



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

Summer 2008 Newsletter

SIG/RME Executive Board

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2007-2009

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Events

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What's Inside

Call for Officer Nominations	p. 2
Membership dues and contact information	p. 2
Call for Early Career Publication Nominations	p. 3
Call for AERA Proposals	p. 4
Call for AERA proposal reviewers	p. 4
NCTM Pre-Session Call for Proposals	p. 5
Important Dates	p. 7
Minutes of Annual Meeting	p. 8
TODOS award to Miriam Leiva	p. 12
Knowles Young Scholars Fellowship Information	p. 13
Officer Nomination Form	p. 15

Call for Officer Nominations

Nominations are being sought for the SIG/RME Executive Board positions of Co-Chair, Events, Communications, and Electronics Board Member for terms to run from April 2009 – April 2011. A nomination form is included at the end of this newsletter, or you may e-mail your nomination to Gwen Lloyd at Lloyd@vt.edu by **September 15, 2008**. Self-nominations are also encouraged. The by-laws require that we have two candidates for each office. The duties of officers are posted on the SIG/RME web site.

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 2008 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 Gwen Lloyd at lloyd@vt.edu.

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. (Download the form at http://www.aera.net/uploadedFiles/Membership_Info/MembershipForm.pdf.) This way, your SIG/RME dues are processed by AERA, and your membership dates are always the same.

If you wish to be only a member of SIG/RME and not AERA, download the membership form from the SIG/RME web site, and send it to Amanda Jansen with your dues. If you are currently a member of SIG/RME but not AERA and are unsure of your membership expiration date, please contact Amanda Jansen at jansen@udel.edu.

It is important to note that slots on the AERA Annual Meeting program are allocated to our SIG based in part on the number of people who are members of both SIG/RME and AERA. Therefore, we strongly encourage you to be a member of both organizations.

If your mailing address or other contact information is incorrect, please use the form at the end of this newsletter to send corrections to Amanda Jansen jansen@udel.edu.

Call for Early Career Publication Award Nominations

In 2001, the Special Interest Group for Research in Mathematics Education established the "SIG/RME Early Career Publication Award". The first award was presented in 2002. The most recent award was presented to Dr. Amy Ellis.

The purpose of the Early Career Publication Award is to recognize an outstanding mathematics education research publication by an individual within six years of receiving her/his doctoral degree. The award includes a stipend of \$500, announcement in the SIG/RME newsletter and on the SIG/RME website and recognition at the annual NCTM Research Pre-session.

The publication being nominated for the SIG/RME Early Career Publication Award may be based on the dissertation work of the nominee or other recent research the nominee has conducted. The nominee should be either the single author or the first author (in the case of a jointly authored publication). Note that only a peer-reviewed research publication is eligible for nomination; the award will not be given for a dissertation. The nominee should have received her/his doctoral degree in mathematics education no more than 6 years prior to the nomination deadline (e.g., no earlier than September 2002 for this year's nominations).

Nominations should include (and are restricted to) the following items:

1. A letter nominating the author of an early career publication. Please include the name of the author, the date he/she received the doctoral degree, and the name of the institution that conferred the degree. The nominator should also include reasons that the paper should be considered as an example of an outstanding mathematics education research publication.

If the publication is based on the author's dissertation, please include the name of the dissertation director and complete bibliographic information about the dissertation (including the dissertation abstract's number). (Self nominations will be accepted.)

2. A copy of the paper, including complete bibliographic information.
3. A copy of the Table of Contents of the journal or other peer-reviewed research publication in which the paper appeared.

Nominations will be considered by a committee consisting of the Steering Committee members and the Electronic Communications Secretary of the SIG/RME Executive Board. The decisions of that committee will be final. Please send nomination materials **no later than January 15, 2009** to Corey Drake. **Electronic submissions to cdrake@iastate.edu are preferred.** Alternatively, you may submit **two copies** of the above items to:

Corey Drake
cdrake@iastate.edu
Iowa State University
Department of Curriculum and Instruction
E115 Lagomarcino Hall
Ames, IA 50011

Call for AERA Proposals

The 2009 AERA Annual Meeting will be held Monday, April 13, through Friday, April 17, in San Diego. The theme is *Disciplined Inquiry: Education Research in the Circle of Knowledge*.

AERA's electronic Annual Meeting management system, *All Academic Convention*[™], supports web-based electronic proposal submission, peer review, proposal evaluation, session creation, scheduling, and program generation for the AERA Annual Meeting. After you submit, you can check the result to ensure that it is as you intended. However, you may not be able to view your submission until 48 hours after you submit. WE HIGHLY RECOMMEND THAT YOU SUBMIT YOUR PROPOSAL EARLY AND THAT YOU TAKE ADVANTAGE OF THE FEATURE THAT ENABLES YOU TO VIEW YOUR SUBMISSION. Some who have previously submitted did not realize their submissions had not been appropriately received, and the co-chair has no way to recognize this situation.

Through AERA's Online Proposal Submission system, staggered opening and closing submission dates have been instituted. The opening date for all proposals is June 1, 2008. Please visit the URL http://www.aera.net/meetings/Default.aspx?menu_id=386&id=5316 for details. (You can also download the proposal requirements from this URL.)

All proposals must be submitted electronically by 11:59 p.m. (Pacific Standard Time) August 1, 2008.

Proposals submitted by fax, mail, and e-mail will **NOT** be accepted.

- If you submit a proposal through SIG/RME, please indicate whether another SIG or Division could co-sponsor it.
- If you are a member of SIG/RME and are willing to serve as a reviewer for AERA proposals, please use AERA's website to sign up as a reviewer for the SIG.
- If you are willing to serve as a chair or discussant for AERA sessions sponsored by SIG RME, please use AERA's website to sign up as a Chair/Discussant for the SIG.

Call for AERA Proposal Reviewers

SIG/RME needs volunteers to review AERA proposals submitted to the SIG. Please volunteer by signing up before August 1:

- a) If you are an AERA member, you can do this on-line at www.aera.net. You will need to login as a member and then go to the page for the 2009 meeting.
- b) If you are not an AERA member, please join AERA and SIG/RME so that you can become a reviewer, discussant or chair for AERA.

**Call for Proposals for
NCTM Research Pre-Session in Washington, DC
April 20-22, 2009**
<http://www.nctm.org/researchpreession.aspx>

The Research Preession 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 Preession 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 Preession 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 Preession 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.

The **opening session** is Monday, April 20th at 7pm. There will be **concurrent sessions** from 8:30am to 6:00pm on Tuesday, April 21st, and from 8:30am to 4:45pm on Wednesday, April 22nd.

A **plenary session** on Wednesday morning, April 22, will highlight the theme, Linking Research and Practice. Sessions including individual papers, research symposia, and work sessions will be 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.

Proposals will be accepted starting June 13, 2008 until August 1, 2008. Information about proposals can be found at <http://www.nctm.org/researchpreession.aspx>.

Session Types

Individual Papers

(30-minute session, including 10 minutes for audience discussion)

Individual paper sessions offer the opportunity to present findings from a completed single study. The proposal should include a description of the conceptual or theoretical perspective, the research question(s) and design, data collection techniques and analyses, and a summary of findings.

Poster Session

(1 hour and 15-minute session)

Poster sessions are designed to encourage the exchange of ideas. They combine the visual

display of materials with the opportunity for informal discussion. The available space for posting is 4' x 6'. Poster sessions reporting on research in progress are particularly encouraged. Presenters need to be present with their posters at the time listed in the program.

Research Symposium

(90-minute session, including 30 minutes for audience discussion)

Research symposiums can be presented in two different formats:

1. Several presentations focusing on the same issue from different perspectives or research orientations. Speakers should be chosen to reflect conflicting or complementary points of view. Each speaker should provide information on how their research “sub-communities” currently are thinking about or addressing the issue.
2. One substantive presentation on a major theme (an accompanying prepared paper would be appropriate) with two or three prepared critiques/responses. The primary presentation should report on a program of research or a particular view of a research issue, but not a single research study.

The presenters should exchange outlines of their papers in advance so that differences and similarities in the presentations can be stressed. A symposium is to be more than a collection of loosely related papers that deal with similar topics.

To increase audience participation and interactivity of the conference, for each proposal, the submission must include a set of five central questions that will be used to focus the audience participation portion of the session.

Work Session

(90-minute session, including 30 minutes for audience discussion)

Work sessions are designed to allow for sustained interactions around one topic for both attendees and organizers. They may be on a topic gaining increased interest, to which significant resources are being committed, and for which sufficient conceptualization is lacking, or they may address a topic of more established interest.

To increase audience participation and interactivity, for each proposal, the submission must include a set of five central questions that will be used to focus the audience participation portion of the session.

NOTE: Only electronic submissions will be accepted.

Important Dates

2008

- June 1 AERA Online Proposal Submission System **will begin accepting** all proposals. Please check the AERA website at (http://www.aera.net/meetings/Default.aspx?menu_id=386&id=5316).
- June 13 NCTM Online Proposal Submission System **will begin accepting** proposals for the 2009 NCTM Research Pre-Session. Go to www.nctm.org and click on Conferences.
- July 6 – 13 ICMI 11 at Monterrey, Mexico (<http://icme11.org/>)
- July 17-21 PME International meeting at Morelia, Mexico (<http://www.pme32-na30.org.mx/annou.htm>)
- August 1 Deadline for NCTM Research Pre-Session proposals. Go to <http://www.nctm.org/researchpresession.aspx> for further information.
- August 1 **Closing date** for all AERA Divisions, Committees, and SIGS (11:59 PM Pacific Standard Time). See http://www.aera.net/meetings/Default.aspx?menu_id=386&id=5316 .
No late submissions will be accepted.
- September 15 Nominations for SIG/RME officers due to Gwen Lloyd at Lloyd@vt.edu.

2009

- January 15 Nominations for SIG/RME Early Career Publication Award due to Corey Drake at cdrake@iastate.edu .
- February 5 - 7 Association of Mathematics Teacher Educators (AMTE) Annual Meeting in Orlando, FL (http://www.amte.net/conf_index_2009.shtml).
- April 13 - 17 AERA in San Diego (<http://www.aera.net>)
- April 20 - 22 NCTM Research Pre-Session in Washington, DC.
- April 22 - 25 NCTM Annual Meeting in Washington, DC (<http://www.nctm.org>)

**Minutes of the SIG/RME Business Meeting
March 26, 2008
New York, New York**

Handouts

- Agenda for SIG/RME 2008 Business Meeting
- Minutes of SIG/RME 2007 Business Meeting

The meeting was called to order by Treasurer Beth Herbel-Eisenmann.

I. Approval of Minutes from the April 12, 2007 Business Meeting in Chicago, IL

The minutes were approved from the 2007 Business Meeting.

II Election results and thanks to outgoing members

Beth announced the election results and thanked the outgoing members. The new SIG/RME Board members are James Middleton (Junior Co-Chair), Corey Drake (Awards Board Member), and Amanda Jansen (Treasurer). The outgoing SIG/RME Board members are Cathy Brown (Senior Co-Chair), Miriam Sherin (Awards), and Beth Herbel-Eisenmann (Treasurer).

III. Treasurer's Report

Beth Herbel-Eisenmann presented the Treasurer's Report, which appears below.

April 2007 - April 2008

Beginning Balance (04/07)		\$26,271.40	
INCOME			
Contributions		\$55.00	
<u>SIG Memberships</u>		<u>\$6847.90</u>	
(1/1/07 - 2/29/08)		\$6902.90	
	Subtotal		\$33,174.30
EXPENSES			
<i>AERA Annual Meeting</i>			
Hotel (Reception)	\$2,061.53		
<i>Research Preessionion</i>			
Invited Speaker		\$500.00	
Travel expenses		\$1221.07	
<i>Awards</i>			
Advertising		\$1125.00	
Senior Scholar Award		\$500.00	
Sr. Scholar Award (Travel & Exp)		\$1231.93	
<i>Administrative Support</i>		\$0.00	
<u><i>SIG Dues (Management Fee & Website)</i></u>		<u>\$403.49</u>	
	Total Expenses	\$7043.02	
	Ending Balance (02/08)		\$26,131.28
OTHER INCOME			
<i>Fidelity Money Market Account</i> (as of 12/31/07)			\$3,862.24

IV Conference reports

2008 AERA SIG/RME Proposal Submission and Acceptance

2008 AERA/SIG Proposal and Acceptance Information

Proposals Submitted					
	Symposia	Individual paper	Individual poster	Individual Roundtable	Total
Submitted	15	109	23	22	169
Accepted	9*	25	7	2	47
% Accepted	60%	23%	30%	9%	28%

*2 accepted as posters

2008 NCTM Research Preession Proposal Submission and Acceptance

2008 NCTM Research Preession Proposal and Acceptance Information

Proposals Submitted					
	Symposia	Individual paper	Individual poster	Work session	Total
Submitted	40	142	52	32	266
Accepted	33	38	15	22	108
% Accepted	83%	27%	29%	69%	41%

V 2008 SIG/RME MEMBERSHIP

April, 2008 Membership Total is 605

VI Discussion about AERA administrative changes that will affect SIGS

Pat Campbell reported that AERA has a new template for its bylaws – and every SIG will be asked to revise their bylaws then send it to the AERA council and they will make adjustments and send it back to us, then after AERA matches it with their template they will send it back to us for membership to approve.

There are also changes proposed in terms of the number of proposals that will be accepted by each SIG --- The more proposals submitted, the more sessions that SIG will be given (a change from a function of just the number of members in the SIG). AERA will be asking for a lot of people to review – many submissions, and therefore we'll need more reviewers.

Some of the work that needs to be done is that:

- We need some way to define a major/minor sessions
- There is also concern about changes proposed to the review process – from assigned reviewers to small groups reviewing.
- There are also questions of whether grad students are allowed to review, and what is the ratio that will be allowed.
- Only about a month of soliciting opinions about this issue. Pat invites the audience to go to the AERA website to state their opinion.

There are 30 members needed to be a SIG. Word on the street is that the way to get in the AERA program is through the little SIG. They've looked at the Society of Child Development and seen that the quality of sessions has changed because of new and more stringent review procedures. They want to increase quality of sessions, not just the number of sessions.

VII Discussion about SIG/RME Response to National Math Panel Report

David Stinson from Georgia State asked whether our SIG will have a group response to the definition of research --- 'high quality' attached to the word 'research' and only includes experimental or quasi-experimental research. A member suggested that our SIG uses a set of standards set by AERA's notion of quality research

Janine Remillard talked about Frank Lester's response during an AERA session to the Math Panel's report and pointed out that the constructs that they were looking at were mainly 11 studies --- narrowly defining student centered and teacher directed instruction.

Another member suggested that there are different ways of responding to political documents such as this one. One thing to do is to respond expecting others to listen to us. We do need to find out ways of addressing these in ways that capture the public's attention --- becoming relevant – rather than expecting that people will listen to us because we think we're right or because we are relevant. Voice our opinions in a public way --- how can we get more people involved.

Another member suggested that the notion of field borrowing which the report seems to consider as limiting – an argument that needs to be made then is the need to change the discourse so that it is clear that this strengthening us rather than weakening. A member suggests that we could get really creative about how to do PR for us --- we need to be able to think about different ways to --- YouTube video can reach a larger audience in 2 minutes than all of our research combined. A member questioned - Does the SIG have any power to do

anything? A Member recalled ---- the SIG voted to have a letter constructed and then subsequently circulated and approved by the membership ...

The conversation concluded with the attending members agreeing that the SIG needs to create a position statement. Pat Campbell suggested that we need a mechanism for getting input from the membership – it needs to be crafted and then go out to the membership ... Pat suggested that we need to be really clear about what our 3 statements are that we want to make sure to get across. She suggested that this work can be connected to the work we'll have to do with the SIG bylaws.

VIII Adjournment

James Middleton adjourned the meeting.

**TODOS names Miriam Leiva as the 2008 Recipient of
Iris Carl Memorial Leadership and Equity Award**

TODOS – Mathematics for All is a national membership organization of mathematics educators. The mission of *TODOS: Mathematics for ALL* is to advocate for an equitable and high quality mathematics education for all students, in particular Latino/Hispanic students, by increasing the equity awareness of educators and their ability to foster students' mathematical proficiency in rigorous and coherent mathematics.

The **Iris Carl Memorial Leadership and Equity Award** was established by TODOS in 2005 to recognize an individual who has made significant contributions to the quality of mathematics education provided to underserved students, in particular to Latino/Hispanic students. The award, presented annually, is named in honor of Iris Carl, a former president of the National Council of Teachers of Mathematics and the National Council of Supervisors of Mathematics, who was inspiring, challenging, and resolute throughout her career in championing the cause of excellence and equity in mathematics education.

The 2008 recipient of the Iris Carl Memorial Leadership and Equity Award is Miriam Leiva.

Citation for Miriam Leiva

Leiva is past president and founder of TODOS. Under her leadership, the organization has increased in membership and influence and has served as an advocate for improved mathematics instruction for all students. In Leiva's five years with TODOS, the organization has risen to prominence in mathematics education throughout the United States, as well as internationally.

One nominator wrote of Leiva, "We should honor her lifelong contributions to the improvement of teaching and learning of mathematics, her passionate advocacy work on behalf of minority students, and the far-reaching vision that resulted in the creation of TODOS."

With over 40 years of professional experience as a teacher of mathematics, Leiva has reached students at all levels, kindergarten through university. Her career in education began in North Carolina classrooms, and includes 35 years in the mathematics department at the University of North Carolina–Charlotte, where she is the Bonnie E. Cone Distinguished Professor for Teaching Emeritus. According to the Mathematical Association of America, Leiva is the first Hispanic-American woman for whom English is a second language to earn a doctorate in mathematics and mathematics education in the United States.

On the national level, Leiva was director of teacher preparation in science and mathematics at the National Science Foundation and a member of the U.S. National Commission on Mathematics Instruction. She is also recognized as a researcher and an author of books for teachers and K–12 textbooks.

Research Fellowship in High School Science and Mathematics Teacher Education

The Janet H. and C. Harry Knowles Foundation was established in 1999 to increase the quality of high school science and mathematics teaching in United States schools. The Knowles Science Teaching Foundation (KSTF) supports individuals and programs designed to encourage and sustain young scientists and mathematicians as they dedicate their lives to teaching and to becoming leaders in the field of education.

The KSTF Young Scholars Fellowship Program was established in 2005 to support early career scholars engaged in critical research relevant to the recruitment, preparation, induction, mentoring and retention of high school science and/or mathematics teachers.

Award

- The amount of \$110,000, to be distributed over two years, will be awarded to up to four scholars in 2009.
- This is a non-residential fellowship. No part of the award may be used for indirect or overhead costs.
- Scholars may conduct their research at their home institution or at another research site that they have arranged. During their fellowship tenure, Fellows will be required to attend and present their research at the KSTF Conference and/or professional development meetings of the Knowles Science Teaching Fellows.
- KSTF will provide additional travel funds for Young Scholars to attend these meetings.

Eligibility

- Applicants must have received their Ph.D., Ed.D., or equivalent research degree by the start date of the award (July 1, 2009).
- Applicants from universities and colleges may not be tenured before the start of the fellowship (July 1, 2009.) Applicants from other research institutions should typically be within 6 years of having been awarded their final degree.
- Applications must be made by the individual applying for the fellowship. Group applications will not be accepted.
- The proposed project must be a research project.

Stipulations

- Fellows must present an acknowledgement of the project from their Dean or Department Chair/Head for prior to the release of the initial payment of funds.
- Fellows must receive approval from the dean or Department Chair/Head for their project from a human subjects review board prior to the release of the initial payment of funds.
- Fellows must provide progress reports to KSTF prior to the release of subsequent payments of fellowship funds.

Pre-proposal

- As a pre-proposal, a letter of intent of 1000 words is required as a prerequisite to submitting a full proposal.
- Pre-proposals are due June 30, 2008. Pre-proposals must be submitted online at <http://fms.kstf.org/> .
- Feedback will be provided about September, 2008.

Proposal

The application deadline for full proposals is December 1, 2008. Applications must be submitted online at <http://fms.kstf.org/> and all letters of recommendation must be received by 5:00 p.m. EST on December 1, 2008. Additional information and application instructions may be found at http://kstf.org/research_fellowships/rf_application_info.php.

Information about KSTF and its programs can be found on the web at www.kstf.org. Questions or comments regarding the Young Scholars Fellowship Program should be addressed to Angelo Collins at 856-608-0001 or scholars@kstf.org.

Call for Officer Nominations!!!

Please indicate your nominations for the following offices. Your nominees must be members of SIG/RME. Please note that officers may not serve consecutive terms. Current officers are listed on p. 1 of this newsletter. It is not necessary to secure an individual's permission before making a nomination as the Steering Committee members will confirm that nominees are willing to run for election.

Co-Chairperson: _____

Events Board Member: _____

Electronics Board Member: _____

Communications Board Member: _____

Send your nominations to Gwen Lloyd by e-mail or post by **September 15, 2008**.

Gwen Lloyd
Department of Mathematics
Virginia Tech
Blacksburg, VA 24061-0123
Lloyd@vt.edu

Address Correction Requested!

If any of your contact information has changed since the last SIG/RME directory (e-mail address, phone number, etc.), please provide corrected information to Amanda Jansen. You may email her at jansen@udel.edu, or mail the completed form below to her.

Please update my information!

Name _____

Institution _____

Mailing Address _____

Phone Number _____ Fax Number _____

e-mail Address _____ AERA Member Number _____

(This information will assist us with keeping our membership records accurate and up-to-date with AERA.)

Amanda Jansen
105A Willard Hall
School of Education
University of Delaware
Newark, DE 19716
email: jansen@udel.edu

