

South Carolina Council of Teachers of Mathematics

Winter 2016—17 Volume IX, Issue 1

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Past President's Greeting

Hello South Carolina Teachers of Mathematics at any Level,

I hope that you are having a great second semester or 3rd quarter which ever is appropriate for your school year. We had another great conference in Greenville back in November. If you were there, you know we changed our format to include an opening session on Thursday and a closing session on Friday. This was in response to concerns about missing some 8:00 sessions and workshops due to registration or just arriving a little late. We also felt that our Thursday business meeting was too long due to all the prizes that were given out so that was the reason for the closing session. Everyone that I talked with was very pleased with this new format. I am sure this was due partly to the keynote speakers: Dr. Lee Stiff presented the opening session and Adam Dovico the closing session.

In addition we had the following featured or keynote speakers: Jerry Pallotta (Featured Author and Keynote Speaker), Glenna Tabor (Keynote and Featured Speaker), Dr. Ed Burger (Keynote Speaker), Candice Brucke (Featured Author), and Afreeka Miller, Bernard Frost, Kim Goff (Featured Speakers). It is the goal of the SCCTM Board to continue securing such keynote and featured speakers for future conferences. We would like to thank all the wonderful presenters (a record number) in the workshops and sessions who shared their knowledge and strategies for teaching mathematics. Most importantly we would like to thank each of you for attending, for without you there would be no conference.

Our newly elected SCCTM officers are President-elect: Leigh Haltiwanger; Secretary: Susan Teague; Vice President Elementary: Jennifer Wilson; Vice President Secondary: Sherry Young; and NCTM Rep: Ryan Higgins. Morondo Lewis is our 2017 SCCTM President, and I am the Past President. We would also like to congratulate Mary Ruzga for receiving the Outstanding Contribution to Mathematics Education (OCME) award. The OCME award recognizes educators who have made outstanding contributions in curriculum, instruction and/or assessment of mathematics. Mary is most deserving of this award as she has served our state at the Department of Education helping mathematics teachers through out the state.

The board's mission is to share as many exciting and interesting opportunities for teachers and students in the coming year. We did not quite reach our goal of having 1000 attendees in 2016, so we will still have this as a target goal for 2017. The theme for the 2017 Fall Conference is:

Teaching the Big Ideas—Seeing Beyond Today's Lesson.

I encourage each of you share your ideas and knowledge of mathematics by presenting proposals for the 2017 conference. I am including a link to a wonderful article by Randall I. Charles. You may wish to refer to it when preparing your presentation. http://www.jaymctighe.com/wordpress/wp-content/uploads/2011/04/MATH-Big-Ideas NCSM Spr05v73p9-24.pdf

Bill Whitmire SCCTM Past President (2016)





Grants and Scholarships

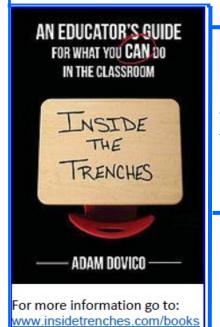


SCCTM Grant Applications Due April 15

Leigh Haltiwanger Martin, President-Elect & Committee Chair haltiwa@clemson.edu

The South Carolina Council of Teachers of Mathematics (SCCTM) will fund three (3) grants of up to \$1500 each this year to support SCCTM members desiring to implement projects in mathematics-related areas. Grant application forms and instructions can be found at

www.scctm.org.



SCCTM Educator's Scholarship

Bridget Coleman, VP-Post Secondary & Committee Chair

This scholarship provides financial assistance of \$1500 to a teacher pursuing an advanced degree in mathematics, mathematics education, or elementary education with an emphasis in mathematics. Eligibility requirements and an application form may be found on the SCCTM websites at www.scctm.org.

SCCTM Pre-Service Scholarships

Gina Dunn, Committee Chair

These scholarships provide financial assistance of \$1500 to deserving pre-service teachers who express their intention to specialize in the teaching of mathematics education. Up to three scholarships are awarded each year depending upon the availability of funds. Eligibility requirements and an application form may be found on the SCCTM websites at www.scctm.org .

Platinum Sponsors



Award Nominations Mary Ruzga, Committee Chair



Each year SCCTM recognizes an educator who has made significant contributions to the educational community in our state. If you would like to nominate someone for this award, please go to SCCTM's website at www.scctm.org to find specific information about award requirements, the nomination form, and a list of past recipients. Please send your nominations to mruzga@ed.sc.gov no later than July 15, 2017. The award will be presented at the SCCTM 2017 Fall Conference in Greenville.

The MathMate

Gina Dunn, Editor

VOLUME 37 NUMBER 2 OCTOBER 2016

The Editorial Board of The MathMate invites you to submit manuscripts for upcoming publications. We really need articles or activities for the lower grade levels. If you have an activity that you have successfully used in your classroom and would like to share that activity with other teachers at

THE MATHMATE



THE OFFICIAL JOURNAL OF THE SOUTH CAROLINA COUNCIL OF TEACHERS OF MATHEMATICS

your grade level, please consider writing about that activity and submitting your manuscript for consideration for publication in *The MathMate*.

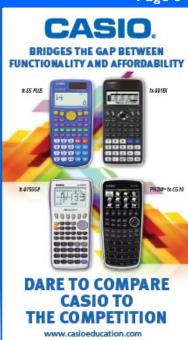
You may submit your manuscript to: scmathmate@gmail.com.

Please put the following information on a cover sheet:

- (1)Name
- (2) Contact Information
- (3) Grade Level

Go to:

http://www.scctm.org/The-MathMate to view copies of The MathMate and find out how you can submit an article.

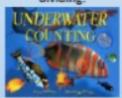


Platinum Sponsors

Jerry Pallotta

Children's book Author.

Jerry's beautifully illustrated series of elementary math books include titles on adding, subtracting, multiplying, and



More information is available

www.jerrypallotta.com

Pi Day March 14th



Affiliate Opportunities

Attention College and University faculty and staff:

Starting an affiliate organization at your institution is easy and a provides numerous benefits to your students. Clemson University organized Clemson University's Student Council of Teachers of Mathematics (CUSCTM) in the fall of 2012. Since then, members have held meetings that focus on the professional development of mathematics teachers, and have attended the National Council of Teachers of Mathematics (NCTM) conferences and the South Carolina Council of Teachers of Mathematics (SCCTM) conferences.

Last fall, seven CUSCTM members presented at the SCCTM conference.



To learn more about starting an affiliate at your institution, call or email Leigh Martin, faculty advisor of CUSCTM (864-656-5115, haltiwa@clemson.edu).

NCTM

It's Easy to Join!

ONLINE: www.nctm.org/membership

PHONE: 800.235.7566 or 703.620.9840

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SCCTM 2017 Math Media Contest

Please be on the look out for information for this year's Math Media Contest. Instructions should be posted at http://www.scctm.org/news-announcements by March 1. The Spring deadline for submissions will be coming up soon. Each First Place Winner will be awarded \$50.00 and the sponsoring Teacher will receive a complimentary one-year SCCTM membership. Winning artwork will be showcased at the 2017 SCCTM Annual Conference and EdVenture Children's Museum.

Math Tournaments coming up in March and April.

April 21, 2017 -

Clemson University. The Clemson Calculus Challenge https://mthsc.clemson.edu/ccc/2017.html

March 17 -

Coastal Carolina University. Dr. Subhash Saxena High School Math Contest http://www.coastal.edu/math/mathcontest/

March 18, 2017 -

Furman University. Wylie Mathematics Tournament

http://www.furman.edu/academics/mathematics/Conferences-and-Events/Pages/Wylie-Mathematics-Tournament.aspx

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Check out www.mathcounts.org for more information.

2016 SCCTM Fall Conference Review

The 2016 Conference, *Refresh*, *Refocus*, *Renew - Be Math Strong*, was held at the TD Convention Center in Greenville, SC, in November. Our second year of the new online registration process proved successful.

A new conference program format was developed with Opening and Closing Sessions. The format for the 2016 Business Meeting and the Friday Closing Session were held with a layout of banquet tables with hors-d'oeuvres or refreshments served during the sessions. Prize drawings were held at both presentations.

Dr. Lee Stiff began the conference at the Thursday morning Opening Session, followed by Dr. Ed Burger and Jerry Pallotta as keynote speakers during the day. On Friday, Glenna Tabor presented the morning's keynote address with Prof. Adam Dovico providing the Closing Session keynote presentation. Additionally, featured speakers Candice Brucke, Bernard Frost, Kim Goff and Afreeka Miller presented workshops and sessions on both days.

Featured workshops were again offered with S²TEM Centers SC, EdVenture Children's Museum, Texas Instruments, CASIO, Glenna Tabor, Kim Goff, Afreeka Miller, and SCDE presenting. Field trips and tours included two days of hiking Math Trails at Paris Mountain State Park; Art Tours for lower and upper grade levels at the BJU Museum & Gallery; and the South Carolina Academic Learning Environment (SCALE) Math Trail. Authors, Jerry Pallotta, Adam Dovico, and Candice Brucke shared their books and provided autographs. We thank our wonderful pages who worked so hard.

The 40th Annual Business Meeting brought numerous awards and recognitions including the Outstanding Contributions to Mathematics Education Award presented to Mary Ruzga.

As Conference attendees visited the Exhibit Hall, they not only found new and proven education materials but complimentary morning coffee and afternoon fresh popcorn. Every visit to an exhibitor also brought an additional chance to win major door prizes at the Closing Session.

Pictures may be found on pages 7 through 14.

Volunteers Needed

If you would like to volunteer at the 2017 conference in Greenville, please click here and complete the Time and Talents sheets. We appreciate your help!

SCCTM Business Meeting 2016

Awards and Recognitions



Erica Aiken (left) of Greenville County receives \$1500 SCCTM Educator's Scholarship from Bridget Coleman.



Mary Ruzga (right) receives the Outstanding Contributions to Math Educators Award. From Dr. Cindy Doolittle



Gina Dunn awards \$1500 Pre-Service Teacher Scholarships to Kelsey Leonard and Katelyn Evans



2016 Grant Recipients were acknowledged as:

Verletha Jenerette, Eau Claire High School Brooke Lane, Belton Elementary Heather Pace, Cowpens Elementary

Presidentail Awardees were recognized and presented a certificate by Bill Whitmire.

Pictured below (but not necessarily in order) Tami Broomall, Tammy Renee Joiner, Kimberly Rothberg, Yvonne Strange









2016 Media Contest Winners were acknowledged as:

Grade Band K-2 - Blake Bridges - Cowpens Elementary
Grade Band 3-5 - Adyson Stancil - Cowpens Elementary
Grade Band 6-8 - Stephanie Ponce-Rico - Busbee Creative Arts Academy
Grade Band 9-12 - Tyler A. Gainey - Darlington County Schools

SCCTM Business Meeting 2016

Many thanks to our hardworking out-going officers.



Christi Fricks Past President (2015) 2016 Program Chair



Wanda Noblin VP-Elementary



Karen Threlkeld, VP-Secondarry



P-Secondarry Mary Pat Sjostrom, NCTM Representative with Bill Whitmire 2016 President



Passing the gavel.

Morondo Lewis becomes new
President as Bill Whitmire assumes
office of Past-President

The new President draws for the great Business Meeting door prizes!

Members participated in a drawing for prizes donated by
Best Buy
Country Cottage
Bargain Chicks
Hart Inc.
Explore Learning
Casio
SCEA
Heinemann
Visit Greenville

Refresh, Refocus, Renew

2016 Keynotes

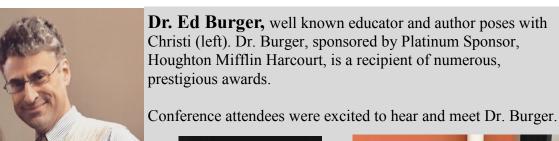
Be MathStrong!



Christi Fricks, 2016 Program Chair, created a new conference program format to include Opening and Closing Sessions. Here, Christi is excited to welcome **Dr.**Lee Stiff, recipient of educator awards and Past President of NCTM, as our Opening Session Keynote Speaker. Dr. Stiff's address set the tone for an energetic conference.

Dr. Stiff poses with ETA/ HAND2MIND representative, a SCCTM Platinum Sponsor who sponsored Dr. Stiff.











2016 Keynotes

Returning favorites, **Jerry Pallotta** and **Glenna Tabor**, shared their years of experience working with teachers and students with exciting and creative contributions in teaching materials and experiences as avenues to further professional development.

Each were sponsored by their respective companies, Jerry Pallotta, Author and Glenna Tabor Resources, LLC, who are both Platinum Sponsors.





Jerry (left) demonstrates his admiration (and ours) for SCCTM's <u>long</u> time supporter and exhibitor, Joan Stevenson of TKO-Turn Kids On, who graciously works with many of our visiting authors.





Always with a contagious smile, **Glenna Tabor** brings a rare energy to her presentations and a dedication to encouraging professional development through innovation in the great workshops she provides at our conferences.

WRAPPERS WASTED A Mathematical Adventure in Surface Area

Written by Candice Yarbray Brucke Illustrated by Dawnyelle Moore

Need a whimsical unit to teach middle school math standards the week before Christmas break? One book and worksheets to address Area, Surface area, Area of a circle, Area of a triangle, Volume, Squared inches, Cubic inches Formula, Net and written assignments. Order today at Teachers Pay Teachers.

2016-17 SCCTM Gold Sponsors

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2016 Keynote

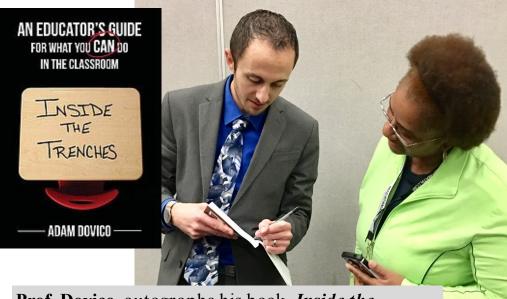
Inside the Trenches ico www. thes.com

CLOSING SESSION

To round out our "MathStrong" conference, **Prof. Adam Dovico** left us with the wisdom of his experience, encouraging educators to increase engagement, build a positive culture and raise achievement.

Adam Dovico, Author is also a Platinum Sponsor.





Prof. Dovico, autographs his book *Inside the Trenches* for a conference attendee.



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

2016 Featured Speakers

Candice Brucke, a returning SC author and Gold Sponsor of SCCTM, shares her books and proven techniques to teach upper elementary and middle grades in her sessions.

Afreeka Miller, sponsored by Carnegie Learning, came to us from Minnesota. Here, she poses with another Gold Sponsor Dr. Bernard Frost, popular SC educator; both were 2016 Featured Speakers. Afreeka led a workshop on figuring out the "data" around assessing learning in math classrooms and Bernard presented sessions that gave us strategies for developing innovative math classrooms.



Kim Goff, Master Trainer and Consultant for and sponsored by SREB, led four middle and upper level grade workshops related to engaging strategies in the Mathematics Design Collaborative (MDC) classroom.

SREB High Schools
That Work
Strategies That Make Math
Click for Students
The Southern Regional
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offers professional
development that engages
students in the hows and whys
of math.

For more information: Cindy Van Buren, VANBUREC@mailbox.sc.edu.

SREB's Fifth Annual College- and Career-Readiness Standards Networking Conference, Nashville, Tennessee July 10-12, 2017

www.sreb.org/networkingconference

2016-17 SCCTM Gold Sponsors



Dr. Bernard E. Frost is currently the District Math Coach/Specialist (Grade K-12) in Spartanburg District 7 and President of SCLME.



We hope everyone left Refreshed, Refocused, Renewed And MathStrong!

2016 SCCTM Conference



Members of SCCTM's Board at Conference HQ. These and other volunteers work very hard to have a successful conference.

Below, Cindy Parker, SCCTM Registrar, assists an attendee at Registration.



Sessions and Workshops were well attended.





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2016 SCCTIVI Conference

Closing Session door prize drawings.









Sessions and Workshops were well attended.









SCCTM Sponsors and Donors

The South Carolina Council of Teachers of Mathematics seeks (1) 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 2016-2017 year.

<u>Platinum Sponsors</u>

(click on each Platinum Sponsor to link to their website)

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DreamBox Learning, Inc.

PreamBox Learning, inc ETA hand2mind

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Jerry Pallotta, Author

<u>TaborRotationInstitutes</u>

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Candice Brucke
Carnegie Learning
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Francis Marion University
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Silver Sponsor

Texas Instruments

Contact SCCTM.exhibits@gmail.com for Sponsorship opportunities.

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News from EdVenture Children's Museum



Copies are also available for teachers at EdVenture's Welcome desk. To book programs, please call 803-400-1151 or email bookit@edventure.org.

Early Childhood Programs

Learning never starts too early for our youngest ones. At EdVenture, we have created a fantastic set of early childhood programs, aligned with the South Carolina Infant and Toddler Guidelines and Early Learning Standards.

Come and learn with our experienced EdVenture staff about colors, plants, senses, butterflies, music and more!

- Sense It! Explore the senses.
- ► Chatter Splatter Create unique art.
- Give me a Beat Become a musical genius.
- ► Tiny Tinkerers Make mechanical engineering fun!



"As one of South Carolina's most innovative educational resources for children and youth, we are committed to inspiring the sense of wonder and the joy of learning with engaging experiences every day."

Nikki Williams, EdVenture Executive VP



Book Online at EdVenture.org

Take your students on an experience that will spark their imagination and allow them to discover the power of hands-on learning for themselves. Plan your experience as a day of self-discovery and let students explore nine galleries and more than 350 interactive exhibits.

Can't bring your students to EdVenture? Let us come to you! Our programs can be brought to you wherever you are.

> For Booking Information: Theresa Dozier bookit@edventure.org (803) 779-3100 www.edventure.org

2016-2017 School and Group **Programs**





K-5 Programs



Bioinvestigations Lab



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Publications Chair—Alisa Hobgood
Site Committee Chair—Morondo Lewis
Special Training Committee Chair—Marc Drews
Student Pages Committee Chair— Bridget Coleman

SCCTM Important Dates to Remember

November 16 - 17, 2017...... SCCTM Fall Conference in Greenville

April 5 - 8, 2017...... NCTM Annual Conference in San Antonio

April 15, 2017...... Teacher Grant Applications Due

July 15, 2017..... Award Nominations Due

September 15, 2017..... Scholarship Applications Due