

South Carolina Council of Teachers of Mathematics

October 2018

2018 Pre-Conference News, Issue 1

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Conference News from the President

Hello South Carolina math educators! I hope everyone is looking forward to the upcoming annual SCCTM Conference, *Change the World of Mathematics:* Sow A Seed! I know that I am excited! It is important for me to regularly find ways to connect with other math teachers, to share my stories and to learn from others. My connections with my math teacher friends helps me reflect on my practices and refine my teaching. Every year the SCCTM Conference reenergizes me!

This year's conference promises to be outstanding! We are thrilled to have Robert Berry, NCTM President, and Laurie Boswell, sponsored by Cengage, as Thursday's. Friday's keynote speakers will be Matt Larson, sponsored by HMH, and Eric Milou, sponsored by Pearson. In addition, we have a great selection of presentations targeting elementary, middle, and high school math teachers.

If you're interested in finding ways to engage, consider volunteering. If you are interested, simply complete the questionnaire on the main page of our website, http://www.scctm.org. And don't forget to order a T-shirt and sign up for the a Math Trail! There is also a new opportunity to become a SCCTM Ambassador. There are lots of ways to engage and become re-energized! If you have not yet registered, you'll want to do so today! You can register for the conference via our website, http://www.scctm.org.

I am excited to see everyone at this year's conference! And don't forget that the conference will kick-off on **Wednesday evening at 7:00pm** with an opening session with Luke Dollar, sponsored by Cengage.



Leigh Martin
SCCTM President (2017-2018)

We encourage you to follow us on





2018 SCCTM Fall Conference 42[™] Annual SCCTM Business Meeting



November 14- 16, 2018 Columbia, SC

Change the World of Mathematics Sow a Seed

Nationally Acclaimed Keynotes, Sessions, Workshops, Math Trails, Field Trips, and Exhibits, comprise the Conference activities held at the TD Convention Center in Greenville, South Carolina

Registration

Registration will be held in the Lobby of the Convention Center on Wednesday evening, Thursday, and Friday, during the following hours:

Wednesday, November 15 4:15 pm - 6:45 pm

Thursday, November 16 7:30 am - 12:30 pm

Friday, November 17 7:30 am - 9:30 am

Exhibits

Mathematics instructional materials, software, publications, and professional services will be displayed in the Conference Hall of the TD Convention Center. Commercial exhibits will be open during the following hours:

Thursday, November 15 8:00 am - 4:00 pm

Friday, November 16 8:00 am - 2:00 pm

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Dear SCCTM Members and Fellow Mathematics Educators,

Welcome to the 2018 SCCTM Annual Fall Conference! The Executive Board is pleased to present an extensive program of professional development opportunities. The Conference will take place on November 16 and 17 at the Columbia Metropolitan Convention Center in Columbia, South Carolina. We will begin the conference with the opening session on Wednesday at 7:00 pm followed by a reception. This year's theme is:

Change the World of Mathematics - Sow a Seed

We are excited to present some of the most outstanding keynotes and featured speakers. All are nationally known speakers, along with some who are internationally known, who are all in high demand. We are extremely pleased to have them at this year's conference. Biographies of the keynote speakers and featured speakers may be found in the pre-conference newsletter and program booklet. This is a professional development experience that you don't want to miss. The keynote and featured speaker line-up is shown as follows:

Opening Session Keynote Speaker – Dr. Luke Dollar, National Geographic Keynote Speaker – Dr. Robert Q. Berry, NCTM President Keynote Speaker – Dr. Laurie Boswell, Big Ideas Learning Keynote Speakers – Dr. Matt Larson, Houghton Mifflin Harcourt Closing Session Keynote Speaker – Dr. Eric Milou, Pearson Education

EdVenture, S2TEM Center, and Texas Instruments will sponsor rooms hosting a variety of sessions and workshops. In addition, there will be many sessions and workshops conducted by fellow mathematics educators from South Carolina, the Southeast, and the nation sharing new ideas on how to "Sow a Seed" in your mathematics classrooms so that you and your students together can "Change the World of Mathematics." Please make plans to attend the opening session and closing session. From the response we got from last year's conference, know that you will not want to miss out on the ideas and teaching strategies that these speakers will share with us. In addition, please remember to attend the annual business meeting held at the end of Thursday sessions. This meeting is where you get to see your South Carolina Council of Teachers of Mathematics leaders in action and find out about all the benefits that come with your membership. After attending this year's conference, it is our hope that some of you will aspire to become a part of the SCCTM leadership team.

On behalf of the Executive Board, I would like to thank each of the conference speakers and attendees, as well as our exhibitors and sponsors, for a successful SCCTM 2018 Fall Conference. We look forward to seeing each of you in Columbia. Sincerely,

Morondo Lewis

Morondo Lewis, SCCTM Past President 2018 Fall Conference Program Chair





Luke Dollar
National Geographic Explorer
Opening Keynote
Wednesday, November 14
7:00 PM
General Session
Ballroom A/B



Author
Thursday, November 15
1:45 PM
General Session
Ballroom A/B

Bringing the World Into the Classroom

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Platinum Sponsor

OPENING CONFERENCE RECEPTION

Wednesday, November 14th at 7:00 pm

The SCCTM Board of Directors would like to invite conference attendees to the Opening Conference Reception to quick off the 2018 South Carolina Council of Teachers of Mathematics Annual Fall Conference.

Join us in Ballroom A/B at 7:00 for the Opening Session with National Geographic Explorer, Luke Dollar.

Lunch on Thursday & Friday 11:00 am - 1:00 pm

When you check it at registration, you will receive your lunch tickets for Thursday and/or Friday.

You may pick up your boxed lunch at the back of the exhibit hall. Volunteers will be there to collect your ticket. Seating will be available in the exhibit hall, at the picnic tables outside, on benches in the convention center, and from 12:00 – 1:30 on Thursday and from 11:30 to 1:00on Friday at the tables under the escalator.

AWARDS CEREMONY RECEPTION The 42nd Annual SCCTM Business Meeting and Awards Ceremony

Thursday, 4:45 pm in Ballroom A/B

At the end of the meeting, drawings will be held for

FABULOUS door prizes
You must be present to win!

Hors d'oeuvres will be served

On the way into the meeting, fill up your plate and join your friends and colleagues at the banquet tables in the ballroom.



2018 Conference Hotels

Reserve your hotel room for the 2018 SCCTM Conference!

Hilton Columbia Convention Center: 924 Senate Street, Columbia SC Hampton Inn Columbia-Downtown Historic District: 822 Gervais Street, Columbia SC

Click here to register!

Wednesday's Opening Keynote Session Ballroom A/B-7:00 pm

Dr. Luke Dollar

Sponsored by National Geographic



Luke Dollar is a National Geographic Explorer and a wildlife biologist with more than 25 years' experience coordinating conservation, research, educational, and development programs. Dollar's specific research focuses on carnivores ranging from big cats to Madagascar's largest carnivore, the fosa (Cryptoprocta ferox), and satellite analyses of their habitat. More than 50 percent of his overall efforts are concentrated on grassroots education and sustainable employment programs for local people sharing space with Africa's predators. Dollar's efforts have not only yielded a trove of data on carnivore biology and behavior, but his programs have led to the development of scholastic and sustainable business programs benefiting thousands of local subsistence farmers and their children. He served as program director of National Geographic's Big Cats Initiative from 2009 to 2017 and is currently Bashore Distinguished Professor and Chair of the Department of Environment and Sustainability at Catawba College and Adjunct Professor of Environment at Duke University.



Thursday Opening Session Ballroom A/B—9:15 am

Dr. Robert Q. Berry, III

President, National Council of Teachers of Mathematics

Sponsored by SCCTM

Catalyzing Change: Identity, Agency, Positionality and Equitable Instructional Practices



Robert Berry, III is president of the National Council of Teachers of Mathematics (NCTM), a 50,000 -member international mathematics education organization.

Robert Q. Berry, III is a Professor in the Curry School of Education at the University of Virginia, with an appointment in Curriculum and Instruction and Special Education. Berry teachers mathematics methods courses in the teacher education program at the University of Virginia. Additionally, he teachers graduate level mathematics education courses and courses for in-service teachers seeking a mathematics specialist endorsement. He is a former middle school teacher and was twice named Teacher of the Year in Virginia.

Equity issues in mathematics education are central to Berry's research efforts within four related areas: (a) understanding Black children's mathematics experiences (mathematical identities and agency); (b) measuring standards-based mathematics teaching practices; (c) unpacking equitable mathematics teaching and learning; and (d) exploring interactions between technology and mathematics education. Berry has extensive experiences in classroom observation and is the lead developer of an observation instrument, *Mathematics Scan*, which measures standards-based mathematics teaching practices.

Berry has collaborated on the Children's Engineering Initiative in the Curry School of Education to use digital fabrication to incorporate engineering design principles into mathematics education. His most recent work has focused on using qualitative metasynthesis as an approach to understand the mathematics experiences of learners.

Berry has published nearly 100 articles, book chapters, and proceedings. His articles have appeared in the Journal for Research in Mathematics Education, Journal of Teacher Education, and the American Educational Research Journal. Berry served on the Board of Directors of the National Council of Teachers of Mathematics 2011-2014 and is a two-time recipient of NCTM's Linking Research and Practice Publication Award. He was recognized as the 2011 Mathematics Educator of the Year by the Virginia Council of Teachers of Mathematics (VCTM), and received the University of Virginia's All University Teaching Award in 2011.

Robert Berry received his Bachelor of Science degree from Old Dominion University, his master's degree from Christopher Newport University, and holds a PhD from the University of Carolina at Chapel Hill.

Pearson Math Curriculums and Textbooks

High-quality mathematics instruction ensures that students become problem solvers. We believe all students can develop deep conceptual understanding and procedural fluency in mathematics. In doing so, we help our students grapple with real problems, think mathematically, and create solutions.



enVisionmath2.0

enVisionmath2.0 is a comprehensive K-8 mathematics curriculum with superior focus, coherence, and rigor. Ensure success at every level with problem-based learning, embedded visual learning, and personalization to empower every teacher and student.



Why enVisionmath2.0?

• Proven Instructional Design

enVisionmath**2.0** emphasizes conceptual understanding. Problem-based learning facilitates productive struggle strengthening students' ability to think mathematically.

Personalized and Adaptive

With a wide variety of differentiation resources and strategies to choose from and innovative features like Adaptive Practice powered by Knewton, *enVisionmath2.0* makes math relevant to all students.

• Unmatched Authorship Team

The enVisionmath2.0 authors, trusted in their respective fields, are renowned in mathematics education.

One Powerful, Integrated System

Access all content, resources, assessments, and student data on Pearson Realize. This powerful learning management system gives you instant access to everything you need and want, in a single place.

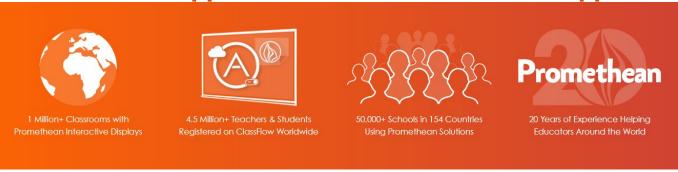
· With You Every Step of the Way

Our professional development resources serve teachers and administrators alike. From face-to-face training to 24/7 virtual and on-demand support, we deliver the resources you need to get the most out of *enVisionmath2.0*.

https://www.pearsonschool.com/ SCCTM appreciates Pearson's Sponsorship!

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Promethean Sessions in Carolina Room B SCCTM is Appreciative of Promethean's Support!



https://www.prometheanworld.com/

Texas Instruments Sessions in Richland Room B SCCTM is Appreciative of Texas Instrument's Support!



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It was 40 Years Ago.

It was the last full week in October 1978, the state was preparing to elect a new governor with Senator Dick Riley and former Congressman Ed Young winding down their campaigns. Earlier in the month, the Yankees defeated the Dodgers to become the World Champs and Pope John Paul II began his papacy.

Gas cost 63 cents a gallon and the national debt reached an all-time high of \$800 billion. John Travolta and Olivia Newton John were still riding high on their summer box office hit, *Grease*, while *Exile's Kiss You All Over* remained number one on the American Top 40. ABC's Tuesday night line up included the most watched shows of the month with *Happy Days*, *Laverne & Shirley*, *Three's Company*, and *Taxi*.

I was teaching Algebra Two that year in Charleston County using the popular textbook by Mary P Dolciani. The Basic Skills Assessment Program (BSAP) was the topic on the minds of educators and the community. The National Assessment of Educational Progress (NAEP) was administered for the first time earlier in the year.

...and the South Carolina Council of Teachers of Mathematics held its first ever statewide conference convening at Columbia College. Bonnie Cagan, the organization's first president, handed the gavel over to Eloise Rudy, Greenville County's beloved mathematics consultant.

...and a tradition began. As we prepare to convene our members together for another enriching professional experience, I can't help but express appreciation for the many leaders that worked diligently to make the SCCTM what it is today. We are better people and more effective teachers because of our active involvement with others who share a similar passion and commitment to improving the teaching and learning of mathematics.

As you download the flip book containing the conference program, think of how we have grown as an organization over the past forty years and how you can help make it even stronger in years to come. Consider your role as, not only a math teacher, but an advocate for improving what we do every day for students and changing the public's view of what mathematics is and its impact on all of our lives.

For over forty years, the SCCTM has been dedicated to four main goals:

- (1) encouraging and stimulating greater interest in mathematics and its applications;
- (2) encouraging and providing opportunities for the exchange of ideas and materials related to the instruction of mathematics;
- (3) furthering the cooperative study of problems related to the teaching of mathematics at all levels; and
- (4) working for the improvement and advancement of mathematics instruction at all levels of education.

There is something for every member and being at the conference every year helps strengthen our cause, rejuvenate our spirits, and serves to remind us why we got in this business in the first place.

Here's to celebrating our 40th anniversary of providing enriching annual conferences and making an impact on the teaching and learning of mathematics.



Marc Drews
SCCTM President-Elect (2018-2019)

As we enter the last full week in October 2018, the state is preparing to elect a governor with Henry McMaster and James Smith

Thursday Afternoon Keynote Session Ballroom A/B—1:45 Dr. Laurie Boswell

Sponsored by Big Ideas Learning

Using Learning Intentions and Success Criteria to Improve Teacher Clarity



Laurie Boswell, Ed.D., is the former Head of School at Riverside School in Lyndonville, Vermont. In addition to textbook authoring, she provides mathematics consulting and embedded coaching sessions. Dr. Boswell received her Ed.D. from the University of Vermont in 2010. She is a recipient of the Presidential Award for Excellence in Mathematics Teaching and is a Tandy Technology Scholar. Laurie has taught mathematics to students at all levels, elementary through college. In addition. Laurie has served on the National Council of Teachers of Mathematics (NCTM) Board of Directors and as a Regional Director for the National Council of Supervisors of Mathematics (NCSM). Laurie has co-authored numerous math programs and has become a popular national speaker.



2018 SCCTM Officer Nominations

The SCCTM Board would like to sincerely thank **Amy Wingate**, math teacher at Aiken High School, for her work with the Nominations Committee!

The following people are running for a SCCTM Board position. SCCTM members can vote once using this link: https://scctm.wildapricot.org/Sys/Poll/3830

We hope all SCCTM members will vote!

President-Elect

 Dr. Ryan Higgins, Associate Professor, Wiggins School of Education, Coker College

Vice President Elementary

 Donald Sarazen, White Knoll Elementary School, Lexington School District One, 2012 PAEMST Award Winner K-6 Mathematics

Vice President Secondary

- Dr. Machelle Sprauve, Wilson High School, Florence School District One
- Jennifer Wilson, Aiken High School, Aiken County Public School District, 2013 PAEMST Award winner 7-12 Mathematics

Secretary

- Paula Adams, Middle Grades & Secondary Placement Coordinator, Clemson University
- Brantay Cohens, Ocean Bay Middle School, Horry County Schools

NCTM Representative

- Christi Fricks, Riverside Middle School, Anderson County School District 4
- Ben Sinwell, Pendleton High School, Anderson County School District 4
- Marina Mosneaguta, Alice Drive Middle School, Sumter School District

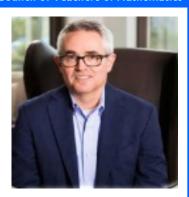
Government Relations

The SCCTM President appoints someone to this position (2-year term)

Friday Morning Keynote Session Ballroom A/B—9:15

Dr. Matt Larson

Sponsored by Houghton Mifflian Harcourt



Advocating for High Quality Math Instruction: Effectively Responding to Critics

Dr. Matthew R. Larson is past-president of the National Council of Teachers of Mathematics (NCTM) and a Senior Fellow for Math Solutions. Prior to serving as president of NCTM, he was the K-I2 mathematics curriculum specialist for the Lincoln Public Schools in Nebraska, where he currently serves as director of elementary education.

A prolific speaker and writer, he is the co-author of more than a dozen professional books. He was a member of the writing teams for major publications including *Principles to Actions: Ensuring Mathematical Success for All* (2014) and *Catalyzing Change in High School Mathematics; Initiating Critical Conversations* (2018). Key areas of focus include access and equity and effective stakeholder communication. He has taught mathematics at the secondary and college levels and held an appointment as an honorary visiting associate professor at Teachers College, Columbia University.



Wanted! SCCTM Ambassadors

Have you ever thought about volunteering for SCCTM? Are you interested in promoting SCCTM to other mathematics educators? Then you might be interested in becoming a **SCCTM Ambassador**!

Qualifications

- a passion for teaching
- a love for mathematics
- an advocate for math educators in our state

Duties

- represent SCCTM in your district or school setting
- share all things wonderful about our organization

Anyone interested in serving as a SCCTM Ambassador should email Eugene Bellamy, VP for Middle, at ebellamjr@gmail.com and complete the application no later than **September 30th**.

Ambassadors will be chosen based on personal interest and from nominations. Ambassadors will be selected and notified by November 1, 2018. An orientation will be held at the SCCTM Fall Conference on November 16th.

SCCTM Important Dates to Remember

November 15 - 16, 2018 SCCTM Fall Conference in Columbia April 25—28, 2018....... NCTM Annual Conference in Washington, DC April 15, 2018....... Teacher Grant Applications Due

2018 SCCTM Conference Hotels

Hilton: 924 Senate Street, Columbia SC

Hampton Inn: 822 Gervais Street, Columbia SC

Book your hotel today by clicking this link: https://www.hilton.com/en/hi/groups/personalized/C/

Become a NCTM Memberl

If you are not already a NCTM member, you can become an Essential Member today for just \$59! This membership includes a 20% discount to the NCTM Sore and on meeting registrations, one **FREE** grade-band specific journal (print and digital), unlimited access to NCTM's online community, MyNCTM. Visit the NCTM website to learn more.

When you join, make sure you designate SCCTM as your local affiliate organization!



NCTM Conferences

Consider attending one of this year's NCTM Regional Conferences in Hartford, (October 4-6) Kansas City (November 1-3), or Seattle. (November 28-30). NCTM Conferences are great networking and learning opportunities. To learn about submitting a speaker proposal or registering for a conference, visit NCTM's website at nctm.org.

2018 Sponsors

The South Carolina Council of Teachers of Mathematics seeks (I) to encourage and stimulate greater interest in mathematics and its applications; (2) to encourage and provide opportunities for exchange of ideas and materials related to the instruction of mathematics; (3) to further the cooperative study of problems related to the teaching of mathematics at all levels; and (4) to work for the improvement of mathematics instruction at all levels of education. As a nonprofit organization, SCCTM relies upon its membership; events; and business, institutional and private sponsorships and donations to help offset expenses and promote the advancement of mathematics educational opportunities for educators in the State of South Carolina.

We appreciate the continued support of past corporate and institutional sponsors. In the past such sponsorships were usually tied directly to our Fall Conference. Beginning with the 2012-2013 year SCCTM adopted a new policy for year-long acknowledgements and partnerships with our sponsor contributors and benefactors who provide the support that enables the organization to bring an exceptional level of Professional Development and Benefits to our members.

If you would like to **become a sponsor or make a contribution**, please contact Lane Peeler at scctm.exhibits@gmail.com.

While all contributor levels are acknowledged here, additional recognition and partner opportunities are offered to our Platinum, Gold, and Silver Sponsors. Please be sure to check out the Platinum Sponsor websites, and note our sponsors' ads in this publication. As a member, please be sure to let these sponsors and contributors know you appreciate their support.

SCCTM gratefully acknowledges the following sponsors for the 2018-2019 year.

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Contact Lane Peeler at SCCTM.exhibits@gmail.com for information regarding Exhibit Booths and Sponsorship opportunities.

Friday Afternoon Closing Keynote Session Ballroom A/B—2:30

Dr. Eric Milou

Sponsored by Pearson Education

Reinventing & Reimagining the Mathematics Classroom



Dr. Eric Milou is a professor of mathematics at Rowan University in Glassboro, New Jersey. Dr. Milou has taught at Rowan for the past 20 years and served six terms as the President of the Rowan University Senate from 2007 to 2013. He previously served as the President of the Association of Mathematics Teachers of New Jersey, the program chairperson of the 2007 National Council of Teachers of Mathematics (NCTM) annual meeting and has extensive speaking experience on standards-based reform in mathematics. He is one of the authors of digits, *EnVisons 6-8* and *EnVisions A/G/A* (published by Pearson) and was the recipient of the Max Sobel Outstanding Mathematics Educator Award in 2009.



2018 SCCTM Fall Conference



42nd Annual Business Meeting November 14 – 16, 2018 Columbia, South Carolina





Change the World of Mathematics Sow a Seed



South Carolina Council of Teachers of Mathematics

SCCTM 2017-2018 Officers



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