# Education

Teachers College, Columbia University New York, NY

Ed.D., Mathematics Education 1996

Dissertation: A supplemental geometry unit to enhance eighth grade van hiele thinking levels.

Brooklyn College Brooklyn, NY

M.S., Mathematics Education 1989

St. John’s University Staten Island, NY

B.S., Elementary Education and Mathematics 1987

# Certifications

New York State Teacher Certification, Nursery-­‐6th grades 1987

New York State Teacher Certification, Mathematics 7-­‐12th grades 1988

# Teaching Experience

St. John’s University, School of Education Staten Island, Queens, and New York, NY

Professor 9/14-present

Associate Professor 9/06-8/14

Assistant Professor 9/00-8/06

Adjunct Assistant Professor 9/99-12/99

Wagner College, Department of Education Staten Island, New York

Adjunct Assistant Professor 1/97 -5/99

Brooklyn College, School of Education Brooklyn, New York

Adjunct Assistant Professor 9/92-6/98

Adjunct Instructor 9/90-6/92

Fontbonne Hall Academy High School, Mathematics Department Brooklyn, New York

Mathematics Teacher, Grades 9,10,12 9/97-8/00

St. Anselm School Brooklyn, New York

Teacher, Grades 3,5,6,8 9/87-8/97

# Administrative Experience

St. John’s University, School of Education Staten Island, New York

Associate Dean 8/16-present

St. John’s University, School of Education Staten Island, New York

Program Coordinator 9/08-7/16

St. John’s University, School of Education Queens, New York

Assistant Chair, Department of Curriculum and Instruction 9/13-5/15

St. John’s University, School of Education Staten Island, New York

Director of Field Experiences 9/13-1/15

# Professional Experience

Mathematics Professional Development Facilitator

* Northside Charter High School Brooklyn, NY

10/15-present

* Diocesan Schools Brooklyn, Queens, Long Island, and New York, NY

9/00-present

* Catholic Leadership Team, St. John’s University Queens, NY 5/11-6/15
* Academic Intervention Facilitator Center, Pace University New York, NY

11/05-11/08

* Community Elementary/Middle School 218 Bronx, NY

1/02-6/02

Doctoral Dissertation Committee Member, Mathematics Education 2005-2009

Grader of Doctoral Comprehensive Exam Question, Technology 2003-2007

Mentor for Master’s Degree Theses, Curriculum and Instruction 2009-2012

Reviewer for American Educational Research Association,

Doctoral Dissertation Award 2010

# Select Academic Awards and Honors

Literacy Advocate of the Year, Staten Island Reading Association 2016

Academic Service-Learning Award, St. John’s University 2013

Our Lady of Mount Carmel/St. Benedicta School Honoree 2013

Staten Island Center for Independent Living, Inc. Honoree 2013

Faculty Merit Award, St. John’s University 2006-2014

Teacher of Honor Award, Kappa Delta Pi International 2012

Honor Society in Education

# Publications

Books

Mistretta, R.M. (2016). *Parents matter: Supporting your child with math in grades k through 8*. Lanham, MD: Rowman & Littlefield Education.

Mistretta, R.M. (2015). *Using teacher inquiry for knowing and supporting parents with mathematics*. Lanham, MD: Rowman & Littlefield Education.

Mistretta, R.M. (2008). *Teachers engaging parents in mathematical learning: Nurturing productive collaboration*. Lanham, MD: Rowman & Littlefield Education.

Book Chapters

Mistretta, R.M. (2012). Mathematics teachers’ support of parents: The role of inquiry. In B. Boufoy-Bastick (Ed.), *The International Handbook Of Cultures Of Professional Development For Teachers, Collaboration, Reflection, Management And Policy* (pp. 329-342). Paris, France: Analytrics.

Mistretta, R.M. (2008). Cultivating parent-child collaboration concerning mathematical learning: A necessary objective for teacher preparation programs. In C.J. Craig & L.F. Deretchin (Eds.), *Teacher Education Yearbook XVI: Imagining a Renaissance in Teacher Education* (pp. 348-362). Lanham, MD: Rowman & Littlefield Education.

Articles

Mistretta, R.M. (in press). Conversations with family members about math. *School Community Journal*.

Mistretta, R.M. (2013). “We do care,” Say parents. *Teaching Children Mathematics* 19(9), 572-580.

Mistretta, R.M. (2013). Becoming “in the know” about parent-child collaborations in mathematics. *Mathematics Teacher Educator*, 1(2), 5-15.

Mistretta, R.M. (2013). 3 steps to stimulate your practice. *New Teacher Advocate*. Spring Issue, 12-13.

Mistretta, R.M. (2012). 3 steps, 1 goal: Teacher teams boost instruction using 3-part learning design. *Journal of Staff Development*, 33(6), 60-63.

Mistretta, R.M. (2012). Preparing teachers to cultivate parent-child collaboration in mathematics. *Journal of Mathematics Education Leadership*. 14(1), 63-71.

Mistretta, R.M. (2006). Vincentian mission: Opportunity and responsibility. *Center for Teaching and Learning Newsletter*, 12(4), 1-2.

Mistretta, R.M. (2005). Mathematics instructional design: Observations from the field.

*The Teacher Educator*, 41(1), 16-33.

Mistretta, R.M. (2005). Integrating technology into the mathematics classroom: The role

of teacher preparation programs. *The Mathematics Educator*, 15(1), 18-24.

Mistretta, R.M. (2004). Teacher reflections on the challenges of teaching mathematics

and professional development design. *New York State Mathematics Teachers’*

*Journal*, 54(3), 9-12.

Mistretta, R.M. (2004). Parental issues and perspectives involving mathematics

education in elementary and middle school settings. *Action in Teacher Education*, 26(2), 69-76.

Mistretta, R.M. (2003). Intersecting and perpendicular lines: Activities to prevent

misconceptions. *Mathematics Teaching in the Middle School*, 9(2), 84-91.

Mistretta, R.M. (2001). Accelerated mathematics programs: Do they also accelerate

interest? *New York State Mathematics Teachers’ Journal*, 51(3), 173-176.

Mistretta, R.M., & Porzio, J. (2001). Math by the month: Principles and standards for

school mathematics in the classroom. *Teaching Children Mathematics*, 7(8), 472-

473.

Mistretta, R.M. (2001). Math by the month: March ahead to basics. *Teaching Children*

*Mathematics*, 7(7), 416-417.

Mistretta, R.M., & Porzio, J. (2001). Math by the month: People, places and

mathematics. *Teaching Children Mathematics*, 7(6), 344-345.

Mistretta, R.M., & Porzio, J. (2001). Math by the month: Solving problems. *Teaching*

*Children Mathematics*, 7(5), 280-281.

Mistretta, R.M., & Porzio, J. (2000). Math by the month: It’s about time. *Teaching*

*Children Mathematics*, 7(4), 224-225.

Mistretta, R.M., & Porzio, J. (2000). Math by the month: Election mathematics.

*Teaching Children Mathematics*, 7(3), 160-161.

Mistretta, R.M., & Porzio, J. (2000). Math by the month: Celebrate metric day. *Teaching*

*Children Mathematics*, 7(2), 96-97.

Mistretta, R.M., & Porzio, J. (2000). Math by the month: Using manipulatives to show

what we know. *Teaching Children Mathematics*, 7(1), 32-33.

Mistretta, R.M. (2000). Enhancing geometric reasoning. *Adolescence*, 35(138), 365-379.

Proceedings

Mistretta, R.M. (2010). The impact of engaging families on mathematics teachers’ instructional practices.” *Peer-Reviewed Proceedings of the 2nd Annual Meeting of the International Conference on Education, Economy, and Society*  [CD-ROM]. Paris, France: Analytrics. *Later invited to revise and publish as a chapter in Analytrics’ International Handbook Of Cultures Of Professional Development For Teachers, Collaboration, Reflection, Management And Policy.*

Mistretta, R.M. (2006). The effects of a professional development model on mathematics instruction and student achievement. *Proceedings of the 28th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* [CD-ROM]. Merida, Yucatan, Mexico: Universidad Pedagogica Nacional.

Mistretta, R.M. (2004). Student issues and perspectives involving mathematics

education in elementary and middle school settings. *Proceedings of the Twenty-*

*Sixth Annual Meeting of the North American Chapter of* *the International Group for the Psychology of Mathematics Education, Canada, 3*, 1144-1145.

Mistretta, R.M. (2001). The mathematics learning environment: Reforms and visions

for the future. *2001 International Yearbook On Teacher Education Forty-Sixth World Assembly Proceedings*, *USA,* [CD – ROM].

Book Reviews

Mistretta, R.M. (2005). Achieving quantitative literacy: An urgent challenge for higher

education. [Review of book]. *Mathematics Teacher*, 98(7), 510.

Mistretta, R.M. (1999). High school mathematics at work: Essays and examples for the education of all students. [Review of book]. *Mathematics Teacher*, 92(7), 640.

Software Reviews

Mistretta, R.M. (2006). Martin gardner’s mathematical games: The entire collection of his scientific american columns. *Mathematics Teacher*, 99(7), 528.

# Select Program Appearances

2014 (February 15) Invited Speaker, “Experiential Learning Outcomes At Nonprofit Organizations,” Association of Teacher Educators Annual Conference, St. Louis, Missouri.

2013 (October 25) Invited Speaker, “Lessons Learned Outside Classroom Walls: Experiential Service Learning,” Kappa Delta Pi International Honor Society Biennial Convocation, Dallas, Texas.

2013 (April 30) Invited Speaker, “Weaving Inquiry Into Practical Experiences: A Means For Informing Preservice Teachers About Parents And Math.” American Educational Research Association Annual Conference, San Francisco, CA.

2013 (February 18) Invited Speaker, “Practical Experiences Outside Classroom Walls: Their Role In Teacher Preparation.” Association of Teacher Educators Annual Conference, Atlanta, GA.

2013 (January 22) Invited Panel Moderator, “Academic Service-Learning Project Within The School of Education.” St. John’s University, Staten Island Campus Academic Service-Learning Faculty Institute.

2013 (January 26) Invited Speaker, “Inquiring about Parent-Child Collaborations in a Mathematics Methods Course: Practical Experiences for Informing Practices.” Association of Mathematics Teacher Educators Annual Conference, Orlando, FL.

2013 (November 29) Invited Panel Moderator, “Understanding Students With Disabilities.” St. John’s University, Staten Island Campus 1st Annual Education Forum.

2012 (October 25) Invited Speaker, “We Do Care: What Parents Say About Helping With Math.” National Council of Teachers of Mathematics Regional Conference, Hartford, CT.

2012 (October 16) Invited Panel Moderator, “Balancing Gifts And Needs: Practices That Embrace.” St. John’s University, Queens Campus Conference: Beyond Accommodation: Embracing Persons With Disabilities.

2012 (June 22) Invited Speaker, “Internship Placement Project: A Four-Year Academic Service-Learning Initiative For Pre-Service Teachers.” International Center for Service-Learning in Teacher Education Conference in collaboration with Duke University’s Program in Education and Duke University’s Service-Learning Program, Durham, North Carolina.

2012 (February 2) Invited Speaker, “Education Spotlight Luncheon.” Staten Island Campus Student Government Session.

2011 (February 16) Invited Speaker, “Supporting Connection: A School-Based Professional Development Model Involving Multi-Grade Level Communities of Practice.” Association of Teacher Educators Annual Conference, Orlando, Florida.

2011 (February 15) Invited Speaker, “In Collaboration: A Mathematics and Science Parental Engagement Initiative.” Association of Teacher Educators Annual Conference, Orlando, Florida.

2010 (August 15) Research Session Invited Speaker, “In Collaboration: A Mathematics and Science Parental Engagement Initiative.” Association of Teacher Educators Regional Conference, Kansas City, Missouri.

2010 (July 23) Research Session Invited Speaker, “The Impact of Engaging Families on Mathematics Teachers’ Instructional Practices.” International Conference on Education, Economy, and Society, Paris, France.

2010 (May 1) Invited Speaker, “Teachers Engaging Families In Mathematical Learning: Lessons Garnered From The Field.” American Educational Research Association Annual Conference, Denver, Colorado.

2010 (April 16) Invited Speaker, “Don’t Forget Your Parents!” Long Island Math Annual Conference, Long Island, New York.

# Grants

2015-2016

Awarded a $50,000 grant from Staten Island Foundation for an after-school program for English Language Learners.

Program Title: Plus Books

I act as principal investigator and mathematics instructor of the program serving 100 families from two schools. Children’s books about mathematical concepts are used to build both language and mathematics proficiencies.

2014-2015

Awarded a $50,000 grant from Staten Island Foundation for an after-school program for English Language Learners.

Program Title: Plus Books

I acted as principal investigator of the program that served 100 families from three schools. Children’s books about mathematical concepts were used to build both language and mathematics proficiencies.

2011-2012

Awarded a $50,000 grant from Staten Island Foundation for a mathematics and science parental engagement initiative.

Program Title: In Collaboration

I acted as principal investigator and mathematics instructor of the initiative that served pre-service teachers and 15 families in learning about meaningful collaboration among teachers, parents, and children.

2010-2011

Awarded a $10,000 grant from Northfield Bank for a mathematics and science parental engagement initiative.

Program Title: In Collaboration

I acted as principal investigator and mathematics instructor of the initiative that served 18 pre-service teachers and 15 families in learning about meaningful collaboration among teachers, parents, and children.

2009

Awarded a $150,000 grant from the Richmond County Savings Bank for the design of two Teaching and Learning Labs on the Staten Island campus of St. John’s University. I designed these labs to provide active learning environments for preservice and inservice teachers, as well as the neighboring community of schools and families.

2009-2010

Awarded a $25,000 grant from the Staten Island Foundation for a mathematics and science parental engagement initiative.

Program Title: In Collaboration

I acted as principal investigator and mathematics instructor of the initiative that served 36 pre-service teachers and 30 families in learning about meaningful collaboration among teachers, parents, and children.

2002-2009

Awarded a vendor contract for $750,000 from the New York City Department of Education under “No Child Left Behind” for Title II Professional Development For Non Public School Teachers, Principals, and Other Appropriate Personnel

Program Title: Project TIE: Training Innovative Educators (An English Language Arts and Mathematics Initiative)

I acted as principal investigator for the mathematics component of Project TIE and provided mathematics professional development services to administrators, teachers, students, and parents at 24 participating schools. The principals of the participating Pre-K to eight schools received progress reports and summaries of the provided services. Program evaluations for each year were completed and submitted to the Department of Education.

# Membership in Professional Societies

American Educational Research Association

Association of Mathematics Teacher Educators

Association of Teacher Educators

National Council of Teachers of Mathematics

# Courses Taught

Online

* Methods of Geometry Instruction
* Mathematics Content, Curriculum, and Instruction

Undergraduate

* Foundations of Education
* Methods of Teaching Mathematics
* Mathematics Content for Elementary School Teachers
* Methods of Teaching Secondary School
* Technology and Society: School, Community, Workplace
* Human Learning and Development
* Educational Theory to Practice: Childhood Education
* Educational Theory to Practice: Adolescent Education

Graduate

* Current Research Trends in the Teaching of Science
* Current Research Trends in the Teaching of Mathematics
* Innovative Strategies for Teaching Secondary Mathematics
* Teaching and Learning: Childhood Educations
* Teaching and Learning: Adolescent Education
* Assessment and Evaluation

# References

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South Orange, NJ 07079

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Dr. David Fuys

Professor and Chairperson of Mathematics Education, School of Education, Brooklyn College (retired)

100 Lake Shore Road #3

Brighton, MA 02134

Tel: (917) 388-6753

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Dean, School of Education, St. John’s University (retired)

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