

Presentations

- (2009, April). *Venues for Defining and Differentiating Teacher Knowledge and Professional Expertise In Mathematics Education*. (w/ N. Cengiz and K. Kline) Paper presented at the annual meeting of the American Educational Research Association, San Diego, California.
- (2008, October). *Exploring the Knowledge Needed for Teaching Fraction Division*. (w/ J. L). Invited presentation for the Special Session on the Mathematical Knowledge for Teaching at the Fall Central Section Meeting of the American Mathematical Society, Kalamazoo, Michigan.
- (2008, January) *Focusing on Justification in the Context of Computation: A First Course for Prospective Teachers*. (w/ J. Flowers & K. Kline). MAA-AMS Joint Mathematics Meetings, San Diego, California.
- (2007, April) *Examining and Developing Preservice Teachers' Content Knowledge*. (w/ J. Lo, C. Browning, D. Canada, S. Kastberg, J. Lo, and E. Thanheiser) National Council of Teachers of Mathematics, Research Pre-session, St. Louis.
- (2007, April) *Teacher questioning to extend student thinking*. (w/ N. Cengiz & K. Kline) American Educational Research Association, Chicago, Illinois.
- (2007, January) *Supporting teacher educator's efforts to develop students' ability to reason*. (w/ K. Kline) Association of Teacher Educators, Irvine, California.
- (2007, January) *Adapting and extending elementary tasks for use with prospective teachers*. (w/ J. Lo) Association of Teacher Educators, Irvine, California.
- (2006, November) *Issues in Analyzing Records of Classroom Instruction*. (w/ K. Kline & N. Cengiz) Mid-Atlantic Center for Mathematics Teaching and Learning/Center for Proficiency in Teaching Mathematics/Center for the Study of Mathematics Curriculum Working Conference, College Park, Maryland.
- (2006, April) *Characterizing teachers' emergent use of a reform-based elementary mathematics curriculum*. (w/ C. Crumbaugh, K. Kline, O. Kim & N. Cengiz) American Educational Research Association, San Francisco, California.
- (2006, April) *Reading with Fractions: The case of prospective elementary teachers*. (w/ J. Lo & J. Flowers) National Council of Teachers of Mathematics, St. Louis.
- (2005, October) *Exploring Elementary Teachers' Use of a New Mathematics Curriculum*. (w/ C. Crumbaugh, O. Kim, K. Kline, & N. Cengiz) North American Chapter of the International Group for the Psychology of Mathematics Education, North America, Roanoke, Virginia.
- (2005, October) *Issues in Collecting and Analyzing Student Representations of Data*. (w/ N. Cengiz, K. Kline, O. Kim & C. Crumbaugh)

North American Chapter of the International Group for the Psychology of Mathematics Education, North America, Roanoke, Virginia.

(2005, April) *Prospective Elementary Teacher Efforts to Develop and Justify Computation Procedures.* (w/ J. Lo & J. Flowers)

National Council of Teachers of Mathematics, Research Pre-session, Anaheim, California.

(2005, April) *Developing and Justifying Reasoning Procedures: Challenges Faced by Instructors and Their Prospective Teacher Students.* (w/ J. Lo)

American Educational Research Association, Montreal, Canada.

(2004, October) *Developing Mathematical Justification: The Case of Prospective Elementary School Teachers.* (w/ J. Lo & J. Flowers)

North American Chapter of the International Group for the Psychology of Mathematics Education, North America, Toronto, Canada.

(2004, April) *The Impact of Long-Term Professional Development on Teachers' Beliefs and Practice.* (w/ K. Kline)

American Educational Research Association, San Diego, California..

(2004, January) *Using Videotape Case Studies of Classroom Instruction to Encourage Thoughtful Reflection on Teaching.* (w/ K. Kline)

Association of Mathematics Teacher Educators, San Diego, California.

(2003, April) *The Impact of Professional Development Involving Lesson Analysis on Teachers' Thinking and Practice.* (w/ K. Kline)

American Educational Research Association, Chicago, Illinois.

(2002, October) *What Do Elementary Teachers Learn From Reform Mathematics Textbooks?* (w/ K. Kline & M. Weinhold)

North American Chapter of the International Group for the Psychology of Mathematics Education, North America, Athens, Georgia..

(2002, February) *Developing Teachers' Knowledge of Content and Pedagogy Through Implementation of a Standards-Based Mathematics Curriculum.* (w/ K. Kline)

Association of Teacher Educators, Denver, Colorado.

(2001, October) *What Impacts Teachers as They Implement a Reform Curriculum?: The Case of One Fifth Grade Teacher.* (w/ K. Kline)

North American Chapter of the International Group for the Psychology of Mathematics Education, North America, Snow Bird, Utah.

(2001, April) *Supporting Teacher Change Through Professional Development that Promotes Thoughtful Reflection on Teaching.* (w/ K. Kline)

National Council of Supervisors of Mathematics, Orlando, FL.

(2000, October) *Effective Professional Development for Elementary Mathematics Teachers.* (w/ K. Kline) Michigan Council of Teachers of Mathematics, Invited Address.

- (2000, April) *Understanding Teachers' Changing Beliefs & Practice While Implementing a Reform Curriculum.* (w/ K. Kline)
American Educational Research Association, New Orleans, LA.
- (1999, October) *Teaching Without a Net: The Case of a Novice Teacher Using an NSF-Funded Reform Curriculum Without Training.*
North American Chapter of the International Group for the Psychology of Mathematics Education, North America, Cuernavaca, Mexico.
- (1999, October) *InMath Investigations Networking Session.* (w/ J. Flowers)
Michigan Council of Teachers of Mathematics, Grand Rapids.
- (1999, April) *Using the Investigations curriculum to change teaching.* (w/ K. Kline)
National Council of Teachers of Mathematics, San Francisco.
- (1999, January) *Using Exemplary Curricular Materials as an Integral Part of Elementary and Middle School Preservice Teacher Education* (panel discussion).
Association of Mathematics Teacher Educators, Chicago.
- (1998, October) *Using Investigations to transform your teaching: A panel discussion about reform in elementary classrooms* (panel discussion). (Organizer & co-chair w/ K. Kline)
Michigan Council of Teachers of Mathematics, Lansing.
- (1998, January) *Field experiences in pre-service elementary mathematics methods courses* (panel discussion) Association of Mathematics Teacher Educators, Pomona, CA.
- (1996, November) *The role of biography in reforming elementary mathematics and social studies instruction: The case of Todd.*
Part of Symposium: *Affirming democracy: Teachers' perspectives and practices.*
National Council of Teachers for the Social Studies, Washington DC.
- (1996, October) *Analyzing our assessment practices.*
Michigan Council of Teachers of Mathematics.
- (1996, April) *Preservice teacher planning: An analysis of the journey from learner to teacher in mathematics and social studies.*
American Educational Research Association, New York.
- (1996, April) *An analysis of the mathematics assessment practices of middle school teachers.* (w/ D. Archbald). Part of symposium: *How "authentic" is assessment in the classroom? Studies of assessment practices in mathematics.*
American Educational Research Association, New York.
- (1996, March) *Issues in the development of reform-minded instruction*, colloquium presentation, Department of Mathematics and Statistics, Western Michigan University, Kalamazoo, MI.

(1994, April) *Teachers' beliefs and their responses to reform-minded instruction in elementary mathematics.* (w/ J. Hiebert, & D. Wearne)
American Educational Research Association, New Orleans, LA.

(1990, February) *Recursive edge-colorings of recursive graphs.*
Southeastern International Conference on Combinatorics, Graph Theory, and Computing,
Boca Raton, FL.