



The Math–Science Connector

113th Annual Convention Reflections



Outstanding!
What an outstanding Family Reunion (AKA as the SSMA Annual Convention) in Jacksonville, FL! As President Park emphasized during the business meeting, we consider SSMA a family and eagerly await the annual convention each year in order to reconnect,...

INSIDE THIS ISSUE:

Review of the 113 th Convention	1
Convention Photos	4
Most Downloaded Article	5
Awards	7
Call for Nominations	8
Call for Awards	9
2015 OKC Convention	10
SSMA General Info	11

By SSMA President Gil Naizer

... learn from and “catch up” with colleagues. Special thanks go out to Greg Chamblee and Adele Hanlon for all their hard work in planning and carrying out the many tasks resulting in a successful convention.

We maintained our emphasis on welcoming new members as over 150 attendees including approximately 40 graduate students and numerous first time attendees participated in over 120



individual sessions, plus syllabus sharing, roundtables & 2 outstanding keynote speakers. The *Building Bridges* theme of the convention was evident in both keynote presentations. St. John’s Riverkeeper, Lisa Rinaman, educated us all on the roles and responsibilities



of a Riverkeeper and how conditions in the St. John’s River have improved through building connections between the public and policy-makers. The focus on Bridge Building continued with Quinton White from the Marine Science Research Institute who entertained the audience with a diverse presentation including data on manatee counts, cheating in fishing tournaments and facts about the St. John’s River.

Another highlight was the presentation of SSMA's highest honor, the George G. Mallinson Award to both Don Balka and Maggie Niess. Don and Maggie have both contributed countless hours to the Association and are certainly deserving of the award. Additionally, we were pleased to award the Outstanding Early Career Award to Sarah Quebec Fuentes from Texas Christian University. Sarah is very deserving of the award that is given to a promising researcher with an exemplary and productive program of research related to science/mathematics education.

Thanks to SSMA Executive Directors Melanie Shores and Tommy Smith, and their assistants for their upfront and behind the scenes efforts in making our convention such an enjoyable event. This being their first convention as Executive Directors, there was a pronounced learning curve, but they were clearly up to the task and carried it off without a hitch.



A very special thanks to Margaret Mohr-Schroeder and her committee for the outstanding effort in publishing our first ever Convention Proceedings. Margaret invested numerous hours in developing the proceedings procedures, leading the peer review process and creating an outstanding publication. Thanks to all members who submitted papers for the proceedings and endured the peer-review process. The 2014 SSMA Convention Proceedings can be found on the SSMA website and are freely available to all.



And what about that reception! Who knew how interesting a mashed potato bar could be until it was self-served in martini glasses!

Potato in a
Martini Glass!



Your SSMA Board of Directors met before and after the convention to deal with organization business. The association is financially sound and we continue to plan for ways to steward the resources and increase membership. Special thanks goes to outgoing President John Park for his excellent leadership during the past two years as president. I am glad to have his continued guidance as he transitions into the role of Past President. I would also like to thank outgoing Directors Lynn Columba and Suzanne Nesmith, and to welcome our newly elected Directors Chuck Emenaker and Elaine Tuft as well as returning Board member Ron Zambo who was appointed to fill Melanie Shore's remaining term. This is an outstanding group of Board members that will maintain the progress of the Association.

I had the opportunity to meet numerous first time attendees with every one mentioning that they were extremely pleased with the convention, commenting on great sessions, friendly attendees and encouragement during their presentations. Several of these first-timers mentioned that SSMA is now on their ‘must attend’ list. I visited with one member who had received a teaching award with the prize being support to attend any national conference of their choice. Guess where they ended up -- at SSMA!!! -- in spite of some co-workers who insistently asked ... wouldn't you rather go to ...?

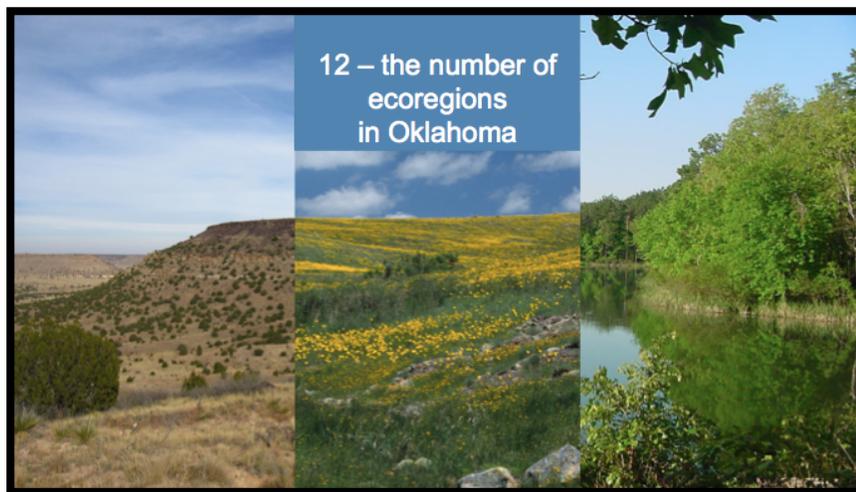
Planning for our 114th Annual Convention (reunion) is well under way. SSMA Directors Stacy Reeder & Tim Laubach will serve as chairs for this event that is scheduled for October 29th – 31st, 2015, in Oklahoma City at the Historical Skirvin Hilton Hotel. The Skirvin is in the Bricktown entertainment district of Oklahoma City and close to numerous restaurants and attractions. Keep an eye on your SSMA email and the SSMA website for further information about speaker proposals, etc.

See you in OKC --- I assure you the convention will be more than just OK!!!

Gil Naizer, SSMA President



Intersecting the Past and the Future of Science and Mathematics Integration



Program co-chairs Stacy Reeder and Timothy Laubach planning for the Oklahoma City Convention. Two **NEW** types of sessions: Hot Topics and Syllabus Share! See page 10 and website for more details!

Jacksonville Convention Photos



Past Presidents!

Congratulations
Most Downloaded Article in 2013!
Jennifer McGee, Chuang Wang, and Drew Polly

Guiding teachers in the use of a standards-based mathematics curriculum: Teacher perceptions and subsequent instructional practices after an intensive professional development program

SCHOOL SCIENCE AND MATHEMATICS

Original Article

Guiding Teachers in the Use of a Standards-Based Mathematics Curriculum: Teacher Perceptions and Subsequent Instructional Practices After an Intensive Professional Development Program

Jennifer R. McGee¹, Chuang Wang²
and Drew Polly²

Article first published online: 15 JAN 2013

DOI: 10.1111/j.1949-8594.2012.00172.x

© 2012 School Science and Mathematics Association

Issue



School Science and Mathematics

Volume 113, Issue 1, pages 16–28, January 2013



Former SSMA President Honored

KENT, OHIO, Sept. 8, 2014 – Dr. William Speer, Director of the University of Nevada Las Vegas Mathematics Learning Center, was selected as the 2014 Distinguished Alumni Award recipient for Kent State University’s College of Education, Health and Human Services Fifth Annual Hall of Fame Awards.

Speer has been a Fulbright Senior Lecturer to the Bahamas, a Fulbright Scholar to England, and a USAID Fellow to Malawi. He is a past president of several professional organizations including the Research Council on Mathematics Learning and the School Science and Mathematics Association. He has served on the Mathematics and Statistics Advisory Committee for the College Board and was a member of the National Council of Teachers of Mathematics Commission that released a landmark publication on professional standards for teaching mathematics.

Speer is the primary author of the textbook *Today’s Mathematics: Concepts, Classrooms Methods and Instructional Activities*. He has been a contributing author on six other major books, and has authored numerous articles in various professional journals. Among other awards, he is the recipient of the Golden Anniversary Distinguished Alumni Award from the College of Liberal Arts and Sciences from Northern Illinois University, the Christofferson-Fawcett Award for Lifetime Achievement in Mathematics Education, and the Mallinson Award for Distinguished Contributions to Mathematics and Science Education.

School Science and Mathematics, the SSMA Journal

Dr. Carla Johnson, Editor, and Dr. Shelly Harkness, Co-Editor, University of Cincinnati
johnsc2@ucmail.uc.edu harkneml@ucmail.uc.edu

Please see an issue of the Journal or visit <http://www.wiley.com/bw/journal.asp?ref=0036-6803> for more information about article submission. The journal's focus is on data-based research manuscripts on K-12 teaching or learning of science or mathematics, or their integration.

Manuscript submissions for *School Science and Mathematics* are now online through the ScholarOne website at <http://mc.manuscriptcentral.com/ssm>. Hard copy submissions are no longer accepted. See the current issue of the journal for information about calls for manuscripts.

The image shows two browser windows side-by-side. The left window displays the Wiley School Science and Mathematics journal website. The right window displays the ScholarOne Manuscripts submission site.

Wiley School Science and Mathematics Website:

- Header: WILEY KNOWLEDGE FOR GENERATIONS
- Navigation: HOME, SUBJECTS, ABOUT WILEY
- Search: Search Keyword, Title, Author, ISBN, ISSN
- Journal Name: SCHOOL SCIENCE & MATHEMATICS
- Edited by: Carla Johnson & Shelly Harkness
- Published on behalf of the School Science and Mathematics Association
- Regular journal sections include: In This Issue, Editorial, Research in Brief, Book Reviews, and Problems.

ScholarOne Manuscripts Submission Site:

- Header: School Science and Mathematics WILEY-BLACKWELL
- Log In: Welcome to the School Science and Mathematics manuscript submission site. To Log In, enter your User ID and Password into the boxes below, then click "Log In".
- Need Assistance?
 - If you are having technical difficulties using this site, please contact ScholarOne Support by clicking on the Get Help Now link at the top right of every page.
 - If you have an editorial query please contact the Journal Editorial Office. Details can be found on the "Instructions & Forms" link above.
- Log In form:

Log In here if you are already a registered user:	<input type="text"/>
User ID:	<input type="text"/>
Password:	<input type="password"/>
	<input type="button" value="Log In"/>
- Password Help: Enter your e-mail address to receive an e-mail with your account information.

E-mail Address:	<input type="text"/>
	<input type="button" value="Go"/>

If you would like to be a Reviewer, please contact the Editors (johnsc2@ucmail.uc.edu or harkneml@ucmail.uc.edu). Reviewers prepare comments, reviews, and recommendations for 1-2 manuscripts a year in their area of specialization. Reviewers are needed in all areas of expertise, especially teacher preparation and professional development.

***Congratulations to
Award Winners
Two winners for
George G. Mallison Distinguished Service***



SSMA President John Park presents to **Maggie Niess**



SSMA President John Park presents to **Don Balka**

Outstanding Early Career



SSMA President John Park presents the award to **Sarah Quebec Fuentes**

Want to serve on the Board or nominate someone to serve?



Nominations for SSMA Board of Directors

To nominate a candidate, a petition of twenty-five (25) signatures can be sent to Stacy Reeder, Chair of the Nomination and Election Committee. Self-nominations are accepted as well.

Please contact:

Stacy Reeder

Instructional Leadership and Academic Curriculum

University of Oklahoma

Norman, OK 73019

reeder@ou.edu

Call for SSMA 2015 Awards

Deadline for submission of nominations: March 15, 2015

The SSMA Awards Committee invites the membership to submit nominees to be considered for the following awards:

- **GEORGE G. MALLINSON DISTINGUISHED SERVICE AWARD**

The award is given to those who have been a member of SSMA for at least ten (10) years and who have shown substantial participation and leadership in SSMA activities such as paper presentations at meetings, committee work, membership work, reviewing for journal, and so forth. Nomination is limited to SSMA members who are nominated by a current member of SSMA.

- **AWARD FOR EXCELLENCE IN INTEGRATING SCIENCE AND MATHEMATICS**

The award is given to a person or group who/which has fostered, promoted, and extended the integration of mathematics/science. The nominee should be a person or group who is active in science/mathematics education and in the development of curricula for the preparation of teachers, educational research, or other activities of significant educational value; thereby showing an impact on science/mathematics education. The competition is open to non-SSMA members but all applicants must be nominated by an SSMA member.

- **SSMA CONNECTIONS AWARD**

The nominee should be a person working in K-12 who has been a leader of an exemplary teaching and learning project that is school-based and focused on connections between science and mathematics.

- **OUTSTANDING EARLY CAREER SCHOLAR AWARD**

The nominee should be a person, within five years of receiving a doctoral degree, with an exemplary and productive program of research related to science and/or mathematics education. The nominee must be an SSMA member in good standing for at least 1 year prior to the submission of an application.

- **SSMA OUTSTANDING DISSERTATION AWARD**

The Award is given for dissertations related to science education, mathematics education, or integrated science and mathematics education. Competition is open to non-members, but all applicants must be nominated by an SSMA member. The nominee's dissertation must have been completed within the last three years.

Criteria details for each award can be found online at <http://www.ssma.org/award-descriptions-and-requirements>. Any member of SSMA is free to nominate a person(s) satisfying the criteria noted above.

Materials for awards are to be sent electronically to
Melanie L Shores (mshores@uab.edu) & the SSMA
office (office@ssma.org) prior to
March 15, 2014.

2015 SSMA Convention

October 29-31, 2015

Oklahoma City, Oklahoma

**Intersecting the Past and the Future of
Science and Mathematics Integration**



Skirvin Hilton Hotel
Oklahoma City, Oklahoma

Call for Speakers

SUBMISSION DEADLINE: February 16, 2015

ACCEPTANCE NOTIFICATION: April 13, 2015

**Proposal submission will be completed electronically and will be available soon through the
SSMA website at:**

www.SSMA.org

*We will host Research Presentations, Regular Sessions, Symposium/Panel sessions,
Interactive/Hands-On Workshops, Roundtables along with several new formats.*

If you have questions about the proposal process or the presentation schedule, please contact:

Stacy Reeder, Conference Chair

Timothy Laubach, Conference Chair

About Our Organization...

**SCHOOL SCIENCE
AND MATHEMATICS
ASSOCIATION**

Department of Human
Studies, School of
Education

The University of Alabama-
Birmingham

1720 2nd Ave S, EB246

Birmingham, AL

35294-1250

(205) 975-8487

E-Mail:

office@ssma.org

We're on the Web!

See us at:

<http://www.ssma.org/>

Contact information for
all SSMA Board Members
and Committee Members
can be found online at
<http://www.ssma.org/>

Membership in the School Science and Mathematics Association is open to any person who supports the objectives of the Association, who has paid membership dues, and completed an application.

Benefits of SSMA Membership include:

- Membership in an association encompassing both science and mathematics teaching and learning.
- 8 issues of the official journal *School Science and Mathematics*.
- 2 issues of the SSMA newsletter *The Math-Science Connector*.
- Opportunities to submit presentation proposals for the Annual Convention.
- Voting privileges for Association business and election of officers.
- Opportunities to serve on an SSMA Committee or Leadership Team.

Additional information about SSMA is available at our website (<http://www.ssma.org>) or by contacting **Melanie Shores and Tommy Utley** (office@ssma.org).

To contribute news items for the SSMA newsletter (*The Math-Science Connector*), please contact **Georgia Cobbs** (georgia.cobbs@umontana.edu).