



**THE 2007 TENTH CONFERENCE ON RESEARCH
IN UNDERGRADUATE MATHEMATICS
EDUCATION – SAN DIEGO, CA., FEBRUARY 22 –
25, 2007**

As part of its on-going activities to foster research in undergraduate mathematics education and the dissemination of such research, the Special Interest Group of the Mathematical Association of America on Research in Undergraduate Mathematics Education (SIGMAA on RUME) presents its tenth Conference on Research in Undergraduate Mathematics Education.

This conference is a forum for researchers in collegiate mathematics education and includes the following themes: Results of current research, contemporary theoretical perspectives and research paradigms, and general issues in the psychology of mathematics education as it pertains to the study of undergraduate mathematics. The program will include plenary addresses, contributed paper sessions, and preliminary paper sessions.

Sessions will begin at 7:00 pm on Thursday, February 22, 2007, and continue through to noon on Sunday, February 25, 2007. The opening plenary will take place on Thursday evening followed by a reception. The deadline for proposals is October 13, 2006. More information on the conference is available at <http://cresmet.asu.edu/crume2006/>

**2006 NINTH CONFERENCE ON RESEARCH IN
UNDERGRADUATE MATHEMATICS EDUCATION –
WINNER OF BEST PAPER AWARD**

In 2006 SIGMAA on RUME initiated an award for the Best Paper presented at the annual conference on research in mathematics education. Winner of the inaugural Best Paper Award was *Natasha Speer*, Michigan State University, for her and her colleagues' research on mathematics graduate students' knowledge of undergraduate students' strategies and

difficulties with the concept of derivative. Honorable mention went to *Margret Hjalmarson*, George Mason University, for her paper on engineering as a bridge for undergraduate and K-12 curriculum. Congratulations to both Natasha and Margret! Abstracts of their winning papers are available at www.rume.org.

**PUBLISH YOUR WORK – RESEARCH IN
COLLEGIATE MATHEMATICS EDUCATION**

Considered one of the top five publications for RUME, the Research in Collegiate Mathematics Education (RCME) volumes are overseen by SIGMAA on RUME and jointly published by The American Mathematical Society and the Mathematical Association of America. Current editors *Fernando Hitt*, *Derek Holton* and *Patrick Thompson* invite authors to submit for consideration their research on understanding, teaching, and learning at the post-secondary level. Articles in RCME are peer-reviewed for two major features: (1) advancing our understanding of collegiate mathematics education, and (2) readability by a wide audience of practicing mathematicians interested in issues affecting their own students. See <http://www.rume.org/rcme/index.html> for more information on publishing in RCME.

**THE ANNIE AND JOHN SELDEN AWARD
(<http://www.maa.org/awards/selden.html>)**

In November 2004, the MAA Board of Governors approved the Mathematical Association of America's Annie and John Selden Prize for Research in Undergraduate Mathematics Education honoring a researcher who has established a significant record of published research in undergraduate mathematics education and who has been in the field at most ten years. The prize is designed to be an encouragement to such researchers and at most one is awarded every other year. The

inaugural award will be presented at MathFest 2006 to *Chris Rasmussen*, San Diego State University.

On behalf of all SIGMAA on RUME members, the SIGMAA on RUME Executive Committee thanks Annie and John for their generosity in establishing this award, for their significant contributions to research, the special role they have played as mentors to young faculty, and their leadership in developing the undergraduate mathematics education research community.

SIGMAA on RUME SPONSORED EVENTS AT MATHFEST 2006, KNOXVILLE, TN

Contributed Paper Session – Several talks on research and practice in the teaching and learning of undergraduate mathematics.

Special Session - Making the Connection Between Research and Teaching in Undergraduate Mathematics: A Sample of chapters from a forthcoming book on research in mathematics education. This special session of invited speakers will discuss two chapters from a forthcoming book edited by *Marilyn Carlson* and *Chris Rasmussen* on research in undergraduate mathematics education, with emphasis on the implications of that research in the teaching of undergraduate mathematics courses. Invited presentations by *Barbara Edwards*, Oregon State University, and *Teri Jo Murphy*, University of Oklahoma. Thursday, August 10, 1:00 pm – 2:20 pm.

SIGMAA ON RUME SPONSORED EVENTS AT THE JOINT MATHEMATICS MEETINGS, 2008, NEW ORLEANS, LA

Contributed Paper Session – Several talks on research and practice in the teaching and learning of undergraduate mathematics.

Special Session - Featured Presentations from the Ninth Conference on Research in Undergraduate Mathematics Education,

sponsored by the SIGMAA on RUME. We have selected three presentations that received widespread acclaim from our most recent conference that we also anticipate will be of widespread interest to participants at the Joint Meetings. The following panel members and their research presentations are:

Michael Oehrtman, Arizona State University, The application of a data analysis technique inspired by quantum mechanics to research on undergraduate mathematics student thinking and learning,

Kyeong Hah Roh, Arizona State University, Calculus and introductory analysis of students' understanding of formal limit definitions and proofs, and

Susan Nickerson, San Diego State University, Shifts in undergraduate students' knowledge and beliefs about mathematical justification and pedagogical factors that impact them.

SIGMAA OFFICER ELECTIONS

This year marks a change in the process for managing elections for SIGMAA on RUME officers. Elections for officers will now be web-based and managed through the MAA office, as Section Governor elections are now managed. Paper ballots will be provided on request only. The SIGMAA on RUME ballot will take place between October 1 through October 31, 2006. More information on the upcoming ballot will be available at www.rume.org and distributed through the SIGMAA on RUME listserv.

IMPORTANT REMINDER

Most SIGMAA on RUME communications are electronic, so please make sure you have supplied an accurate email address to the MAA. You can update your e-mail address on the Combined Membership List at <http://www.ams.org/cml>.