



**SIG/Research in Mathematics Education
American Educational Research Association**
<http://www.sigrme.org>

Winter 2012 Newsletter

SIG/RME Executive Board

Co-Chairs

Jinfa Cai
University of Delaware
2010-2012

Eric Knuth
University of Wisconsin-Madison
2011-2013

Treasurer

Tonya Gau Bartell
University of Delaware
2010-2012

Communications

Mary Q. Foote
Queens College, CUNY
2011-2013

Electronics

Dan Battey
Rutgers, The State University of New Jersey
2011-2013

Awards

Joanne Lobato
San Diego State University
2010-2012

Events

Ann Ryu Edwards
University of Maryland
2011-2013

What's Inside

SIG/RME Election Results	p. 2
Early Career Publication Award	p. 2
AERA Information	p. 2-6
NCTM Research Pre-Session Information	p. 6
Draft of Revision to SIG/RME Bylaws	p. 6-7
SIG/RME Website	p. 7
Membership Dues & Contact Information	p. 7
Important Dates	p. 7-8

SIG/RME Election Results

Congratulations to the newly elected officers!

Co-chair

Maria Blanton
TERC

Awards Board Member

Denise Spangler
University of Georgia

Secretary-Treasurer

Shuhua An
California State University, Long Beach

We appreciate their willingness to serve SIG/RME the next two years. We extend our thanks to outgoing board members Jinfa Cai, Joanne Lobato, and Tonya Gau Bartell.

Early Career Publication Award

Anita Wager was selected as the recipient of the 2012 Early Career Publication Award for her publication, "Incorporating out-of-school mathematics: From cultural context to embedded practice," which was recently published in Volume 15, Issue 1 (2012) of the *Journal of Mathematics Teacher Education*. This award recognizes outstanding mathematics education research published by individuals within five years of receiving their doctoral degrees. The award will be presented at the upcoming NCTM Research Pre-session's opening session. Congratulations, Anita!

AERA Information

The 2012 AERA Annual Meeting will be held Friday, April 13, through Tuesday, April 17, 2012, in Vancouver, British Columbia, Canada. The theme is ***Non Satis Scire: To Know is Not Enough.***

This year, we received a record high number of proposals (a nearly 10% increase compared to last year). There were 154 proposals submitted to SIG/RME; 17 for Symposium Proposals and 137 Individual Paper proposals fit the requirements. We are grateful to over 50 reviewers who reviewed the 154 proposals. In total, we received 465 reviews. Thank you colleagues for reviewing the proposals!!!!

SIG/RME received an allocation of 14 sessions for paper sessions or symposia, 51 for Roundtable or Poster presentations, as well as our annual Business Meeting. Nine of the 17 symposium proposals (about 53%) were accepted. One symposium proposal was accepted as a roundtable session. Of the 137 individual paper proposals, 23 were accepted for paper presentations and 25 were accepted for roundtable or poster presentations (about 35%).

The SIG/RME Business Meeting will be held on Saturday, April 14 from 6:15pm - 8:15pm in the Sheraton Wall Centre, Floor Grand Ballroom Level - North Grand Ballroom A. We hope to see you all there.

SIG/RME Schedule at AERA

SIG/RME BUSINESS MEETING AND RECEPTION

Research in Mathematics Education SIG Business Meeting

Time: Sat, Apr 14: 6:15pm - 8:15pm

Place: Sheraton Wall Centre, Floor Grand Ballroom Level - North Grand Ballroom A

Chair: Jinfa Cai

SYMPOSIA

Developing Ambitious Mathematics Teaching with an Equity Stance: Re-thinking Routine Practice

Time: Fri, Apr 13: 12:00pm - 1:30pm

Place: Sheraton Wall Centre, Floor Fourth Level – North Port McNeill

Discursive Practice and Knowledge Construction in Mathematics Classrooms in Widely Different Cultural Settings

Time: Fri, Apr 13: 2:15pm - 3:45pm

Place: Sheraton Wall Centre, Floor Third Level – South Pavilion Ballroom D

Harnessing Psychometric Models to Develop Next Generation, Research-Based

Assessments of Rational Number Knowledge

Time: Fri, Apr 13: 2:15pm - 3:45pm

Place: Sheraton Wall Centre, Floor Grand Ballroom Level - North Grand Ballroom B

Understanding the Development of High-Leverage Mathematical Teaching Practices

Time: Sat, Apr 14: 12:25pm - 1:55pm

Place: Sheraton Wall Centre, Floor Lower Lobby Level - North Gulf Islands BCD

Gender and Mathematics: An Interdisciplinary Symposium Examining Classroom Influences, Achievement, and Affect

Time: Sat, Apr 14: 2:15pm - 3:45pm

Place: Sheraton Wall Centre, Floor Third Level – North Junior Ballroom B

Learning Mathematics Through Networked Classroom Activities: 10 Years of

Progress?

Time: Sun, Apr 15: 8:15am - 10:15am

Place: Sheraton Wall Centre, Floor Grand Ballroom Level - North Grand Ballroom D

Bridging Research and Practice: From Cognitive Principles to Design Principles**of Curriculum, Instruction and Assessment**

Time: Sun, Apr 15: 10:35am -12:05pm

Place: Sheraton Wall Centre, Floor Third Level – North Junior Ballroom D

Re-examining the Links Between Curriculum and Instruction for Latina/o Mathematics Learners

Time: Sun, Apr 15: 12:25pm - 1:55pm

Place: Sheraton Wall Centre, Floor Fourth Level – South Granville

Reasoning and Proving in Mathematics Textbooks Across the Grades

Time: Sun, Apr 15: 2:15pm - 3:45pm

Place: Sheraton Wall Centre, Floor Lower Lobby Level – North Gulf Islands BCD

Intensified Algebra: A Design-Based Research and Development Project for Double-Period High School Algebra

Time: Mon, Apr 16: 8:15am - 9:45am

Place: Sheraton Wall Centre, Floor Grand Ballroom Level - North Grand Ballroom D

PAPER SESSIONS**Large-Scale Studies in Mathematics Education**

Time: Fri, Apr 13: 12:00pm - 1:30pm

Place: Sheraton Wall Centre, Floor Third Level – South Pavilion Ballroom D

Students' Mathematical Thinking and Learning

Time: Sat, Apr 14: 8:15am - 10:15am

Place: Sheraton Wall Centre, Floor Fourth Level – North Port McNeill

Teachers' Mathematical thinking and Learning

Time: Sat, Apr 14: 4:05pm - 6:05pm

Place: Sheraton Wall Centre, Floor Fourth Level – North Port Alberni

Mathematical Teachers' Beliefs and Knowledge

Time: Mon, Apr 16: 8:15am - 10:15am

Place: Sheraton Wall Centre, Floor Third Level – South Pavilion Ballroom D

The Development of Mathematical Cognition: Multidisciplinary Approaches

Time: Mon, Apr 16: 2:15pm - 3:45pm

Place: Sheraton Wall Centre, Floor Lower Lobby Level - North Gulf Islands BCD

ROUNDTABLE SESSIONS

Mathematics Learning with Diverse Learners

Time: Sat, Apr 14: 4:05pm - 5:35pm

Place: Sheraton Wall Centre, Floor Third Level – South Blue Whale

Educational Technology and Mathematics Learning

Time: Tue, Apr 17: 12:25pm - 1:55pm

Place: Vancouver Convention Center, Floor Second Level - East Room 1

Effective Mathematics Teaching: Is There a Best Approach?

Time: Tue, Apr 17: 12:25pm - 1:55pm

Place: Vancouver Convention Center, Floor Second Level - East Room 1

Instructional Materials Based Mathematics Education Reform in Urban Districts

Time: Tue, Apr 17: 12:25pm - 1:55pm

Place: Vancouver Convention Center, Floor Second Level - East Room 1

Mathematical Discourse and Student Learning

Time: Tue, Apr 17: 12:25pm - 1:55pm

Place: Vancouver Convention Center, Floor Second Level - East Room 1

POSTER SESSIONS

Instrumentation for Measuring Teacher Knowledge for Teaching

Time: Tue, Apr 17: 8:15am - 9:45am

Place: Vancouver Convention Center, Floor First Level - East Ballroom B

Teaching and Learning Mathematics: Multiple Perspectives

Time: Tue, Apr 17: 8:15am - 9:45am

Place: Vancouver Convention Center, Floor First Level - East Ballroom B

Teachers' Beliefs, Knowledge, and Instructional Practice

Time: Tue, Apr 17: 10:35am - 12:05pm

Place: Vancouver Convention Center, Floor First Level - East Ballroom B

What Do We Know About Mathematics Curriculum? Comparative Studies

Time: Tue, Apr 17: 10:35am - 12:05pm

Place: Vancouver Convention Center, Floor First Level - East Ballroom B

Attitudes, Metacognition, and Problem Solving

Time: Tue, Apr 17: 2:15pm - 3:45pm

Place: Vancouver Convention Center, Floor First Level - East Ballroom B

Developing Number Sense in K-8

Time: Tue, Apr 17 - 2:15pm - 3:45pm

Place: Vancouver Convention Center, Floor First Level - East Ballroom B

Effective Mathematics Teaching for Maximizing Learning Opportunities

Time: Tue, Apr 17: 2:15pm - 3:45pm

Place: Vancouver Convention Center, Floor First Level - East Ballroom B

Mathematical Reasoning and Proof across Grades

Time: Tue, Apr 17: 2:15pm - 3:45pm

Place: Vancouver Convention Center, Floor First Level - East Ballroom B

NCTM Research Pre-Session Information

The Research Pre-session is sponsored by the NCTM Research Committee and the Special Interest Group on Research in Mathematics Education (SIG/RME) of the American Educational Research Association (AERA).

The NCTM Research Pre-session serves multiple purposes. First, it annually brings researchers together to examine and discuss current issues in mathematics education. Second, it is a chance for researchers to receive feedback on their work and to benefit from exposure to alternative points of view. Third, the Research Pre-session is an opportunity to capitalize on the collective wisdom available when researchers and practitioners come together to discuss mathematics education and research. Finally, the Research Pre-session affords beginning scholars opportunities to interact and network with veteran researchers in the field.

NCTM has adopted Linking Research and Practice as a priority for the Council. The Annual Meeting will continue to strengthen the links between research and practice in the Council's ongoing work. It will be held in Philadelphia, Pennsylvania April 23-25, 2012. The **opening session** is Monday, April 23rd at 7:00 p.m. Kathy Heid, as outgoing JRME editor, will be the speaker for the opening session. There will be **concurrent sessions** from 8:30 a.m. to 6:00 p.m. on Tuesday, April 24th, and from 8:30 a.m. to 4:30 p.m. on Wednesday, April 25th.

A **plenary session** on Wednesday morning, April 25th, will highlight the theme of Linking Research and Practice. Margaret (Peg) Smith will be the speaker. Sessions including individual papers, research symposia, and work sessions have been scheduled, allowing members of the National Council of Supervisors of Mathematics (NCSM) and other practitioners interested in research to attend.

The final program for the NCTM Research Pre-session is now available through NCTM's website at <http://nctm.org>. Pre-registration for the Research Pre-session is also available electronically through NCTM's website at <http://nctm.org>. On-site registration will also be available. For more information on registration costs, please consult the NCTM website.

Draft of Revision to SIG/RME Bylaws

The SIG/RME Bylaws have recently been revised. The revisions will be voted on at the SIG/RME Business meeting on Saturday, April 14 as detailed above. A draft of

the revised bylaws are available for your review on the SIG/RME website at <http://www.SIGRME.org>.

SIG/RME Website

Please check our website at <http://www.SIGRME.org> for information related to SIG/RME announcements, positions available, upcoming conferences, and much more.

If you have any information you think should be posted on the SIG/RME website, please contact Dan Battey at <dan.battey@gse.rutgers.edu>.

The SIG/RME Annual Membership Directory is available on the SIG/RME website. Please check your contact information in the current directory by checking the electronic directory on the SIG/RME website. **(The user ID is math, and the password is SIGRME.)**

If any changes need to be made to your contact information, please notify Tonya Gau Bartell at tbartell@udel.edu.

Membership Dues and Contact Information

A few years ago, a change occurred in our membership policy as dictated by AERA. You may now renew your SIG/RME membership when you renew your AERA membership. This way, your SIG/RME dues are processed by AERA, and your membership dates are always the same.

AERA has changed its membership procedures. All SIG-RME members must also be active members of AERA. (In other words, it is no longer possible to be a member of SIG-RME and not a member of AERA.)

If your mailing address or other contact information is incorrect, please update your contact information through the AERA website.

Important Dates

2012

- | | |
|-------------|---|
| April 13-17 | AERA Annual Meeting in Vancouver, British Columbia, Canada
(http://www.aera.net) |
| April 23-25 | NCTM Research Pre-Session in Philadelphia, PA
(http://www.nctm.org) |
| April 25-28 | NCTM Annual Meeting and Exposition in Philadelphia, PA
(http://www.nctm.org) |

Nov. 1-4 Psychology of Mathematics Education – North America (PME-NA) Annual Meeting in Kalazamoo, Michigan
(<http://www.pmena.org>)

2013

Jan. 24-26 Association of Mathematics Teacher Educators (AMTE) Annual Meeting in Orlando, FL
(www.amte.net)

April 17-20 NCTM Research Pre-Session in Denver, CO

April 27-May 1 AERA Annual Meeting in San Francisco, CA