

**Gerardo Aladro**  
Department of Mathematics  
Florida International University  
University Park Campus  
Miami, Florida 33199

### **Education**

- Ph.D. in Mathematics - Several Complex Variables, (Directed by S.G. Krantz); The Pennsylvania State University, University Park, Pennsylvania, May, 1985.

### **Academic Positions Held**

- Assistant Professor, Florida International University, Miami, Fall 1985-91.
- Associate Professor, Florida International University, Fall 1991-present.
- Freshman Math Coordinator, Florida International University, 1995-1996

### **Curriculum Development Activities**

- Quadric Surfaces (with Stacy West), Instructional Software Program.
- Set, Logic, and Writing, the objective of the course is to enhance critical thinking skills through reasoning and problem-solving, to use set theory and symbolic logic, and to involve writing as a critical thinking tool.
- Fundamentals of Mathematics, this course was designed for Hospitality Management majors.
- Introduction to Mathematical Proofs, this course was designed for Math Education majors to bridge the gap between Calculus sequence and more advanced math courses
- Gateway Engineering Program, development of new curriculum for freshman sophomore Engineering students.
- Math Anxiety Reduction Workshop

### **Publications in Refereed Journals**

- Applications of the Kobayashi Metric to Normal Functions of Several Complex Variables, Utilitas Mathematica, vol. 31 (1987) 13-24.
- The Comparability of the Kobayashi Approach Region and the Admissible Approach Region, Illinois Journal of Mathematics, vol. 33 (1989) 33 - 47.
- A Criterion for Normality in  $\mathbb{C}^n$ , (with S. G. Krantz), Journal of Mathematical Analysis and Applications, vol. 161 (1991) 1-8.
- Localization of the Kobayashi Distance, Journal of Mathematical Analysis and Applications, vol. 181, (1994) 200-204.
- Sets, Logic, and Writing: An Interdisciplinary Approach to the Learning of Math and English. (with R. Ratner), PRIMUS (Journal of Problems, Resources, and Issues in Mathematics Undergraduate Studies), vol. VII, No.4 (1997) 361-372.
- Looking at Both Sides of the Equation: Do Student Background Variables Explain Math Performance? (with Dora Acherman-Cho and Shamita Dutta Gupta) Journal of Hispanic Higher Education, Vol 2, N° 2, April 2003, 129-145.

## **Book**

- Contributor for the Algebra, Arithmetic and Trigonometry Section of Comprehensive Dictionary of Mathematics, CRC Press LLC, Jan 2001.

## **Competitive Grant Awarded**

1)

- Investigators: G. Aladro, G. Kafkoulis and E. Villamor
- Title: Instructional Mathematical Laboratory
- Funding Agency: National Security Agency
- Amount of Funding: \$176,233.00
- Date: August 1992
- Time Period: 2 years
- Objective: to experiment with the use of computers in teaching mathematics.

2)

- Investigators: C Mendez, G. Aladro, E. McClintock, G. O'Brien, Z. Jiang
- Title: Enhancing Minority Opportunity to Teach in Middle School: An Integrated Mathematics, Science and Technology Program
- Funding Agency: National Aeronautics and Space Administration (NASA)
- Amount of Funding: \$199,931.00
- Date: November 1998
- Time Period: 3 years
- Objective: to prepare pre-service middle school teacher in math, science and technology.

3)

- Investigators: G. Aladro, E. McClintock, Z. Jiang
- Title: Pre-Proposal: NASA Opportunities for Visionary Academics
- Funding Agency: National Aeronautics and space Administration (NASA)
- Amount of Funding: \$ 5,000
- Objective: to develop and implement an interdisciplinary course for preservice teachers.
- Date: April 1999

4)

- Investigators: G. Aladro, S. Dutta Gutta, L. Baron, D. Acherman, M. Rochelson.
- Title: Gender, Culture, and Math
- Funding Agency: FIU
- Amount of Funding: \$1,800.00
- Objective: to study the relationship between gender and culture and the success level in College Algebra.
- Date: November 1999

5)

- Investigators: G. Aladro, E. McClintock, Z. Jiang, G.O'Brien
- Title: Modeling in Mathematics and Science -An Interdisciplinary Course for

Preservice Secondary School Mathematics and Science Teachers.

- Funding Agency: National Aeronautics and Space Administration (NASA)
- Amount of Funding: \$30,000.00
- Objective: to develop and implement an interdisciplinary course for preservice teachers.
- Date: June 2000.

6)

- Investigators: Florida International University, University of Central Florida, University of North Florida, Florida Institute of Education
- Title: SUS Partners for Excellence in Education: Mathematics Pilot.
- Funding Agency: Florida Board of Regents and Chancellor's Initiative
- Amount of Funding: \$600,000.00
- Objective: to prepare math teachers to teach advanced courses as well as to improve the courses they are teaching.
- Date: June 2000-June 2001

7)

- Investigators: G. Aladro, E. McClintock, Z. Jiang, G.O'Brien
- Title: Mathematics, Science, and Technology Achievement (MSTA)
- Funding Agency: National Aeronautics and Space Administration (NASA)
- Amount of Funding: \$200,000.00
- Objective: to develop and implement an interdisciplinary course for preservice teachers.
- Date: July 2001.