



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

Summer 2009 Newsletter

SIG/RME Executive Board

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2008-2010

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UNLV
2009-2011

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SIG/RME 2009 Invited Address and Senior Scholar Award

Alan Schoenfeld of the University of California Berkeley was selected as the recipient of the second SIG/RME Senior Scholar Award in 2009. 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. Dr. Schoenfeld also gave the 2009 SIG/RME Invited Address at the Annual Meeting of AERA with the title "Confessions of an Accidental Theorist". Visit www.sigrme.org/SeniorScholarPhotos2009.html to see pictures of the event.

Call for Officer Nominations

Nominations are being sought for the SIG/RME Executive Board positions of Co-Chair, Treasurer and Awards Board Member for terms to run from April 2010 – April 2012. A nomination form is included at the end of this newsletter, or you may e-mail your nomination to Indigo Esmonde at iesmonde@oise.utoronto.ca by **September 15, 2009**. 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.

Call for AERA Proposals

The 2010 AERA Annual Meeting will be held Friday, April 30, through Tuesday, May 4, in Denver, Colorado. The theme is *Understanding Complex Ecologies in a Changing World*.

All proposals must be submitted electronically by 11:59 p.m. (Pacific Standard Time) July 15, 2009. Please note the change in submission closing date.

It is important to note that the number of slots allocated to Special Interest Groups (SIGs) is now based on the proportion of the number of proposals submitted. The more proposals are submitted to our SIG, the more slots will be available for faculty and graduate students to present their work. Therefore, we strongly encourage you to submit proposals.

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 was June 1, 2009. Please visit the URL <http://www.aera.net/meetings/Default.aspx?id=386&id=5316> for details. (You can also download the proposal requirements from this URL.)

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 July 15:

- 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 2010 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 San Diego, CA April 19-21, 2010

<http://www.nctm.org/researchpresession.aspx>

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.

The **opening session** is Monday, April 19th at 7pm. There will be **concurrent sessions** from 8:30am to 6:00pm on Tuesday, April 20st, and from 8:30am to 4:45pm on Wednesday, April 21st.

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 early in June 2009, until August 3, 2009 (11:59 PM PST). Information about proposals can be found at <http://www.nctm.org/researchpresession.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.

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 2009 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 iesmonde@oise.utoronto.ca.

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.

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 use the form at the end of this newsletter to send corrections to Amanda Jansen jansen@udel.edu.

Call for Senior Scholar Award Nominations

The Special Interest Group for Research in Mathematics Education (SIG/RME) of AERA invites nominations for the Senior Scholar Award, to be presented at AERA 2011. This award recognizes and celebrates the programmatic research of a senior scholar within the field of mathematics education. The SIG/RME will present the award to an individual who is active in mathematics education research at the time the award is granted and who is nominated by members of the community as an exemplar in regard to the following two basic criteria. The nominee has

- designed and carried out programmatic research that has been grounded empirically and has contributed to the theoretical development of the field;

- developed the research capacity of the field, as attested to by the existence of a “school of thought” or intellectual heritage whose constructs and results are used regularly by others.

One or more of the following criteria can strengthen the nomination. The nominee has also made

- major contributions to the broader field of educational research,
- a major impact to the practice of mathematics education at large.

Scholars worldwide can be nominated for this award and membership in AERA or SIG/RME is not required of the nominees. Self nominations are not accepted.

Nominations must include the following.

A letter of nomination e-mailed to the senior steering committee member proposing the name of the nominee and describing the grounds on which the nominee meets the requirements for the award. Three criteria should be addressed in the letter:

1. A brief (no more than 250-word) description of the program of research carried out by the nominee;
2. A current copy of the nominee’s CV (including a list of significant publications representing the contributions described) and;
3. A list of scholars who have been significantly affected by the work of the nominee. The list of scholars may include, but need not be limited to, doctoral students who worked with the nominee. Include current contact information for the list of scholars.

The nomination packet, which must be received by **February 6, 2010**, should be sent to:

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

An awards committee composed of the past senior co-chair, a retired scholar in mathematics education, the previous award winner, and two active members of SIG/RME will decide on the award. The current senior co-chair is an ex-officio member of the Senior Scholar Selections Committee. The awardee will be expected to deliver the SIG/RME invited address at AERA 2011.

More information on the award, criteria and nomination procedures can be found at the SIG/RME’s website: <http://www.SIG/RME.org>.

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. Amanda Jansen.

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 2003 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, 2010** 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

Important Dates

2009

- June 1 AERA Online Proposal Submission System **will begin accepting** all proposals. Please check the AERA website at (<http://www.aera.net>).
- June 13 NCTM Online Proposal Submission System **will begin accepting** proposals for the 2010 NCTM Research Pre-Session. Go to www.nctm.org and click on Conferences.
- July 15 **Closing date** for all AERA Divisions, Committees, and SIGS (11:59 PM Pacific Standard Time).
No late submissions will be accepted.
- August 3 Deadline for NCTM Research Pre-Session proposals. Go to <http://www.nctm.org/researchpresession.aspx> for further information.
- September 15 Nominations for SIG/RME officers due to Indigo Esmonde at iesmonde@oise.utoronto.ca.

2010

- January 15 Nominations for SIG/RME Early Career Publication Award due to Corey Drake at cdrake@iastate.edu .
- January 28-30 Association of Mathematics Teacher Educators (AMTE) Annual Meeting in Irvine, CA (http://www.amte.net/conf_index_2010.shtml).
- February 6 Nominations for SIG/RME Senior Scholar Award due to Corey Drake at cdrake@iastate.edu
- April 19 - 21 NCTM Research Pre-Session in San Diego, CA.
- April 21 - 24 NCTM Annual Meeting in San Diego, CA (<http://www.nctm.org>)
- April 30 – May 4 AERA in Denver, Colorado (<http://www.aera.net>)

**Minutes of the SIG/RME Business Meeting
San Diego, California**

Handouts

- Agenda for SIG/RME 2009 Business Meeting
- Minutes of SIG/RME 2008 Business Meeting

I. Approval of Minutes from the April, 2008 Business Meeting in New York.

The minutes were approved from the 2008 Business Meeting.

II Election results and thanks to outgoing members

The election results were announced: The new SIG/RME Board members are Arthur Powell (Junior Co-Chair), Jeffrey Shih (Events Board Member), Indigo Esmonde (Electronics Board Member), and Despina Stylianou (Communications Board Member). The outgoing SIG/RME Board members are Pat Campbell (Senior Co-Chair), Gwen Lloyd (Electronics Board Member), Sandra Crespo (Events Board Member), and Jeffrey Choppin (Communications Board Member). SIG/RME is grateful for the service the outgoing members provided.

III. Treasurer's Report

Amanda Jansen presented the Treasurer's Report, which appears below.

April 2008 - April 2009

Beginning Balance (04/08)		\$26,131.28
INCOME		
SIG Memberships (through 3/31/09)		\$7,687.94
		<u>\$7,687.94</u>
	Subtotal	\$33,819.12
EXPENSES		
<i>AERA Annual Meeting (2008)</i>		
Hotel (Reception)		\$2,465.20
<i>Awards</i>		
Advertising		\$380.00
Early Career Publication Award Stipend		\$500.00
Early Career Publication Award Plaque		\$53.58
<i>Administrative Fees</i>		
Website domain name		\$95.76
<i>SIG Dues</i>		
<i>Management Fee to AERA</i>		<u>\$300.00</u>
	Total Expenses	\$3,794.54
	Ending Balance (02/08)	\$30,024.68

IV Conference reports

2009 AERA SIG/RME Proposal Submission and Acceptance Presented by Pat Campbell

2009 AERA/SIG Proposal and Acceptance Information

Proposals Submitted					
	Symposia	Individual paper	Individual poster	Work Sessions	Total
Submitted	58	149	71	28	306
Accepted	39	42	46	15	142
% Accepted	67%	28%	65%	54%	46%

V 2009 SIG/RME MEMBERSHIP

April, 2009 Membership Total is 552

VI Discussion on the financial report

Amanda Jansen presented the financial report, noting that membership numbers are down from last year. Mandy highlighted the importance of recruiting new members. An audience member raised the question about the balance and whether this is too large for a non-profit organization. The ending balance is \$30,024. Pat Campbell explained that the money sits within AERA and that if this were a problem we would know by now. However, this is something that should be followed up, just in case. Projected over time, however, we will end up spending a lot of that money.

Motion for acceptance of financial report was made and second by another member. The financial report was approved by the membership.

VII Discussion on AERA structure changes

Jim Middleton and Pat Campbell announced and discussed the changes that are becoming effective this July within the structure of AERA that affects how the SIG operates. Examples of these changes include the following:

- the titles of the officers of the SIG have to be consistent across SIGs,
- SIG bylaws have to be formatted using the AERA template,
- proposal submissions will have a mid July deadline (rather than August 1st and 2nd).

A discussion ensued about whether these changes are a disservice to the SIG especially to this one because this is the largest SIG within AERA (even as our membership has decreased slightly). Pat also pointed out that there are some important changes to the bylaws. Jim commented that the bylaws' changes penalize SIGs in favor of Divisions. Maybe we need to

make a bid for becoming a Division. The new rules make it more restrictive for the SIGs to participate in AERA. Pat reminded us that it is a benefit to be associated with AERA.

VII Discussion of the SIG/RME proposal submissions and review process

Pat Campbell presented the report of the SIG/RME proposal submissions as shown in the table above and discussed the review process. Each proposal was reviewed by 3 individual reviewers, at least two of whom are permanent faculty persons. In terms of the ratings of the proposals, there was a cluster of sessions with high ratings and then there was a big gap between those who were accepted and those who were rejected.

A member asked about whether there were any co-sponsored sessions. Pat Campbell responded there were no co-sponsor sessions as this is not simple to be done now. Another member asked a question regarding the number of presentations allocated to this SIG - Q: If this SIG is as large as other divisions, how do we compare in terms of allocations?

Jim Middleton discussed procedures for allocating sessions. One percent of the total number of submissions came from this SIG. One thing we do need to worry about is how do we increase submissions and still keep this manageable for the person that has to look after this? Proposes that quality needs to be raised. If we have the same number of members next year, we are guaranteed 6 sessions. It is contingent then on the number of submissions. Not easy to tell.

Someone in the audience suggests that the membership should then be advised that it is important to apply to present through the SIG rather than Divisions. Jim says it is important for new colleagues to realize that the mindset of review is quite different for divisions than for SIGs. Jim also encourages membership to become a reviewer. Pat also explains that in order to review a paper the member has to be registered as a reviewer in the AERA database.

IX. Awards

Corey Drake reported that the early career publication was awarded to Amanda Jansen (University of Delaware) and will be presented at the NCTM presession.

Pat introduced Alan Schoenfeld as the recipient of the Senior Scholar Award; Pat read the plaque and the awards letter for the members. Alan received the award and thanked the committee. His talk is titled: Confessions of an Accidental Theorist.

X Adjournment

**TODOS names Kay Gilliland as the 2009 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 2009 recipient of the Iris Carl Memorial Leadership and Equity Award is Kay Gilliland. Visit www.todos-math.org for pictures of the award ceremony.

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, 2010).
- Applicants from universities and colleges may not be tenured before the start of the fellowship (July 1, 2010.) 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, 2009. Pre-proposals must be submitted online at <http://fms.kstf.org/>.
- Feedback will be provided about September, 2009.

Proposal

The application deadline for full proposals is December 1, 2009. 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, 2009. 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: _____

Treasurer: _____

Awards Board Member: _____

Send your nominations to Indigo Esmonde by e-mail by **September 15, 2009**.

Indigo Esmonde
iesmonde@oise.utoronto.ca

Address Correction Requested!

If any of your contact information has changed since the last SIG/RME directory (e-mail address, phone number, etc.), please update your information online at <http://www.aera.net> If you log in as member of AERA and update your information, this simultaneously updates your information for SIG-RME.