FIRST ANNOUNCEMENT

An International STEM Research Symposium:
Quantitative Reasoning in Mathematics and Science Education

WISDOM^{e} of the University of Wyoming, the NSF Pathways Project, a multiple university Mathematics and Science Partnership (MSP) housed at Colorado State University, and the Georgia Southern University Office of Research invite you to participate in the International STEM Research Symposium to be held in Savannah, Georgia May 31 through June 2, 2012 at the Marriott Savannah Riverfront Hotel. This symposium is a continuation of efforts in WISDOM^{e} to establish an active research collaborative focused on quantitative reasoning. This effort has already spawned a research conference, working sessions at PME and NCTM, and a monograph on QR. The symposium will incorporate four themes: Quantitative Reasoning (QR), Mathematics as a Lived Experience (DIME), Technology in Mathematics Teaching (TTAME), and Learning Progressions (LP). The focus is on QR with discussions in the other three themes framed within QR.

National experts in each of the themes will lead research working groups by providing plenary talks and panel discussions, serving as expert advisors for working groups focused on the current state of research and establishing a future research agenda for the theme, and providing a conference paper to focus discussions on the theme. We are inviting you to join us as a member of a working group, in which you will have the opportunity to share your work and collaborate with other researchers and practitioners in your area of interest. The conference fee is $150, which includes an opening dinner Thursday night, lunch Friday and Saturday, and an opportunity to work with national experts in the four symposium themes. A social program Friday night will provide an opportunity for you to explore historic Savannah and the river district. The Marriott Hotel is on the river in historic Savannah, with rooms at a special conference rate of $158 per night. This is a working symposium so there are a limited number of spaces; reserve yours now.

The three chairs of the symposium lead research and development efforts in the theme areas at the collaborating institutions. Dr. Larry Hatfield leads the WISDOM^{e} Research Collaborative housed at the University of Wyoming, which brings research teams to the symposium in the areas of mathematics as lived experience, technology in teaching mathematics, and quantitative reasoning. Dr. John Moore is PI of the NSF Pathways project which is leading efforts to develop learning progressions in the environmental sciences and exploring the role of quantitative reasoning in environmental science teaching. Dr. Robert Mayes leads the WISDOM^{e} Quantitative Reasoning team and is a Co-PI on the NSF Pathways project leading the Quantitative Reasoning theme. The proposed symposium schedule is attached.

Please acknowledge your intention to attend the International STEM Research Symposium by emailing rmayes@georgiasouthern.edu. We hope that you can join us in beautiful Savannah, Georgia for professional collaboration and some southern hospitality.
More details on the conference will be provided in future announcements.

Symposium Chairs: Robert Mayes, Larry Hatfield, and John Moore

May 31 - Thursday

3:30-5:00 Conference Registration
5:00-6:30 Dinner with Plenary 1: Quantitative Reasoning and Related Themes
6:30-7:30 Expert Panels by Theme
7:30-9:00 Working Groups

June 1- Friday
8:00-9:00 Plenary 2: Act of Quantification
9:00-10:00 Expert Panel on Act of Quantification
10:00-10:30 Break
10:30-12:00 Working Groups
12:00-1:00 Lunch with Plenary 3: Mathematics as a Lived Experience
1:00-2:00 Expert Panel on Mathematics as Lived Experience
2:00-3:00 Working Groups
3:00-3:30 Break
3:30-4:30 Plenary 4: Learning Progressions
4:30-5:30 Expert Panel on Learning Progressions
5:30-6:30 Reception: Research Group Networking
Friday Night Dinner in Savannah on own

June 2 - Saturday
8:00-9:00 Plenary 5: QR Technology and Modeling
9:00-10:00 Expert Panel on QR Technology and Modeling
10:00-10:30 Break
10:30-12:00 Working Groups
12:00-1:00 Lunch & Closing Session: Future Research Agenda