



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

Winter 2015 Newsletter

SIG/RME Executive Board

Co-Chairs

Paola Sztajn
North Carolina State University
2013 – 2015

Janine Remillard
University of Pennsylvania
2014 - 2016

Treasurer

Anita Wager
University of Wisconsin-Madison
2014 - 2016

Communications

Erin Turner
University of Arizona
2013 - 2015

Electronics

Kristen Bieda
Michigan State University
2013 - 2015

Awards

Victoria Hand
University of Colorado Boulder
2014 - 2016

Events

Vanessa Pitts Bannister
Florida A&M University
2013 - 2015

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SIG/RME Election Results

Congratulations to the newly elected officers!

Co-Chair (2015-2017)

Ilana Horn

Vanderbilt University

Communications Board Member (2015-2017)

Hala Ghousseini

University of Wisconsin, Madison

Events Board Member (2015-2017)

Paula Guerra

Kennesaw State University

Electronics Board Member (2015-2017)

Meghan Shaughnessy

University of Michigan

We appreciate their willingness to serve SIG/RME the next two years.

We extend our thanks to outgoing board members
Paola Sztajn, Erin Turner, Kristen Bieda and Vanessa Pitts-Bannister.

Early Career Publication Award

This year, there were two recipients of this award.

Katherine Lewis of the University of Washington was selected as one of the recipients of the 2015 Early Career Publication Award for her publication, "Difference not deficit: Reconceptualizing mathematical learning disabilities," which was published in 2014 in Volume 45, Issue 3 of *Journal for Research in Mathematics Education*.

Charles Hohensee of the University of Delaware was also selected as one of the recipients of the 2015 Early Career Publication Award for his publication, "Backward transfer: How mathematical understanding changes as one builds upon it," which was published in 2014 in Volume 16, Issue 2 of *Mathematical Thinking and Learning*.

This award recognizes outstanding mathematics education research published by individuals within six years of receiving their doctoral degrees. The award will be presented at the SIG/RME business meeting at AERA and will also be announced at the NCTM Research Conference opening session. Congratulations, Katie and Charles!

AERA Information

The 2015 AERA Annual Meeting will be held Thursday, April 16, through Monday, April 20th, 2014, in Chicago, Illinois. The theme is *Towards Justice: Culture, Language and Heritage in Education Research and Praxis*.

The SIG/RME Business Meeting and Reception will be held on **Saturday, April 18, 6:30-8:00 PM, in the Marriot, Third Level, Kane/McHenry room**. The meeting will include an invited address by Senior Scholar Awardee, James Hiebert, entitled: *Ill-conceived reforms and damaging craziness: Corrective possibility of implementation theory*. A schedule for the meeting and reception follows. We hope to see you all there. If you are unable to attend but have an item for discussion at the business meeting, please send the item to Paola Sztajn (psztajn@ncsu.edu) and we will try to address it at the meeting.

6:30-7:00 SIG/RME Reception

7:00-8:00 SIG/RME Awards

Invited Address by Senior Scholar Awardee, Dr. James Hiebert

8:00-8:30 Business meeting

- Introduction of new officers
- Year in review
- Treasurer Report
- Discussion and vote on use of SIG budget

SIG/RME Schedule at AERA

THURSDAY, April 16th

Analyzing the Common Core Standards for Mathematical Practice

Time: 12:00-1:30 pm

Type: Roundtable Session

Place: Hyatt, East Tower – Purple Level, Riverside East

Students' Mathematics Thinking: Grades 5-8
Time: 2:15-3:45 pm
Type: Roundtable Session
Place: Hyatt, East Tower – Purple Level, Riverside East

FRIDAY, April 17th

Transforming College Mathematics Instruction: Opportunities and Challenges at the Classroom and Institutional Levels

Time: 8:15-10:15 am
Type: Symposium
Place: Marriott, Fifth Level, Los Angeles/Miami

Curriculum Studies and Materials in Mathematics

Time: 10:35-12:05 pm
Type: Paper Session
Place: Marriott, Sixth Level, Lincolnshire

Teaching, Discourse, and Noticing in Mathematics Classrooms

Time: 12:25-1:55 pm
Type: Paper Session
Place: Marriott, Fourth Level, Armitage

Case Studies as Courageous Conversations about Equity in the Mathematics Methods Classroom

Time: 2:15-3:45 pm
Type: Workshop Session
Place: Marriott, Sixth Level, Minnesota

Research in Mathematics Education SIG Poster Session

Time: 4:05-5:35 pm
Type: Poster Session
Place: Sheraton, Fourth Level, Chicago VI and VII

Fractions Learning: One Subject, Multiple Representations

Time: 4:05-6:05 pm
Type: Symposium
Place: Marriott, Fifth Level, Chicago ABC

Adoption or Adaptation: Lesson Study in Mathematics

Time: 4:05-6:05 pm
Type: Symposium
Place: Marriott, Sixth Level, Great America

SATURDAY, April 18th

Exploring Middle School Teachers' Use of Curriculum Materials in the Context of the Common Core

Time: 10:35-12:05 pm

Type: Symposium

Place: Marriott, Tenth Level, Water Tower

Whole-Teacher Approach: Investigations on Mathematics Teaching in Early Childhood Teachers

Time: 2:45-4:15 pm

Type: Roundtable Session

Place: Hyatt, East Tower- Purple Level, Riverside West

Research in Mathematics Education SIG Business Meeting and Invited Address by Senior Scholar Awardee James Hiebert, University of Delaware

Time: 6:30-8:30 pm

Type: Business Meeting

Place: Marriott, Third Level, Kane/McHenry

SUNDAY April 19th

Research in Mathematics SIG Poster Session 2

Time: 8:15-9:45 am

Type: Poster Session

Place: Sheraton, Fourth Level, Chicago VI and VII

Mathematics Teacher Knowledge and Professional Development

Time: 10:35-12:05 pm

Type: Paper Session

Place: Marriott, Sixth Level, Minnesota

Mathematics Curriculum Contingencies: From Authoring to Enactment via Curriculum Resources

Time: 12:25-1:55 pm

Type: Symposium

Place: Marriott, Sixth Level, Lincolnshire

Mathematics Teacher Education: Results and Implications of an International Study

Time: 2:15-3:45 pm

Type: Symposium

Place: Marriott, Third Level, Kane/McHenry

Multimedia Online Experiences as Research Tools to Study Mathematics Teaching Knowledge at Scale

Time: 4:05-5:35 pm

Type: Symposium

Place: Marriott, Sixth Level, Minnesota

MONDAY, April 20th

High School and University Students' Mathematical Thinking

Time: 8:15-9:45 am

Type: Roundtable Session

Place: Hyatt, East Tower – Gold Level, Crystal BC

Mathematics Student Attitudes and Beliefs

Time: 10:35-12:05 pm

Type: Roundtable Session

Place: Hyatt, East Tower – Gold Level, Crystal BC

Students' Mathematical Thinking: Grades K-5

Time: 12:25-1:55 pm

Type: Paper Session

Place: Marriott, Third Level, Cook

Mathematics Teacher Education

Time: 2:15-3:45 pm

Type: Roundtable Session

Place: Hyatt, East Tower – Gold Level, Crystal BC

NCTM 2015 Research Conference Information

The NCTM Research Conference is sponsored by the NCTM Research Committee and the SIG/RME. The NCTM Research Conference this academic year will be held on April 13-15 in Boston.

The NCTM Research Conference 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 Conference 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 Conference affords beginning scholars opportunities to interact and network with veteran researchers in the field.

MONDAY April 13th

There will be **Brief Report Sessions** from 5:00-5:30 pm, followed by **Poster Sessions** from 5:45-6:45 pm.

The **Opening Session** will be from 7:00-8:30 p.m. **William Penuel**, professor of Educational Psychology and Learning Sciences at the University of Colorado, Boulder and **Catherine Martin**, Director of Mathematics and Science at Denver Public Schools will give the keynote address entitled, *Design-Based Implementation Research as a Strategy for Expanding Opportunity to Learn in School Districts*. A **Research Conference Reception** will follow the opening session on Monday evening.

TUESDAY April 14th and WEDNESDAY April 15th

Concurrent Sessions, including interactive paper sessions, discussion sessions, brief research reports and research symposia run from 8:30 a.m. to 6:00 p.m. on Tuesday, April 14th, and from 8:30 a.m. to 4:00 p.m. on Wednesday, April 15th.

Meeting Place Sessions at the NCTM Research Conference

In response to feedback from last year's attendees, the 2015 Research Conference program will include 3 sessions called **Meeting Places**. These will be time slots (and designated rooms) for researchers to gather to discuss shared research interests. The aim is to provide opportunities for researchers to share or generate ideas, network, and learn from others. Each Meeting Place will have designated topics and will be facilitated by one or two experienced researchers. A list of topics and facilitators follows. More information about these sessions will be available at the Opening Session, and on the conference website.

Student Development of Mathematics

Tuesday, 8:30-9:45 am

Mathematical Teaching Practices

Tuesday, 3:30-4:45 pm

Curriculum

Wednesday, 8:30-9:45 am

The **Plenary Session** will be on Wednesday, April 15th at 10:15 am. This plenary, invited address will be structured as a panel discussion of the NCTM Publication *Principles of Actions: Ensuring Mathematical Success for All*. Four leading educators will participate in the panel: **Deborah Loewenberg Ball**, Dean of the School of Education at the University of Michigan, **Dan Meyer**, Ph.D. Candidate at Stanford University, **Danny Martin**, Department Chair and Professor at the University of Illinois Chicago, and **Steve Leinwand**, Principal Research Analyst at the American Institutes for Research.

The final program for the NCTM Research Conference is also accessible through NCTM's online conference planner at

<http://nctm.confex.com/nctm/2015RP/webprogram/start.html>

Also consider downloading the NCTM Research Conference app. Available now!

<http://nctm.org/CONFAPP>

Registration for the Research Conference is currently available through NCTM's website at <http://www.nctm.org/Conferences-and-Professional-Development/Research-Conference/Registration/>.

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 Kristen Bieda at <kbieda@msu.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.)**

Membership Dues and Contact Information

Remember to 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. All SIG-RME members must also be active members of AERA.

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

Important Dates

2015

April 13-15

NCTM Research Conference in Boston, MA (<http://www.nctm.org>)

April 15-18
NCTM Annual Meeting in Boston, MA (www.nctm.org)

April 16-20
AERA Annual Meeting in Chicago, IL (<http://www.aera.net>)

June 21-26
MES8 (Mathematics Education and Society) Conference at Portland State University
<https://sites.google.com/a/pdx.edu/mes8/>

November 5-8
PMENA-37 Annual Meeting in East Lansing, Michigan (<http://pmena2015.org/>)

2016

January 28-30
AMTE Annual Conference in Irvine, CA (<http://amte.net>)

April 8-12
AERA Annual Meeting in Washington D.C. (<http://www.aera.net>)

April 13-16
NCTM Annual Meeting in San Francisco, CA (<http://www.nctm.org>)