



The Math–Science Connector

The SSMA Board members on Zoom
for the Leadership meeting

Reflections of the Zoom Spring Board of Directors Meeting

The 119th SSMA Annual Convention is scheduled to occur on November 5 – 7, 2020 at the beautiful Millennium Hotel in Minneapolis, Minnesota. Boasting the Minnehaha Park and Falls, Minneapolis Institute of Art, Paisley Park (Prince’s former home and studio), and a multitude of food and brewery tours, Minneapolis offers a plethora of beautiful experiences. The president’s message in the spring newsletter typically provides an opportunity to share on-site information and photos related to the location for our upcoming convention, yet I am unable to provide any actual photos or experiences in



Minneapolis because the Board of Directors was forced to meet virtually for our Spring Board Meeting due to COVID-19 concerns.

INSIDE THIS ISSUE:

- Spring Board Meeting Report
- Zoom pix of Board
- Save the Date: MSP, MN 2020
- About Membership
- About Journal Readership
- 2020 Convention Information
- Proceedings Info
- Welcome New Board Members
- SSM Journal Information
- Call for Nominations



Although we missed the opportunity to meet face-to-face and view the Millennium Hotel and surrounding areas, our virtual meeting did allow us to meet and discuss important SSMA matters, and much of our discussions surrounded the format for our upcoming convention. All SSMA members are being asked to complete a survey regarding convention scenarios (the survey link will soon be provided via email), and on July 9, the Board of Directors will again meet virtually to review survey data and current

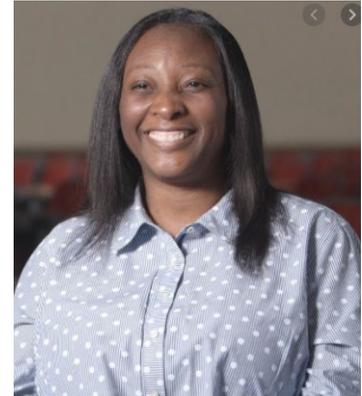
COVID-19 data to make decisions regarding our convention. Information about the convention and registration will be provided on the website by July 13.



With these many convention unknowns, I can tell you with absolute certainty that our 2020 Convention Chair, Christa Jackson, has put together an exciting and diverse program of sessions, events, and keynote speakers.

Additionally, our Executive Directors, Toni Ivey and Stephanie Hathcock, have scheduled meetings with various companies to allow board members to hear about several options for planning and conducting hybrid and fully virtual meetings. Regardless of the convention structure, you won't want to miss a minute of this year's convention experience.

Our long-standing convention components, including the Presidential reception for graduate students and the Awards and Business Meeting, will, of course, continue regardless of convention structure. A new convention component for graduate students, Three-Minute Thesis, will be implemented this year, and the mentoring program for graduate students and first-time attendees will be utilized again this year to assure that new members are quickly and seamlessly brought into the SSMA family.



Christa Jackson
2020 Convention

Convention registration will soon be open, and I look forward to seeing all of you, regardless of whether I am able to see you in person or virtually, at our Minneapolis Convention!

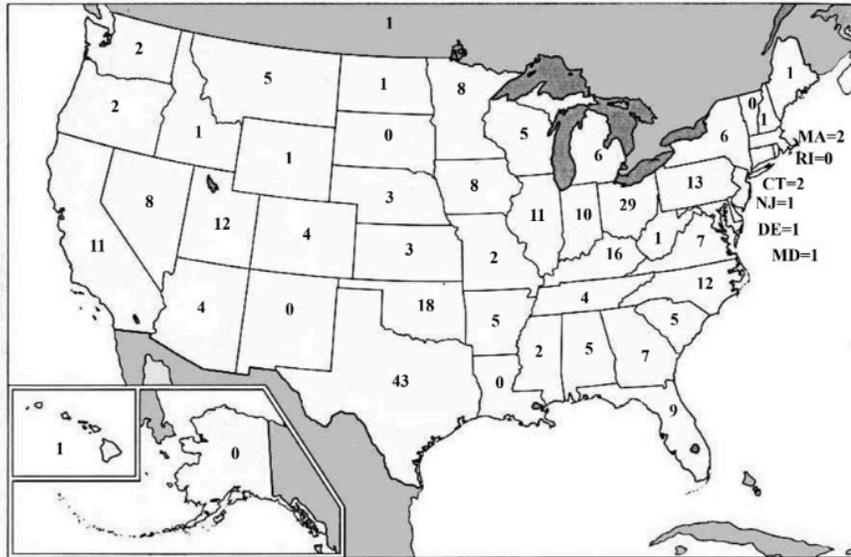
Suzanne Nesmith
SSMA President

**Your Board Members working
on line for the
Spring Board Meeting**



About our Membership:

SSMA Membership Map as of May 2020



Other Countries include: Australia (1), Germany (1), Ghana (0), Israel (1), Jamaica (0), Japan (1), Mexico (1), Philippines (0), Qatar (0), South Korea (0), Taiwan (2), Turkey (0), and Italy (1). US Territory: Puerto Rico (1)

[Member Status]	Active
Member Type by Country	Count of [Member Type]
Emeritus	8
United States	8
International Student	2
United States	2
Lifetime or Lifetime International	67
Canada	1
Germany	1
Israel	1
United States	64
Regular Domestic	166
United States	166
Regular International	3
Australia	1
Japan	1
Mexico	1
Regular Student	36
United States	36
Teacher	29
Canada	1
Italy	1
Puerto Rico	1
Taiwan	2
United States	24
Grand Total	311

Information about our Journal Readership

Readership

Most downloaded articles on Wiley Online Library

Rank	Author(s)	Article Title	Volume	Issue	No. of Accesses
1	Breiner, J. et al.	What Is STEM? A Discussion About Conceptions of STEM in Education and Partnerships	112	1	3,228
2	Zollman, A.	Learning for STEM Literacy: STEM Literacy for Learning	112	1	1,090
3	Salado, A. et al.	Systems thinking and mathematical problem solving	119	1	1,041
4	Quigley, C. et al.	Developing a Conceptual Model of STEAM Teaching Practices	117	0	846
5	Sawada, D. et al.	Measuring Reform Practices in Science and Mathematics Classrooms: The Reformed Teaching Observation Protocol	102	6	762
6	Bursal, M. & Paznokas, L.	Mathematics Anxiety and Preservice Elementary Teachers' Confidence to Teach Mathematics and Science	106	4	719
7	Sunal, D. et al.	Teaching Science in Higher Education: Faculty Professional Development and Barriers to Change	101	5	718
8	Baran, E. et al.	The impact of an out-of-school STEM education program on students' attitudes toward STEM and STEM careers	119	4	704
9	Steele, D.	Using Sociocultural Theory to Teach Mathematics: A Vygotskian Perspective	101	8	686
10	Cook, K. & Bush, S.	Design thinking in integrated STEAM learning: Surveying the landscape and exploring exemplars in elementary grades	118	0	675

This table includes details of the 10 most-downloaded articles of 2019. The average number of downloads per article published in your journal in 2019 was 146.

Top referrers

Rank	Referrer Service	% of Downloads
1	Google Scholar	26.8%
2	Institutions and Library Services	13.9%
3	Google Search	13.8%
4	EBSCO	3.1%
5	EBSCO Discover Service	0.9%

Open search continues to play a key role in driving readership. This table shows the % of total downloads resulting from referrals from each site.

Article downloads via Wiley Content Sharing

In 2019, 102 sharing links were generated via the Wiley Content Sharing service, resulting in 123 full-text downloads. In addition, links shared by authors resulted in 83 downloads. Links shared by media sites generated a further 26 downloads.

**Join us for the 2020 SSMA Convention
November 5-7, 2020**



**Convention Chair
Christa Jackson
(jacksonc@iastate.edu)**

If you have any questions about the proposal process or the presentation schedule, please contact: convention_program@ssma.org

Speaker Proposal Acceptance Decision: Friday JUNE 19, 2020

2020 Convention Program Chair: Christa Jackson

(jacksonc@iastate.edu or convention_program@ssma.org)

Proposal Details:

After blind review by the Program Committee, you will be notified whether your proposal is accepted for the Convention. As you submit your proposal online, the following information will be required:

- Speaker Information (name, affiliation, email, etc.)
- Co-Presenter Information (name, affiliation, email)
- Presentation Description
 - Session Title (limited to 100 characters including spaces)
 - Program Description (limited to 400 characters with spaces; this is the information that will be included in the program)
 - Proposal Description (limited to 2500 characters including spaces)

Note: We recommend writing your proposal details in a Word document and then copying the details in to the form when ready for submission.

***Congratulations to
Our New Board Members
2020-2023***

***Board of Directors
Stephen Scogin***

Assistant Professor of Biology and
Education
Hope College
Holland, Michigan



***Board of Directors
Susan J. Cooper***

Assistant Professor
Coordinator, Secondary
Education
College of Education Florida
Gulf Coast University, Fort
Myers, FL

THE MATH-SCIENCE CONNECTOR

School Science and Mathematics, the SSMA Journal

Dr. Carla Johnson, Editor

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 PK-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.

If you would like to be a Reviewer, please contact the Editor (carlacjohnson@ncsu.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.





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

***Nominations for SSMA Board of
Directors***

To nominate a candidate to serve on the SSMA Board of Directors, a petition of twenty-five (25) signatures can be sent to Sandi Cooper, Chair of the Nomination and Election Committee. Self-nominations are accepted as well.

Please contact:

Sandi Cooper

Mathematics Education

School of Education Baylor University Waco, TX

Sandra_Cooper@baylor.edu

Call for SSMA 2021 Awards

Deadline for submission of nominations: March 15, 2021

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.

Send materials (for each award) electronically to

awards@ssma.org

prior to March 15, 2021.



**TONI IVEY, PH.D. &
STEPHANIE HATHCOCK, PH.D.**
CO-EXECUTIVE DIRECTORS
School Science and Mathematics Association
405.744.6151 • 245 Willard Hall • ssma@okstate.edu



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 **Toni Ivey or Stephanie Hathcock** (office@ssma.org).

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



Georgia Cobbs
Newsletter Editor

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