



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

**Winter 2011 Newsletter**

**SIG/RME Executive Board**

**Co-Chairs**

Arthur B. Powell  
Rutgers University  
2009-2011

Jinfa Cai  
University of Delaware  
2010-2012

**Treasurer**

Tonya Gau Bartell  
University of Delaware  
2010-2012

**Communications**

Despina Stylianou  
The City University of New York  
2009-2011

**Electronics**

Indigo Esmonde  
OISE, University of Toronto  
2009-2011

**Awards**

Joanne Lobato  
San Diego State University  
2010 - 2012

**Events**

Jeffrey Shih  
University of Nevada, Las Vegas  
2009-2011

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**SIG/RME Election Results**

*Congratulations to the newly elected officers!*

*Co-chair*

**Eric Knuth**

University of Wisconsin- Madison

*Communications Board Member*

**Mary Foote**

Queens College City University of New York

*Electronics Board Member*

**Dan Battey**

Rutgers, The State University of New Jersey

*Events Board Member*

**Ann Ryu Edwards**

University of Maryland

We appreciate their willingness to serve SIG/RME the next two years. We extend our thanks to outgoing board members Arthur Powell, Indigo Esmonde, Jeffrey Shih, and Despina Stylianou. We also would like to thank all the nominees for this election.

### **Senior Scholar Award**

Edward Silver of the University of Michigan was selected as the recipient of the 2010 SIG/RME Senior Scholar Award. This award is presented in recognition of the research of a single scholar within the field whose programmatic work has been essential in mathematics education. Congratulations, Ed!

The Senior Scholar Award Selection Committee included Pat Wilson (Chair), University of Georgia; Pat Campbell, University of Maryland; Jim Middleton, Arizona State University; Arthur Powell, Rutgers University-Newark; and Alan Schoenfeld, University of California-Berkley. Pat W., Pat C., Jim, Arthur, and Alan, thank you!

SIG/RME Senior Scholar Award is given biannually. Previous two awardees are Les Steffe (2008) and Alan Schoenfeld (2008).

### **Early Career Publication Award**

Gabriel Stylianides was selected as the recipient of the Early Career Publication Award for his 2009 publication, *Reasoning-and-Proving in Mathematics Textbooks*, which was published in *Mathematical Thinking and Learning*. Congratulations Gabriel.

This is an annual award that recognizes outstanding mathematics education research published by individuals within five years of receiving their doctoral degrees.

### **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 of the American Educational Research Association.

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 strengthens the links between research and practice in the Council's ongoing work. It will be held in Indianapolis, Indiana, April 11-13, 2011.

**Opening session** is Monday, April 11<sup>th</sup> at 7pm. Magdalene Lampert will be the speaker for the opening session. There will be **concurrent sessions** from 8:30am to 6:00pm on Tuesday, April 20<sup>st</sup>, and from 8:30am to 4:45pm on Wednesday, April 21<sup>st</sup>.

A **plenary session** on Wednesday morning, April 22, will highlight the theme of Professional Learning. Paul Cobb 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. These sessions will focus on the interface between practice and research.

### **AERA Annual Meeting**

The 2011 AERA Annual Meeting will be held Friday, April 8<sup>th</sup>, through Tuesday, April 12<sup>th</sup>, in New Orleans, Louisiana. The theme is *Inciting the Social Imagination: Education Research for the Public Good*.

There were 142 proposals submitted to SIG/RME and 77 were accepted for presentation. Hence, SIG/RME received an allocation of 10 sessions for papers or symposia, and 36 individual paper presentations in roundtable or poster format. At the meeting, we will have 5 symposia, 5 related-paper sessions (90 minutes) with 4-5 papers in each, and 6 roundtable sessions with the following themes: Mathematics Education and Equity, Culturally Relevant Mathematics Education, Comparative Studies, Teacher Knowledge, Curricular Effects on Mathematics Learning and Teaching, and Student Learning. We will also have our annual business meeting.

### **SIG/RME Schedule**

#### ***SIG/RME Business Meeting and Reception***

Time: Sat, Apr 9 - 6:15pm - 7:45pm

Place: New Orleans Marriott, Preservation Hall Studio 9

Chair: Arthur Powell

#### **Sessions:**

##### ***- Culturally Relevant Mathematics Education***

Session Submission type: Paper Session

Time: Sat, Apr 9 - 4:05pm - 6:05pm

Place: New Orleans Marriott, Preservation Hall Studio 6

- *Curricular Effects on Mathematics Learning and Teaching*  
 Session Submission type: Paper Session  
 Time: Mon, Apr 11 - 4:05pm - 5:35pm  
 Place: New Orleans Marriott, Mardi Gras Salon A
  
- *Diagram, Gesture, and Agency: Theorizing Embodiment in the Mathematics Classroom*  
 Session Submission type: Symposium  
 Time: Fri, Apr 8 - 12:00pm - 1:30pm  
 Place: New Orleans Marriott, La Galerie 6
  
- *Extending, Expanding, and Applying the Construct of Mathematical Knowledge for Teaching*  
 Session Submission type: Symposium  
 Time: Tue, Apr 12 - 12:25pm - 1:55pm  
 Place: New Orleans Marriott, Preservation Hall Studio 9
  
- *Mathematics Education and Equity*  
 Session Submission type: Paper Session  
 Time: Sat, Apr 9 – 8:15am – 10:15am  
 Place: New Orleans Marriott, Preservation Hall Studio 6
  
- *Rethinking STEM Content, Access, and Agency for Broad Participation: A Designer/Practitioner Dialogue*  
 Session Submission type: Symposium  
 Time: Tue, Apr 12 - 12:25pm - 1:55pm  
 Place: New Orleans Marriott, Mardi Gras Salon A
  
- *Science Content Versus Mathematical Structures in the Elementary Grades*  
 Session Submission type: Symposium  
 Time: Tue, Apr 12 – 8:15am – 10:15am  
 Place: New Orleans Marriott, Preservation Hall Studio 6
  
- *SIG/Research in Mathematics Education Poster Session 1*  
 Session Submission type: Poster Session  
 Time: Sun, Apr 10 - 10:35am - 12:05pm  
 Place: Sheraton, Grand Ballroom C
  
- *SIG/Research in Mathematics Education Roundtable 1: Students*  
 Session Submission type: Roundtable Session  
 Time: Fri, Apr 8 - 2:15pm - 3:45pm  
 Place: Sheraton, Grand Ballroom D

- *SIG/Research in Mathematics Education Roundtable 2: Teachers*  
 Session Submission type: Paper Session  
 Time: Sun, Apr 10 - 12:25pm - 1:55pm  
 Place: New Orleans Marriott, Preservation Hall Studio 2
  
- *SIG/Research in Mathematics Education Roundtable 3: Understanding*  
 Session Submission type: Roundtable Session  
 Time: Mon, Apr 11 - 8:15am - 9:45am  
 Place: Sheraton, Grand Ballroom E
  
- *SIG/Research in Mathematics Education Roundtable 4: Learning*  
 Session Submission type: Roundtable Session  
 Time: Mon, Apr 11 - 2:15pm - 3:45pm  
 Place: Sheraton, Grand Ballroom A
  
- *SIG/Research in Mathematics Education Roundtable 5: Teacher Education*  
 Session Submission type: Roundtable Session  
 Time: Tue, Apr 12 - 10:35am - 12:05pm  
 Place: Sheraton, Grand Ballroom A
  
- *Student Mathematical Knowledge*  
 Session Submission type: Paper Session  
 Time: Sun, Apr 10 - 2:15pm - 3:45pm  
 Place: New Orleans Marriott, Preservation Hall Studio 6
  
- *Teacher Mathematical and Pedagogical Knowledge*  
 Session Submission type: Paper Session  
 Time: Mon, Apr 11 - 10:35am - 12:05pm  
 Place: New Orleans Marriott, Preservation Hall Studio 9
  
- *Understanding Variations in Teachers' Implementations of Curricula*  
 Session Submission type: Symposium  
 Time: Sun, Apr 10 - 10:35am - 12:05pm  
 Place: New Orleans Marriott, Preservation Hall Studio 9
  
- *Using Argumentation to Investigate Aspects of Teaching Geometry*  
 Session Submission type: Symposium  
 Time: Fri, Apr 8 - 4:05pm - 5:35pm  
 Place: New Orleans Marriott, Preservation Hall Studio 2

## **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. The Annual Membership Directory can also be accessed through the website. (The user ID is **math**, and the password is **sigrme**.)

If you have any information you think should be posted on the SIG/RME website, please contact Indigo Esmonde at [indigo.esmonde@utoronto.ca](mailto:indigo.esmonde@utoronto.ca).

A new SIG/RME Annual Membership Directory is now 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.

## **MEMBERSHIP DUES & 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.