse Limits with N-type Bonding Functions” (co-authored with Michel Smith), *Houston Journal of Mathematics*, Vol. 42, No. 2 (2016), pp. 637-657.
- “Homeomorphisms between Inverse Limits with N-Shaped Set-Valued Functions,” *Topology Proceedings*, Vol. 44 (2014), pp. 233-248.
- “Inverse Limits with Upper Semi-Continuous Bonding Functions and Indecomposability,” *Houston Journal of Mathematics*, Vol. 37, No. 3 (2011), pp. 1017-1034.

SELECTED PRESENTATIONS

- “Generalized Inverse Limits that Banish their Graphs,” Spring Topology and Dynamics Conference (Auburn University), 2018.
- “Destruction of Metrizable in Generalized Inverse Limits,” 50th Spring Topology and Dynamics Conference (Baylor University), 2016.
- “Generalized Inverse Limits Indexed by Ordinals,” Spring Topology and Dynamics Conference (Bowling Green State University), 2015.
- “Generalized Inverse Limits and Indecomposable Continua: N-type Bonding Functions and Beyond,” Semi-Plenary talk; Spring Topology and Dynamics Conference (University of Richmond), 2014.
- “Inverse Limits with ‘N-shaped’ Set-Valued Functions,” Spring Topology and Dynamics Conference (Central Connecticut State University), 2013.
- “Amalgamating Factor Spaces of Generalized Inverse Limits,” Joint Mathematics Meetings (Boston), 2012.
- “Inverse Limits with u.s.c. Bonding Functions: a Do-It-Yourself Guide for Building Indecomposable Continua,” Spring Topology and Dynamics Conference (University of Texas at Tyler), 2011.
- “Inverse Limits with u.s.c. Bonding Functions and Indecomposability,” Spring Topology and Dynamics Conference (Mississippi State University), 2010.

ACADEMIC AWARDS & ACCOMPLISHMENTS

- Awarded Tenure & Promotion to Associate Professor at the University of Montevallo, 2018
- Recipient of the annual College of Arts and Sciences College Teaching Award at UM, 2018
- Recipient of a Summer Stipend for Pre-Tenured Faculty for mathematics research at UM, 2016
- Recipient of the Ben Fitzpatrick Award for students in Topology at Auburn University, 2010
- Winner of the Dean’s Master Research Award in Auburn University’s College of Science and Mathematics, 2008-2009

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COMMITTEES, LEADERSHIP, OUTREACH & OTHER ACTIVITIES

- McNair Scholars Program Advisory Committee Member, 2013-
- UCSC Representative from the College of Arts and Sciences, 2014-
- First Year Experience Task Force Member, 2017-
- Chess Club of Montevallo (CCM) Faculty Advisor, 2012-
- KME Alabama Gamma Chapter Faculty Secretary, 2013-
- KME Alabama Gamma Chapter Faculty Advisor, 2017-
- Editor of the UM Mathematics Program's Alumni Newsletter, *Montevallo Mathematics*, 2014-
- Volunteer at Parnell Memorial Library Chess Club (for local scholastic players), 2014-
- University of Montevallo Life Raft Debate participant, 2013-2017; winner in 2013, 2015 & 2017
- Host of the Alabama State Scholastic Chess Championships at UM, 2014
- Organizer of the annual Falcon Chess Invitational chess tournament, 2015-2018

ACHIEVEMENTS in CHESS

- National Master title achieved in 2012
- 2002, 2005, 2007, 2008, 2013, 2015, and 2017 Alabama State Chess Champion
- Winner of all four Alabama adult state titles (Standard, Blitz, Quick, and Dual-Rated) in 2013
- Winner of the inaugural Alabama State Championship Series prize in 2016
- Editor of the Alabama Chess Federation's magazine, *Alabama Chess Antics*, 2009-2012; 2015-
- Author of numerous articles in *Alabama Chess Antics*, 2004-2018

REFERENCES

Houston Byrd, Chair
Department of Biology, Chemistry, and Mathematics
Harman Hall 118
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Benton Tyler
Department of Biology, Chemistry, and Mathematics
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