

## **CORNELIUS STALLMANN**

Department of Mathematics and Computer Science  
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### **EDUCATION**

**University of Tennessee, Ph.D., 1996**, Advisor: Conrad Plaut, Dissertation: Infinite Dimensional Geometric Groups

**North Carolina Teaching Certification, 1988.**

**University of North Carolina at Asheville, BA 1986**, magna cum laude, Major: Mathematics.

### **PROFESSIONAL POSITIONS**

**Associate Professor, Augusta State University Department of Mathematics and Computer Science (2010-Present)**

**Assistant Professor, Augusta State University Department of Mathematics and Computer Science (1998-2010)**

Courses taught:

- Calculus I, II, and III
- Precalculus
- College Algebra
- Topology
- Statistics
- Introduction to Advanced Mathematics
- Introduction to Mathematical Modeling
- Contemporary Mathematics
- Modern Geometry
- Linear Algebra

**Assistant Professor, Birmingham-Southern College (1997-1998)**

Courses taught:

- Calculus I and II
- Differential Equations
- Discrete Mathematics
- Introduction to Mathematical Technologies
- Introduction to Advanced Mathematics

**Assistant Professor, University of Tennessee Department of Mathematics (1996-1997)**

Courses taught:

- Calculus
- Statistics

**Teaching Associate and Teaching Assistant, University of Tennessee Department of Mathematics (1988-1996)**

Courses taught:

- Precalculus
- Calculus I, II, and III
- Differential Equations
- Linear Algebra
- Financial Mathematics

**Adjunct Instructor, University of North Carolina at Asheville Department of Mathematics (1987-1988)**

**GRANTS**

**A Computer Information System as an Educational Aid for Inquiry-Based Learning of Calculus I**, Funded by The Educational Advancement Foundation 2008.

**A Novel Mentoring Partnership for Inquiry-Based Learning**, Funded by The Educational Advancement Foundation 2005.

**Sabbatical Grant to Study Texas Style Teaching at Emory University**, Funded by The Educational Advancement Foundation 2001.

**ARTICLES**

**Transition in Transition** (with B. Spieler), in preparation.

**A Novel Mentoring Partnership for Inquiry-Based Learning** (with B. Spieler), in preparation.

**Calculus I, Notes and Problems**, Being revised for resubmission to the Journal of Inquiry Based Learning in Mathematics

**Calculus II, Notes and Problems**, in preparation.

**What I learned from My Semester with William S. Mahavier**, Legacy of R.L. Moore Handouts (CD), The Educational Advancement Foundation, 2001.

**Geometric Groups I**, with V.N.Berestovskii and Conrad Plaut. *Transactions of the American Mathematical Society* Vol.351, No. 4, April 1999.

**SELECTED PRESENTATIONS**

**ACS IBL Workshop**, (with Stan Yoshinobu, Ed Parker, and Stephanie Nichols) Austin, Texas,

July 12-18, 2009

**Why Use IBL?**, Invited plenary talk at the 11th Annual Legacy of R.L. Moore Conference, Austin, Texas, July 10-12, 2008.

**Calculus Without a Textbook?**, MAA Southeastern Section Annual Conference, The Citadel, Charleston, SC, March 28-29, 2008.

**Five Years of Moore Method Calculus at Augusta State University**, 10th Annual Legacy of R.L. Moore Conference, Austin, Texas, April 12-14, 2007.

**MAA Short Course: Inquiry-Based and Problem-Based Learning in the Mathematics Classroom**, (with P. Bahls, A. Kelley, and B. Spieler) MAA Southeastern Section Meeting Statesboro, GA, March 16, 2007.

**Discovery Learning**, (with M. Benedict) GCTM conference in Rock Eagle, GA, October 21, 2006.

**Mentoring new IBL practitioners**, (with B. Spieler), 9th Annual Legacy of R.L. Moore Conference, Austin, Texas, May 11-13, 2006.

**Student Centered College Algebra**, MAA Southeastern Section Annual Conference, Auburn University April 1, 2006.

**Mentoring partnerships: A First Step Into Inquiry-Based Teaching**, (with B. Spieler) MAA Southeastern Section Annual Conference, Auburn University April 1, 2006.

**Mathematics and Student Creativity**, Third Annual Teaching Matters Conference on Pedagogy, Gordon College, Barnesville, GA, March 18-19, 2005.

**Mentoring the Moore Method**, (with W.S. Mahavier), 7th Annual Legacy of R.L. Moore Conference, Austin Texas, March 2004.

**An R.L. Moore Discovery Learning Experience in Real Analysis over Pizza**, (with A Rafiee and Stephen Stull), AMS/MAA Annual Meeting, New Orleans, January 12, 2001.

**Maple Workshop for Columbia County High School Math Teachers**, (with Sam Robinson), Lakeside High School, January 30, 2001.

**Maple Animations for Calculus**, Valdosta State University Mathematics Technology Conference, February 25, 2000.

**The Geometry of the Infinite Dimensional Torus**, MAA Meeting, Asheville, NC April 1, 1995.

## **SELECTED WORKSHOPS AND CONFERENCES ATTENDED**

**Annual Legacy of R.L. Moore Conference**, 2001-2010

**MAA Southeastern Section Meeting** 1995, 1999, 2000, 2002, 2003, 2006, 2007, 2008, 2009, 2010

**Redesigning Developmental Mathematics: Standards of Responsible Practice** 2007

**AMS/MAA Joint Meetings** 1996, 1998, 2000, 2001, 2005, 2006, 2007

**Valdosta State Mathematics Technology Conference** 1999, 2000

**Gordon College Teaching Matters Conference** 2005

**College Algebra Reform Workshop**, Clark Atlanta University, 2000

**The Barrett Lectures**, University of Tennessee, 2000

**Introduction to Maple V Release 5.1**, Atlanta, Georgia, November 1999

## **REVIEWS**

**Extending the Frontiers of Mathematics**, Edward B. Burger, for Key College Publishing, published in 2007 by Key College Publishing in cooperation with Springer

## **AFFILIATIONS**

**Mathematical Association of America**