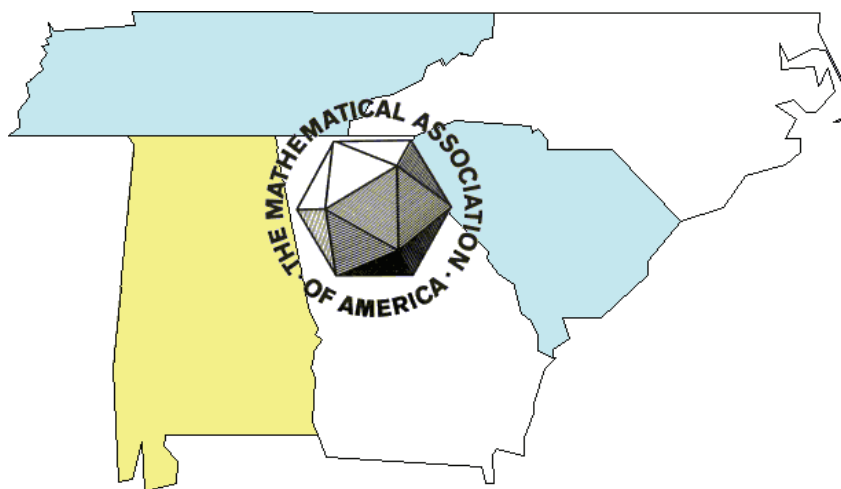


Southeastern Section Newsletter



Fall 2013
Volume 32 Number 2

**IMPORTANT SECTION MEETING INFORMATION
TENNESSEE TECHNOLOGICAL UNIVERSITY,
COOKEVILLE, TN
MARCH 14-15, 2014**

**Call for Papers: Deadline February 3
Meeting Information: Page 28
Workshop Information: Page 35**

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The Newsletter is published in April and November each year. The deadlines for items to be included in each issue are March 15 and October 15 respectively. Departmental News appears in the November newsletter only and is solicited from department liaisons.

Material may be submitted to the editor on paper or by email, although email is preferred. Currently the newsletter is produced using Microsoft Publisher, which can import plain text files or files produced by most word-processing software.

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SECTION CALENDAR

November 30, 2012	Deadline for Nominations for the Section Distinguished Service Award
December 1, 2012	Deadline for Nominations for the Section Distinguished Teaching Award
December 31, 2012	Deadline for Nominations for the Section Distinguished Teaching Award for Beginning Faculty Members
January 15-18, 2014	MAA-AMS Annual Meeting, Baltimore, MD
February 3, 2014	Deadline for Abstract Submission for Session Annual Meeting
February 7-8, 2014	Alabama MAA State Dinner and AACTM Annual Conference, Auburn University, Auburn, AL
February 21-22, 2014	Georgia Perimeter College Mathematics Conference, Clarkston, GA
March 14-15, 2014	Southeastern Section Annual Meeting, Tennessee Technological University, Cookeville, TN
April 5, 2014	Eagle Undergraduate Mathematics Conference and Georgia MAA State Luncheon, Georgia Southern University, Statesboro, GA
August 7-9, 2014	Mathfest, Portland, OR
January 10-13, 2015	MAA-AMS Annual Meeting, San Antonio, TX
March 13-14, 2015	Southeastern Section Annual Meeting, University of North Carolina Wilmington, Wilmington, NC
August 5-8, 2015	Mathfest, Washington, DC
January 6-9, 2016	MAA-AMS Annual Meeting, Seattle, WA
January 4-7, 2017	MAA-AMS Annual Meeting, Atlanta, GA
January 10-13, 2018	MAA-AMS Annual Meeting, San Diego, CA
January 16-19, 2019	MAA-AMS Annual Meeting, Baltimore, MD



FROM THE CHAIR

The Executive committee of the Southeastern Section of the MAA-SE is beginning a new and exciting year! To kick off the year, our executive committee met at Georgia Perimeter College on September 27-28, 2013 to discuss plans for our Spring Conference at Tennessee Technical University in Cookeville, Tennessee, March 14-15, 2014.

In addition to board member reports, several other topics/projects were discussed:

- a) Proposal to separate the office of Secretary/Treasurer
- b) Sharing section resources through the MAA website
- c) Migration of our website management to a content management system (CMS) by 2015

As your new chairman, I am excited to announce our other new officers. They are: Alice Pierce, Vice Chairman of Two Year Colleges; Joseph Rusinko, Students Activities; Kristen Abernathy, Newsletter Editor; Karen O'Hara, Project NeXt-SE ; Bernie Mullins, State Director from Alabama; and Karen Briggs, State Director from Georgia.

Here's wishing everyone a Happy Holiday Season and Best Wishes for a Joyous and Happy New Year! See you all in the spring.



FROM THE GOVERNOR

The Board of Governors meeting at MathFest 2013 provided interesting discussion over some topics that seem to be recurring and others that are new to the Association. Membership continues to be a point of concern, and the Board began the meeting by voting to approve the “Member Plus” rate at the level of \$249 (which was \$20 less than the amount originally proposed). In addition to the benefits at the “Member” rate of \$169, the “Member Plus” level of membership includes membership in three MAA Special Interest Groups (SIGMAA’s), a print version of *Math Horizons*, a copy of the Member Plus Book Selection, and the annual MAA Contest T-Shirt. The added benefits should be appealing to many MAA members who have routinely added journals and SIGMAA’s to their annual membership piece-by-piece. The MAA has now finalized the rates for all levels of membership, “Member”, “Member Plus”, “Student” and “K-12 Teacher”, and these amounts appear on the MAA website for membership renewal. With this simplified structure, the MAA hopes to better track our membership, particularly members who routinely re-enroll with a reduced “new member” discount.

As I reported last year, a question raised at a previous BoG meeting concerned the number of National Project NEX T Fellows who remained members of the MAA after their fellowship ended. Based on the data collected since 1994 (the first Project NEX T class), the news is not good. At most, the MAA retains only about half of the class, and in most years it’s typically in the range of 37-46%. In the two most recent years, however, the retention was 53% and 51%, respectively (for the 2009 and 2010 classes). Clearly, a point of concern is that if the MAA can only retain a small portion of Project NEX T Fellows with all of the resources afforded to this group, then how can the MAA best attract and retain regular members?

Steve Coolbaugh, the MAA Director of Membership and Marketing Communications, gave a detailed report on the MAA’s efforts to address declining membership over the last 13 years. The MAA is making a concerted effort to clarify our membership through the use of analytic tools. Based on his research, the implementation of particular software packages by the MAA over the years likely changed the way members were classified, which led to a perceived and likely artificial drop in number of “regular members”. He also pointed out that most of our membership growth was in “new members”, which resulted in a drop in revenue. His immediate mission is to stabilize the MAA’s membership and then over time to identify the appropriate steady-state size for our membership. We will also focus on ways to strategically grow the organization. He pointed to several things that should assist the MAA in these efforts: the simplified membership structure and the new website. He believes that the MAA will be able to determine baseline numbers and identify key metrics as well as develop new member acquisition and lapsed member reinstatement programs. The BoG was divided into focus groups to answer various questions regarding membership, including: how can we leverage department liaisons, what can we do to ensure that new members, especially early career mathematicians, become long-term members, why have BoG members remained a member of the MAA and why do you think others have chosen differently? As is typically the case, my responses based on my experiences in the MAA-SE shows that we do a great job in attracting new members to the Association through our special programs for new faculty in the section and outstanding participation (by faculty and students) in our Section activities across the five states.

The BoG again discussed our efforts to eliminate Implicit Bias from all that we do in the Association. This includes efforts to promote diversity on our awards committees as well as in our pool of potential award recipients. It also comes into play in our nominations for officers and almost all aspects of our work at the section level. For more information, please see http://www.maa.org/sites/default/files/pdf/sections_archived/Sections_ImplicitBiasStatement.pdf

Based on discussions related to the revisions to the By-Laws for another MAA section, all sections, including the MAA-SE, will need to revisit the language associated with the composition of the section Teaching Award Committee and how the Haimo Award nominee is selected annually. Just as in the MAA-SE, the Teaching Award Committee in most MAA sections is made up of past winners, and the Haimo Award nominee from the Section is the current year’s Section Teaching Award winner. However, it’s now possible to nominate individuals who have been nominated for the Haimo Award before. The MAA’s Council on Prizes and Awards plans to draft a bylaw amendment for all sections to adopt with regard to the section’s Haimo nomination committee, so stay tuned. In what seemed to be a minor move, the MAA voted to dissolve the Joint Committee on Disabilities. This action

(Continued on page 7)



FALL EXECUTIVE COMMITTEE **MEETING MINUTES**

September 27-28, 2013
Georgia Perimeter College
Emily Hynds, recording

Friday, September 27

Present: Queen Harris, Jeff Knisley, Emily Hynds, Jim Solazzo, Andy Miller, Sarah Raynor, Kristen Abernathy, Karen Briggs, Ray Collings, Joe Rusinko, Bernie Mullins, Alice Pierce, Karen O'Hara, Andrew Hetzel, Brian O'Connor, Jim Gleason

The meeting started at 7:46 pm.

REPORTS:

Most of the officer reports had been emailed to the executive committee prior to this meeting. (The reports themselves are available from the Secretary/Treasurer.) Several officers highlighted a few items that were contained in their respective detailed reports. Other officers gave oral reports. The contents of these verbal reports are briefly described below.

Pierce (VC of Two Year Colleges) discussed her efforts to make an up to date contact list for two year colleges. She has and will continue to contact two year colleges to invite them to be involved at the section meeting in the spring. She has made a specific effort to contact schools in Tennessee because it is the host state for the meeting. All contacts are being made in a manner that follows the guidelines set forth by the national MAA office.

Hynds (Secretary-Treasurer) informed the committee of the issues face by Winthrop in recovering the meeting money from the company that managed online registration. It was shared that Winthrop has had to cover many of the expenses themselves.

Motion: Emily Hynds made a motion to reimburse Winthrop their actual expenses up to an amount of \$1010, the amount received for meeting registrations directly to the section. Bernie Mullins seconded the motion.

The motion was approved.

Abernathy (Newsletter Editor) reminded the committee that the deadline for sending reports to her for the newsletter is Monday, October 28.

Mullins (Alabama State Director), Solazzo (South Carolina State Director), and Miller (Tennessee State Director) all highlighted upcoming state events that were also submitted in their reports.

Gleason (Site Selection) discussed ideas for how to manage hosting the 2016 meeting in the Birmingham area.

Miller (Ad Hoc Special Recognition Committee) presented the committee's recommendation that the section recognize a group of individuals that have made a particular valuable contribution to the section. This group will be honored at the spring meeting in Tennessee. The individuals will be given a certificate of recognition.

Motion: Emily Hynds made a motion to give each of these individuals a \$25 Amazon gift card. Kristen Abernathy seconded the motion.

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Governor's Report (continued from page 5)

was based on a view by recent members of the Joint Committee that the committee's original purpose had been made irrelevant in that accommodations for disabled members are offered at meetings on a regular basis without input from the Joint Committee. As a result of this vote, however, the BoG discussed ways that the MAA Councils can work together to address other issues related to mathematicians with disabilities (like teaching students with learning or physical disabilities). These issues will be discussed and assigned to the appropriate MAA Committees. For example, the Committee on the Teaching of Undergraduate Mathematics (CTUM) will likely include a discussion on pedagogical approaches to working with students with disabilities in its upcoming Pedagogy Guide.

The MAA continues to work to improve our development efforts. MAA Executive Director Michael Pearson announced that Lyn Soudien is the new MAA Director of Development and that the steering committee for the 2nd Century Campaign was meeting at MathFest 2013 in Hartford. He reported that the development program has made steps to improve but that we have a long way to go. He wants to make sure the MAA puts in a development program that serves the long term and doesn't solely focus on the Centennial. As an example, he commented that the MAA needs to build up its General Fund.

I hope that you will consider attending our upcoming national meetings, the Joint Mathematics Meetings in Baltimore, Jan. 15-18, 2014, and MathFest in Portland, August 7-9, 2014. I'm looking forward to seeing everyone at our MAA-SE meeting March 14-15, 2014, at Tennessee Tech where you will have the opportunity to share your comments or concerns with your Section Governor to pass along to the Association.

Executive Comm. Minutes (continued from page 6)

The motion was approved.

O'Hara (Project NExT-SE) reported the addition of 6 new members in 2013. She also mentioned a few of the interesting ideas that the group discussed at their last meeting. She invited the committee members to encourage young faculty to apply to become new members in 2015.

Gleason (Webmaster) requested that all committee members look at the website and send him any corrections that need to be made.

Knisley (Nominations) mentioned that we are in need of

nominations for the Tennessee State Director, Secretary-Treasurer, Beginning Faculty coordinator, and 2 nominations committee members.

NEW BUSINESS:

The committee agreed that it would be best to split the Secretary-Treasurer position into two positions. This will require changes to the bylaws. The goal is to have those changes approved by the executive committee and presented a few weeks before the spring meeting so that they can be voted on at the spring meeting.

The committee discussed ways we can help promote MAA membership. This discussion spurred a secondary discussion of how best to handle the book table at the spring meeting. It was agreed that instead of a book table, we will provide an MAA information table. We will have information about how to become a member as well as information on benefits of membership. We will display copies of the different publications members can choose from when they join. We will also provide a meeting code that will allow attendees to order discounted books while at the meeting. (*Note: Following the meeting it was conveyed to the committee that we will need to continue to provide a method for purchasing books at the meeting. Therefore, there will continue to be a book table.*)

The meeting adjourned at 9:34 pm.

Saturday, September 28

Present: Queen Harris, Jeff Knisley, Emily Hynds, Jim Solazzo, Andy Miller, Sarah Raynor, Kristen Abernathy, Karen Briggs, Ray Collings, Joe Rusinko, Bernie Mullins, Alice Pierce, Karen O'Hara, Andrew Hetzel, Brian O'Connor, Jim Gleason, Ron Taylor, Russ Herman
The meeting began at 8:00 am.

Minutes from the Spring 2013 executive committee meeting were approved following a few minor corrections. The corrected minutes will appear in the Fall 2013 newsletter.

Harris (Chair) represented the section at the Mathfest meeting in August 2013. She shared with the committee the concern expressed by the national MAA organization about possible bias in the selection of section committee members. This was not a concern directed at our specific section. Some discussion followed.

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Raynor made the suggestion that we simplify the process of nominating people for the section awards in order to increase the pool of nominees. The recommendation was made that we (the section) have a simple first step in order to generate a large initial pool. The committees would then narrow the list of nominees and follow up with the nominators for more detailed information on just those candidates.

Discussion followed on the awards for winners.

Motion: Sarah Raynor made a motion to change all awards to a choice of either a \$250 MAA book prize or a one year MAA Member Plus membership. Jeff Knisley seconded the motion.

The motion was approved.

SPRING 2014 MEETING**General Plans**

Hetzel and O'Connor (Tennessee Tech) presented plans for the 2014 meeting.

Much of the meeting will run in a manner similar to those in the past. The plans specific to Tennessee Tech were well thought out and needed little change. There was some discussion surrounding placement of the student poster session. It was decided that if numbers allow, the poster session will be in the main hallway of the Bryan Fine Arts center, near the location of the registration tables. The band room in the same building is the backup plan if the extra space is needed.

There was much discussion about the best way to conduct registration not only this year, but in years to come. In the past we have left it to each school to manage their own registrations. Due to the fraudulent activities of the online payment company used at the Winthrop meeting, the committee wanted to try to offer a plan that would avoid such issues in the future.

Motion: Sarah Raynor made a motion that we as a section offer a default registration process in which our website will host registration and PayPal will be used for online payments. The section will forward an advance of expected expenses to the host institution and will forward more throughout the process if needed to cover immediate expenses. The host institution will be given the option to make another choice if it works better for the institution. Andy Miller seconded the motion.

The motion was approved

Program

The committee agreed to keep the same basic format for the plenary speakers. Details were worked out concerning introduction duties for the known plenary speakers.

There was discussion about who to invite as the fourth plenary speaker. Some suggestions were made and the Chair will follow up with invitations.

One change in programming will be in regards to events for graduate students. There will likely be a full day of events for graduate students on Friday. There was discussion of having a teaching workshop on Friday morning and then a session on presentations in the afternoon. The graduate students who participate in the afternoon session will be given a chance to receive feedback on their presentations. There was also talk of a panel discussion during the afternoon session. Graduate students will still be given the opportunity to present during the regular session on Saturday if they prefer.

Another change is that we will not have any short courses that require additional payment for participation. Instead, we will offer several workshops. The section will reimburse the registration fee for the person running the workshop if at least 6 people attend the session.

Two special sessions were approved. Four other special sessions were approved pending more information from the sponsors of those sessions. The committee will vote on final approval of those sessions before the printing of the fall newsletter.

Discussion

There was a brief discussion clarifying email procedures for the section as there have been recent changes.

The meeting adjourned at 12:02 pm.

Corrections to Executive Committee Minutes from Spring 2013 meeting

Corrections from the executive minutes appearing in the spring 2013 newsletter include:

1. "Tennessee Technical College" should read "Tennessee Technological University"
2. "Bryan O'Connor" should read "Brian O'Connor"



LOOKING FOR A GREAT MATHEMATICS SPEAKER?

Invite the Southeastern Section Lecturer to your campus!

Many think the Section Lecturer only delivers an address at the Annual Meeting of the Section, but this person also visits individual institutions within the Section.

Harold Reiter is the 2013-2014 Section Lecturer. Contact him at hbreiter@uncc.edu.

Make your arrangements today!

STATE DIRECTOR ANNOUNCEMENTS

From Bernadette Mullins, State Director of Alabama

The 2014 MAA Alabama State Dinner will be held on the campus of Auburn University in Auburn, Alabama on the evening of Friday, February 7, 2014. The keynote speaker will be the 2013-2014 MAA Southeastern Section Lecturer, Dr. Harold Reiter of the University of North Carolina Charlotte. Dr. Andras Bezdek of Auburn University has generously agreed to serve as local organizer. All Alabama MAA members will be invited to attend by email. Any interested member of the Southeastern Section is also welcome to attend; an announcement will be made in the MAA-SE newsletter.

On the following day, Saturday, February 8, 2014, the 64th Annual meeting of the Alabama Association of College Teachers of Mathematics (AACTM) will be held at Auburn University. Dr. Bezdek will also serve as local organizer for this event.

From Karen Briggs, State Director of Georgia

The 2013-2014 MAA Georgia State Dinner will be held in conjunction with the Eagle Undergraduate Mathematics Conference on the campus of Georgia Southern University in Statesboro, Georgia on April 5, 2014. Hugh Howards (2013 Section Lecturer) will be the speaker.

From Patrick Bahls, State Director of North Carolina

The traditional NC State Dinner was put on hiatus this semester, as no schools were found to host it. Recruitment for next year's Dinner will begin earlier than usual, in Spring 2014, so that a suitable location can be found and prepared ahead of time.

From Jim Solazzo, State Director of South Carolina

The 2013-2014 MAA South Carolina State Dinner was held on the campus of Coastal Carolina University in Conway, South Carolina on the afternoon of Tuesday, October 29, 2013. The speaker was Dr. Amy Langville of the College of Charleston. Dr. Langville gave a very interesting talk regarding the mathematics underlying Google's search engine. The title of her talk was: Random Search, Ordered Results: How search engines use mathematics to organize the web.

The talk was followed by Math Jeopardy! where students from Coastal Carolina University and Francis Marion University participated.

Information regarding the 2014-2015 MAA South Carolina State Dinner will be available spring 2014. If your institution is interested in hosting this dinner, please send an email to Jim Solazzo at jsolazzo@coastal.edu.

From Andrew Miller, State Director of Tennessee

The 2013-14 TN State Dinner was held Saturday, November 9, 2013 at noon in Franklin, TN. Our speaker was Harold Reiter (UNC Charlotte), this year's Section Lecturer. Harold spoke on "What I Learned at Math Camp," a talk about how his teaching has changed in his 45-year career at UNC Char-

lotte, what he's learned from 10- and 11-year-olds, and how the MAA has helped.

In addition, Tennessee looks forward to welcoming fellow MAA-SE members to the Spring Meeting at Tennessee Technological University in Cookeville next March. It's going to be a great meeting!

News from the Campuses

Fall 2013

MAA Southeastern Section

Austin Peay State University (Clarksville, TN)

Congratulations to Dr. Loretta Griffy for promotion to Professor.

Congratulations to Drs. Raman Sahi and Ben Ntatin for receiving tenure.

APSU Mathematics Department has added new faculty. Ms. Sarah Kincaid, MAEDS from APSU as adjunct instructor.

Our students won awards in both the completed and in-progress research category in the poster presentations at Austin Peay 2013 Research Forum. In-progress Research Category: Liliana Alvarez and Anne French, *Connections between Markov Chains and Knot Theory*, mentored by Dr. Sahi. Completed Research Category: Donald Buhl-Brown and William Rich, *An Analysis of Using Depth Data to Refine Frame Difference Motion Detection Algorithms*, mentored by Dr. Nicholson.

Students participated and won prizes at the 2013 TAS Middle Division Collegiate Meeting for Undergraduate Research held at Belmont University. The title of the talks are as follows:

1. *Devil's Staircase – The Cantor function*, Timothy R. Curtis, mentored by Dr. Ben Ntatin. (Won the third prize in the Mathematics Section)
2. *An Analysis of the Cantor Set*, Kristen N. Knight, mentored by Dr. Ben Ntatin. (Won the third prize in the Mathematics Section)
3. *Solving the Heat equation using the Laplace's Transform via the method of Lines*, Dodji Kuwonu, mentored by Dr. Samuel Jator. (Won the second prize in the Mathematics Section)
4. *Analysis of a Refined Frame difference algorithm*, Donald Buhl-Brown, William Rich, Stephen Schuetrumphf, Joshua Forster, mentored by Dr. John Nicholson. (Won the second prize in the Engineering / Computer Science Section)
5. *Bayesian Machine Learning and Text Classification*, Anne French, mentored by Dr. John Nicholson.

APSU was well represented at 2013 MAA Southeastern Section Meeting: Dr. Ben Ntatin, Elisha Gollither, Dristin Knight, Dr. Nell Rayburn, Dr. Raman Sahi, Dr. Raman Sahi, Dr. Jim Vandergriff, Anne French, Elizabeth Juelfs, Jordan Taylor attended. Talks: *Practical formative assessment strategies suitable for a hybrid business calculus course*, Dr. Ben Ntatin. *Self-Starting improved Euler for solving the heat equation*, Elizabeth Juelfs, mentored by Dr. Samuel Jator. *Extended backwards differentiation using trig basis for oscillatory problems*, Jordan Taylor, Robert French, mentored by Dr. Samuel Jator. *The mathematics of Bayesian learning models and text classification*, Anne French, mentored by Dr. John Nicholson. Applications to generalized distributions, Kristen Knight, mentored by Dr. Ayman Alzaatreh. *Solving a parabolic PDE using the Laplace transform through the method of lines*, Dodji Kuwonu, mentored by Dr. Samuel Jator. *A higher order method for boundary layer to problems in engineering*, Dr. Raman Sahi.

Congratulations to Kristen Knight, who was named winner of the Patterson Prize at the 2013 annual meetings of the Southeastern Section of the Mathematical Association of America, Winthrop University, SC. Kristen won this award for presenting a paper entitled "*Applications to generalized distributions*", which is part of research she did with Dr. Ayman Alzaatreh.

Earlier this summer Dr. Ben Ntatin, Austin Peay State University associate professor of mathematics, traveled to the Central American nation of Honduras to teach a couple college-level math classes at the Soto Cano Air Base.

APSU was a host site for the Middle Tennessee Region of the 56th Tennessee Mathematics Teachers Association Annual Mathematics Contest for high school students in May. We will once again be a host site for this contest next May. We also host the annual APSU middle school mathematics contest in May of each year, rewarding and encouraging young students to study mathematics. (Submitted by Jim Vandergriff)

The Citadel (Charleston, SC)

The Department of Mathematics and Computer Science hired two new faculty members. Todd Wittman received his Ph.D. under advisor Fadil Santosa at the University of Minnesota. Todd's interest is in image pro-

cessing and he has worked at UCLA and the College of Charleston before joining us at The Citadel. Breeanne Baker just received her Ph.D. from Lehigh University in 2013. Breeanne completed her thesis in Graph Theory under the direction Garth Isaak. We have a new department head as Mei Chen takes over for John Moore, who had served as department head since 2003. John will spend this year on sabbatical. Les Cohn retired; he joined the faculty in 1983. Jean-Marie Pagès also quit his visiting faculty position. He joined the faculty in 1972 and had formally retired some years ago, but continued teaching with a variety of visiting positions.

The department has instituted an undergraduate minor and graduate specialization in Cyber Security. A graduate certificate program in Cyber Security is on its way. A team of 6 computer science majors of our department won 2nd place at the 1st Palmetto Cybersecurity Competition held on the Citadel campus on April 13, 2013.

The department is gearing up for its 3rd year Math Jeopardy competitions on 22 October and 12 November for Citadel upperclassmen and Citadel freshmen, respectively. (Submitted by Dave Trautman)

Clayton State University (Morrow, GA)

The Clayton State Mathematics Department is proud to announce that Christopher Raridan and Elliot Krop were promoted to the rank of Associate Professor of Mathematics and received tenure.

The department continues to have several active and successful undergraduate research groups. Undergraduate student Pritul Patel won the award for best student talk in discrete mathematics at the 92nd Meeting of the Southeastern Section. Shortly thereafter, the work that he and Sarah Minion were completing as part of their Senior Capstone Projects, advised by Christopher Raridan and Elliot Krop, was accepted to be published in the peer-reviewed journal *Bulletin of the Institute of Combinatorics and Its Applications*. Pritul and Sarah are currently employed as full-time mathematics teachers at Martin Luther King Jr. High School (DeKalb County, GA) and have plans to attend graduate school in fall 2014. (Submitted by Catherine Matos)

Clemson University (Clemson, SC)

Following the retirement of long-time chair Dr. Robert Taylor, the Department of Mathematical Sciences at Clemson University welcomed Dr. Jim Coykendall as the new department chair. The department also added eight new assistant professors for the 2013-2014 academic year. Andrew Brown received his Ph.D. in Statistics from the University of Georgia in 2013. His area of research is Bayesian statistics. Qingshan Chen received his Ph.D. in Applied Mathematics from Indiana University in 2009. His area of research is geophysical fluid

dynamics. Timo Heister received his Ph.D. in Science from the University of Göttingen, Germany in 2011. His area of research is finite elements and Navier-Stokes equations. Yingbo Li received her Ph.D. in Statistics from Duke University in 2013. Her research area is Bayesian statistics. Shitao Liu received his Ph.D. in Mathematics from the University of Virginia in 2011. His area of research is inverse problems and control theory for partial differential equations. Xin (Sophie) Liu received her Ph.D. in Statistics and Operations Research from the University of North Carolina – Chapel Hill in 2011. Her area of research is diffusion approximations, stability analysis, and dynamic control for stochastic processing networks. Felice Manganiello received his Ph.D. in Mathematics from the University of Zurich, Switzerland in 2011. His area of research is Coding Theory and Computer Algebra. Ebrahim Nasrabi received his Ph.D. in Mathematics from Technische Universität Berlin in 2009. His area of research is Robust and Stochastic Optimization. The department also hired Dania Zantout as a Visiting Assistant Professor, as well as four new lecturers: Saba al-Kaseasbeh, Mark Batell, Christy Brown, and Brian Dandurand.

Dr. Douglas Shier, professor at Clemson University since 1981, retired this year. He can still be found on campus, since he and his co-author Dr. Marilyn Reba are writing a book entitled “Puzzles, Paradoxes, Problems: An Introduction to Mathematical Thinking.”

Eleven undergraduate students participated in research experiences for undergraduates or internships during the 2013 Summer. Patrick Davidson and Sheena Frey worked as actuarial interns at the Lincoln Financial Group in Greensboro, NC. David Blayton worked as an actuarial intern at Crescom Bank in Myrtle Beach, SC. Megan Bryant participated in the Clemson University RESOLVE Group REU in Clemson, SC. Nathan Heavner participated in an REU on Uncertainty Quantification in High Dimensions at NC State University in Raleigh, NC. Logan Williams worked as an actuarial intern at CV Starr in Midtown, NY. Erica Porter participated in the EUREKA! Summer Program at Clemson University in Clemson, SC. Trey Smith worked as an actuarial intern at Colonial Life in Columbia, SC. Karl Lykken worked as an intern at Los Alamos National Laboratory in Los Alamos, NM. Peter Stewart participated in a REU on Computational Algebraic Geometry, Combinatorics and Number Theory at Clemson University in Clemson, SC. Lastly, Brenden Roberts participated in the Clemson Research Team EVEX/MOSC sounding rocket campaigns from the Reagan Test Site in the Kwajalein Atoll, Republic of the Marshall Islands. Brenden also attended the 2013 USEQIP (Undergraduate School on Experimental Quantum Information Processing) Program at the Institute for Quantum

Computing in Waterloo, Ontario, and he participated in the UC Davis 2013 Physics REU in Davis, CA.

Three undergraduate students recently received awards. Brenden Roberts, a junior majoring in both math and physics, won a \$10,000 scholarship from the Astronaut Scholarship Foundation and was named a Goldwater Scholarship Honorable Mention. Mary Kate Gibbs, a senior math major, and Allegra Simone, a junior math major, won scholarships from the Southeastern Actuaries Conference.

Several events and conferences were held at Clemson University this year. 118 students from 10 high schools participated in the 2nd Annual Practice AP Statistics Exam on April 20, 2013. The Practice AP Statistics Exam is organized by Dr. Ellen Breazel. The 3rd Annual Practice AP Statistics Exam will be given in April 2014. The 10th Annual Clemson Calculus Challenge was held on April 22, 2013 with 283 students from 40 schools participating. The Clemson Calculus Challenge is organized by Drs. Shari Prevost and Terri Johnson. The 11th Annual Clemson Calculus Challenge will be held on April 25, 2014. More information can be found at <https://mthsc.clemson.edu/cc/2014.html>. The Department of Mathematical Sciences also hosted the 4th Annual Southeastern REU Symposium on July 9, 2013. The symposium was organized by Drs. Jim Brown, Anant Godbole, and Kevin James. A NSF-CBMS Regional Conference on Uncertainty Principles in Harmonic Analysis: Gap and Type Problems was held August 12 – 16, 2013. The organizers were Drs. Mishko Mitkovski, Constanze Liaw, and Brett Wick. The 28th Clemson mini-Conference on Discrete Mathematics and Algorithms, organized by Drs. Wayne Goddard and Neil Calkin, was held October 3 - 4, 2013. Lastly, the 1st Annual Southeastern Conference for Undergraduate Women in Mathematics was held October 26 – 27, 2013. The conference was organized by Drs. Jim Brown and Dania Zantout. (Submitted by Meredith Burr)

Duke University (Durham, NC)

Robert Bryant has returned to the Duke math department after 6 years of service as the Director of the Mathematical Sciences Research Institute in Berkeley, CA. Robert joined the department in 1987 as J. M. Kreps Professor of Mathematics and has now been named Philip Griffiths Professor of Mathematics.

Anita Layton and co-PI Tom Pannabecker (Dept of Physiology, U of Arizona) have received a \$1.39 million joint NSF-NIH award to conduct a four-year comparative study on the urine concentrating mechanism of the kidneys of desert and non-desert rodent.

Jianfeng Lu has been awarded a Sloan research fellowship.

Marc Ryser has won the Canadian Math Society 2013 doctoral prize for his thesis *Of Bones and Noise*.

Heekyoung Hahn and Elizabeth Brannon, Professor of Psychology, will conduct a team project entitled *Math before Symbols* under the auspices of the Bass Connections.

The Information Initiative at Duke, an interdisciplinary program to study Big Data, is moving into the top floor of the remodeled Gross Hall. This program is directed by Robert Calderbank. (Submitted by David Kraines)

Elon University (Elon, NC)

The Department of Mathematics and Statistics at Elon University has enjoyed an outstanding year of successful student and faculty achievements.

Our students and faculty gave a total of 23 professional presentations at various national and regional venues including the Joint Math Meetings, MathFest, our section's meeting of the MAA, and USCOTS. They also published a total of 15 research and education papers in a variety of math/stats journals. In addition, 10 faculty members mentored a total of 23 students on undergraduate research projects.

We currently serve 106 majors and 112 minors in our programs, and we graduated 28 majors and 33 minors during the 2012-13 academic year. These numbers are up from last year; 26 and 24, respectively. Additionally, 20 of our students were inducted into national honor societies: 3 into Phi Beta Kappa and 17 into Pi Mu Epsilon.

The following students received external recognition for their research and teaching accomplishments. Alison Miller '14 won the award for best presentation at the 8th Annual Regional Mathematics and Statistics Conference, in Greensboro, NC, last November. Aided by a grant from faculty member Laura Taylor, Amy Zemanick '14 has been accepted into the National Institute of Standards and Technology's Summer Undergraduate Research Forum. Sandra Weiss '13 received the Outstanding Mathematics Education Student award for the central region of the North Carolina Council of Teachers of Mathematics. She is the 15th Elon student to receive this award since its inception in 1986.

Two of our faculty members received external grants this year. Faculty member Crista Arangala was selected as a 2013-14 Fulbright scholar to Sri Lanka. Arangala will teach linear algebra at the University of Colombo. Faculty member Chad Awtrey was awarded a grant from the Center for Undergraduate Research in Mathematics (CURM) to support three Elon students to conduct research with him during the 2013-2014 academic year. CURM is an NSF-funded program that is directed by Michael Dorff of Brigham Young University.

Faculty member Alan Russell has been selected as the new associate director for the Center for the Advancement of Teaching and Learning (CATL) at Elon, beginning in fall 2013. During his four-year appointment, Russell will work with Elon faculty in a professional development capacity to promote engaging, inclusive, and effective teaching and the scholarship of teaching and learning.

Erin Krupa '02 received the Distinguished Alumna Award in Natural, Mathematical and Computing Sciences. This award is given by Elon to one of its graduates each May. Krupa received her master's degree at Wake Forest University and later earned a doctorate in mathematics education at North Carolina State University. She is currently an assistant professor in the Department of Mathematical Sciences at Montclair State University in New Jersey.

The department welcomed its newest member, Mark Gebert, who joined us as a Lecturer in Statistics this fall. Gebert brings with him over 19 years of post-secondary teaching experience, most recently at the University of Kentucky.

We are currently inviting applications for two full-time positions to begin fall 2014; a tenure-track position (Math Education specialty) and a Teaching Post-doc position.

We invite interested parties to visit our department webpage <<http://www.elon.edu/math/>> for more details. (Submitted by Chad Awtrey)

Georgia College (Milledgeville, GA)

Jebessa Mijena joins us as a tenure-track Assistant Professor of Mathematics. Jebessa has a BEd. in Mathematics from Jimma University in Ethiopia, a Masters in Mathematics from Addis Ababa University in Ethiopia, and a Ph.D. in Mathematics from Auburn University. Jebessa comes to us from Auburn University where he has just completed his doctoral program. His research interests are in the areas of probability, stochastic processes, and nonparametric statistics.

Simplice Tchamna-Kouna joins us as a tenure-track Assistant Professor of Mathematics. Simplice has a B.Sc. in Mathematics from the University of Douala in Cameroon, a Masters in Mathematics from the University of Yaounde' in Cameroon, and a Ph.D. in Mathematics from New Mexico State University. Simplice comes to us from New Mexico State University where he has just completed his doctoral program. His research interests are in the areas of commutative algebra and module theory. In addition to his research interests, he also has a strong background in probability and statistics.

Rodica Cazacu was awarded tenure and promoted to the rank of Associate Professor. Ken Flowers was promoted to the rank of Senior Lecturer. (Submitted by Brandon Samples)

Georgia Gwinnett College (Lawrenceville, GA)

As usual, things have been busy for those of us in the Mathematics Discipline at Georgia Gwinnett College. In December of 2012, we graduated our first math majors! This fall, we welcomed new faculty Angi Lively as an Instructor and Dan Prugel as an Assistant Professor while seeing Tee Barron, Keith Erickson, Jeff Hildebrand, and Marty Thomas promoted to the rank of Associate Professor. Terri Edwards became Math's first retiree. Kay J. Mahne, math faculty member at GGC, just published a book in July of this year. The book is titled "Capturing Minds by Capturing Hearts" and offers 40 ways in 40 days to be a better teacher. Its practical workbook style helps you think about and apply the information immediately. The information in this book has been time-tested by the author, who is a forty-year teaching veteran. (Submitted by Amy Erickson)

Georgia Perimeter College, Clarkston Campus (Clarkston, GA)

This fall, we welcomed a new term-to-term instructor, Stacy Thrall, to our department. She came to us from Central Carolina Technical College.

Martha Nega was promoted to Assistant Professor.

Alice Pierce was elected as the Vice Chair of Two-Year Colleges for the MAA Southeastern Section. Clarkston Campus hosted the Fall meeting of the MAA-SE Executive Committee.

Co-PI's Dr. John Weber and Ray Collings, with collaborators Dr. Bill Griffin, Diana McGinnis, Michelle Rockward, and Mohammad Aslam, completed the "Initiative to Improve Instruction in Infinite Series and Sequences at Georgia Perimeter College", a STEM II mini-grant in the academic year 2012-2013.

Last fall, our developmental math program underwent a major redesign. Our developmental math course is now self-paced and web-based and taught in computer classrooms using adaptive software (ALEKS). During the first year, changes were made to the course template, policies, and class activities as a result of comments/complaints from faculty and students. Starting this fall, students that pass the course will not have to take the COMPASS exit exam because data showed that almost all students that took the exit exam were passing it.

The University System of Georgia's Mathematics Engineering Science Achievement (MESA) Conference was held on the Dunwoody Campus of GPC on February 9, 2013. It was organized by Clarkston math professors Martha Nega and Diana McGinnis. Several engineers and professors spoke to the students about their work and the education needed to succeed in the STEM

fields. Our featured speaker was Dr. Ayanna Howard from Georgia Tech who talked about her work in computer science and in robotics.

Twenty-two Peach State Louis Stokes Alliance for Minority Participation (PSLSAMP) students from GPC

attended the Peach State 8th Annual Conference. Eleven of our students presented the results of their summer research at the conference. Three students won awards, and in particular, Joshua Ebin won first place in the Oral Technology and Engineering Category for his presentation on fluid penetration during a manufacturing process.

Clarkston, Decatur, and Dunwoody campuses sent teams to the University of North Georgia Mathematics Tournament (formerly Gainesville State College Mathematics Tournament). GPC came in first place overall and teams from Dunwoody and Decatur placed first and third, respectively, in the Team Competition.

The 27th Annual Georgia Perimeter College Math Conference will be held on Clarkston Campus, February 21-22, 2014. For further information about attending or presenting at the conference, contact chandra.breaux@gpc.edu or go to <http://depts.gpc.edu/~gpcmathc/>.

The DeKalb Early College Academy program at GPC was awarded a grant from the RGK Foundation. One part of the grant is to host the first annual Georgia Early College STEM Challenge Math Competition. All 10 of the early college programs around the state have been invited to participate in the competition. The competition will include a written test that students will take on their various early college campuses, and then an individual ciphering and team problem solving session on the day of the competition at GPC Clarkston Campus on February 22, 2014. (Submitted by Alice Pierce)

Georgia Southern University (Statesboro, GA)

We have two new tenure-track faculty members this year: Assistant Professor of Statistics Tharanga Wickramarachchi (Ph.D. Clemson University), and Assistant Professor of Mathematics Yi Hu (Ph.D. University of Illinois at Urbana-Champaign). Jimmy Solomon retired in December after 18 years' service as Dean of the College of Science and Technology and Professor of Mathematics.

The following members of our department were promoted and/or granted tenure: Hua Wang was granted tenure, Alex Stokolos was promoted to Associate Professor, Anna Oganyan and Yi Lin were granted tenure and promoted to Associate Professor. In addition, Bridgett Lee and Marshall Ransom were promoted to Senior Lecturer. Congratulations to these!

The 25th annual Mathematics Tournament for middle and high school participants was held March 9,

2013 and once again had more than 800 participants. We should be just as successful with this year's tournament which will be held March 8, 2014.

Lisa Yocco received the Georgia Southern University Award for Excellence in Contributions to Instruction. She received one of only two awards given each year and was recognized for her achievement at our fall convocation.

Other faculty achievements include Drew Sills' NSA grant and Xiezhong Li and Yan Wu receiving educational leave. We had 12 students defend their theses and 5 undergraduate students receive departmental scholarships. (Submitted by Pat Humphrey)

Guilford College (Greensboro, NC)

Ben Marlin has been appointed as Chair of Mathematics beginning this academic year (replacing Rudy Gordh who has served as chair for many years). Ben is heading a search for an Assistant Professor of Mathematics (tenure-track) to begin in the fall of 2014. Applications should be submitted at guilford.edu under Employment.

Dani Moran and Brian Sinclair are former Guilford mathematics majors who are teaching on a part-time basis at Guilford while completing Ph. D. mathematics degrees in the new program at the University of North Carolina at Greensboro.

Elwood Parker will be on personal leave during the spring semester of 2014, but will assist with the search for an Assistant Professor.

Rudy Gordh gave a talk "Some Surprises in Higher Dimensions" to the Governor School at Salem College this past summer; and a talk "Generalized Arcs and Cells – Fixed Points, Chaos and Metrization" to the Mathematics Club at UNC-G this fall.

G. Edgar Parker, continues at Guilford College in a second year as Visiting Professor of Mathematics. In June, 2013, he presented the introductory plenary address, *Some Reflections on Issues in Implementing Inquiry-Based Pedagogy in Mathematics*, and a contributed talk, *Finding a Proper Platform for Appropriate Rigor*, in the calculus break-out session at the 16th annual Legacy of R. L. Moore Conference. At the 2013 Joint Meetings in San Diego, he presented an invited talk, *Analyzing Leah Sine and Leah Cosine Through Polynomial Projection*, at the special session on nonlinear oscillations in honor of R. L. Mickens' 70th birthday and a contributed talk, *Moore Method in a Mathematics for Liberal Arts Course*, at the special session sponsored by the journal PRIMUS on using Inquiry-Based Learning in Mathematics for Liberal Arts courses. (Submitted by Rudy Gordh)

Kennesaw State University, (Kennesaw, GA)

New faculty this year are Mr. David Glassmeyer and Dr. Susanna Miller. Dr. Michele DiPietro received tenure, Dr. Belinda Edwards was promoted to Associate Professor and Dr. Kadian Calahan received tenure and was promoted to Associate Professor. Dr. Joe DeMaio began in July as the Interim Chair of the Department in Mathematics and Statistics. In July 2014 the Statistics group will move to their own department. (Submitted by Virginia Watson)

Mercer University (Macon, GA)

The Department of Mathematics has two new visiting assistant professors this fall. Dr. Matthew Noble earned his Ph.D. from Auburn University. His research interests include graph theory, design theory, geometry, and number theory. Dr. Yuanting Lu earned his Ph.D. from Florida State University. His area of research is mathematical biology.

Jay Lanterman and McCabe Olsen are the co-recipients of the 2013 Riley Plymale Award for Excellence in Mathematics. This award is presented to the senior mathematics major whose work has been judged to be exemplary by the mathematics faculty. Both of this year's winners are pursuing graduate studies in mathematics. McCabe is at the University of Kentucky and Jay is at the University of Georgia, where he is the recipient of a Presidential Graduate Fellowship.

The Twenty-Ninth Annual Mercer University High School Mathematics Contest will be held November 16, 2013. More information is available at <http://www.mercer.edu/math/mathcontest/index.html>.

Dr. Carolyn Yackel was an invited speaker at the first biennial Mathematics of Various Entertaining Subjects conference at the new Museum of Mathematics in New York City at the beginning of August. At the Joint Mathematics Meetings in January 2014, she will be co-organizing the third AMS Special Session on Mathematics and Mathematical Education in Fiber Arts.

Dr. Margaret Symington won the Trevor Evans Award, presented at MathFest 2013, for her article, "Euclid Makes the Cut, in the Feb. 2012 issue of *Math Horizons*. (Submitted by Curtis Herink)

Mitchell Community College (Statesville, NC)

The North Carolina Community College System is currently undergoing a Mathematics Curriculum Improvement Project that is updating all of the Mathematics courses in the Combined Course Library. The changes will hopefully improve transferability and simplify the advising process for students taking Mathematics courses. (Submitted by Daniel Breuer)

North Carolina State University (Raleigh, NC)

Assistant Professor Lorena Bociu is giving one

of the four invited addresses at the the Fall 2013 meeting of the Mathematical Association of America's Maryland-DC-Virginia Section on November 1-2. Her topic is "Snowflakes, balloons, and the cardiovascular system." All three phenomena can be modeled as free boundary problems for partial differential equations.

Drexel Professor of Mathematics C. T. (Tim) Kelley was honored on October 10 as Purdue University's 2013 Outstanding Mathematics Alumnus. Kelley is a numerical analyst who works on numerical solution of linear and nonlinear equations, multilevel methods for integral equations, optimal control, large-scale optimization, and flow in porous media. He is Chair of the Society for Industrial and Applied Mathematics (SIAM) Board of Trustees, and Editor-in-Chief of SIAM Review.

Assistant Professor Jonathan Hauenstein is the only mathematician to win a 2013 Young Faculty Award from the Defense Advanced Research Projects Agency (DARPA). These awards are for "rising research stars" working in core technology areas of importance to national security. Hauenstein's award of up to \$500,000 over two years is for the use of numerical algebraic geometry in data analysis. It currently supports a research assistant professor and a graduate student.

Assistant Professor of Mathematics Mark Hoefer has won a National Science Foundation CAREER award. The award, one of NSF's most prestigious for young faculty, is for the analytical, numerical, and experimental study of nonlinear waves in dispersive media, with application to fluid interfaces, ferromagnets, superfluids, and optics. The award will support development of a dispersive shock wave laboratory, which will provide new experimental opportunities for undergraduate and graduate students.

Five NC State faculty members --- Mathematics professors Alun Lloyd, Mette Olufsen, Hien Tran, and Tom Banks, and Statistics professor Kevin Gross --- have been awarded a five-year, \$2.5 million National Science Foundation Research Training Group award to support and train undergraduates, graduate students, and postdocs in key areas of biomathematics. The training involves relating mechanistic mathematical models to biological data through parameter estimation methods, uncertainty quantification, and experimental design. It is a joint effort of the Biomathematics Graduate Program, the Mathematics and Statistics Departments, and the Center for Quantitative Sciences in Biomedicine.

Mathematics faculty Alina Duca and Mansoor Haider are the 2013 winners of NC State's Gertrude Cox Award for Innovative Excellence in Teaching and Learning with Technology. The award recognizes the redesign of MA 341 Applied Differential Equations I by Professors Duca and Haider. The redesign incorporates Moodle, WeBWorK, and Livescribe technologies to

support student-centered learning.

The Mathematical Association of America has chosen NC State Math Ph.D. Rachel Levy, associate professor at Harvey Mudd College, to receive its 2013 Henry L. Alder Award for Distinguished Teaching by a Beginning Faculty Member. The award honors up to three U.S. or Canadian college faculty each year whose teaching "is effective and extraordinary and extends its influence beyond the classroom." In 2010 one of the winners was NC State Math Ph.D. Kathleen Fowler, associate professor at Clarkson University.

NC State Math Ph.D. Sabrina Hessinger, associate professor of mathematics at Armstrong Atlantic State University in Savannah, and her colleagues have used an NSF grant to help thousands of Georgia K-12 teachers to improve their STEM teaching. An article in SCOPE magazine describes her work.

Two Mathematics Department faculty, Sandra Paur and Molly Fenn, have received 2013 NC State teaching awards. Professor Paur was named an Alumni Distinguished Undergraduate Professor. This title is one of the most prestigious awarded by NC State for excellence in teaching. Professor Fenn received an Outstanding Teacher Award.

NC State Math Ph.D. Rachel Levy, associate professor at Harvey Mudd College, tired of hearing people say, "Just explain it like you would to your grandma." She started what Slate magazine calls the "amazing 'Grandma Got STEM' project" to collect the stories of tech-savvy grandmothers who did pioneer work in the sciences and engineering. See the stories and photos, and contribute your own, at ggstem.wordpress.com.

Professor Carl Meyer's work on ranking sports teams has been gaining recognition. The American Institute of Physics featured Meyer's work with his former Ph.D. student Chuck Wessel, assistant professor of mathematics at Gettysburg College, in an Inside Science video. Meyer's book *Who's #1?: The Science of Rating and Ranking* (Princeton University Press, 2012), written with his former postdoc Amy Langville, associate professor of mathematics at the College of Charleston, was the subject of a featured review in the Notices of the American Mathematical Society and another in the SIAM Review. (Submitted by Steve Schecter)

Pellissippi State Community College (Knoxville, TN)

This summer long-time Mathematics Department Dean Dr. Catherine Williams retired, after 25 years with the school. While the search for the new Dean is ongoing, Ms. Judy Fethe is acting as Interim Dean. Ms. Fethe has been in the TBR system for nearly 27 years and at Pellissippi for 25 years.

There have been two additions to the department. Ms. Susan Mosteller has been hired following a long career teaching at the high school level. Ms. Diann

DeJulia has been with Pellissippi State for two years, but this semester moved to the Mathematics Department from the Transitional Studies Department.

Congratulations to Mr. David Fey and Mr. Michael Minic, who were each promoted, to the ranks of Assistant Professor and Associate Professor, respectively. In addition, Dr. Seunghee Lee was awarded tenure. More than 680 students from 42 area schools competed for the honor of being named the top middle school math students in East Tennessee. The 2013 Tennessee Middle School Math Competition, now in its 13th year, was held recently at Pellissippi State Community College and was sponsored by ORAU. During the past 13 years, more than 7,500 middle school students have participated in the program's activities, which seek to keep young students inspired about mathematics. The Pellissippi State Foundation received a \$17,000 grant from ORAU to support the competition, and trophies and gifts were presented to the top 20 students in each grade and to the school with the highest overall score for each grade. The event is coordinated by Pellissippi State Associate Professor Jonathan Lamb.

The PSCC Math Bowl is part of the TMATYC State Math Contest. Each fall, typically more than 100 Pellissippi State Students participate in this multi-school competition. Pellissippi took the team award in the Developmental Algebra Division of the contest. Four of the top fifteen finishers (top 3 in each of 5 categories) were Pellissippi State students. The contest is coordinated by Pellissippi State Associate Professor Bobby Jackson.

Professor Jackson also coordinates the Student Math League contest. The multi-state Student Mathematics League is sponsored by AMATYC. Round 1 is in the fall and Round 2 in the spring. Last year Pellissippi State finished 5th overall in the Southeast standings.

The 2014 AMATYC national conference will be held in Nashville. Pellissippi State Associate Professor Tony Crossland was the winner in AMATYC's contest to design the meeting logo. Associate Professors Bobby Jackson and Amy Tankersley will serve on local events committees for the conference. (Submitted by Judy Fethe)

Roane State Community College (Harriman, TN)

After 41 years, Dr. Larry Bouldin has recently retired from the college. He served as Dean of the Division of Math and Science for the last 10 years, but continued to teach Calculus. In a post-retirement status, he will be teaching a few classes still, but hopes to spend the cold winter months somewhere warm.

Mr. Ben King has been appointed coordinator of the math department. (Submitted by Larry Bouldin)

Sewanee: The University of the South (Sewanee, TN)

Class of 2013 members Erin Brahm and Paul Choi

were this year's recipients of the Senior Hooke Prize in Mathematics. Following graduation, Erin has a National Science Foundation Fellowship in chemistry at University of California at Berkeley, and Paul is doing military service in South Korea. Class of 2015 members Bronte Goodhue and Brandon Miller received the annual Hooke Prize for Achievement in Calculus. Twelve mathematics and computer science majors received their degrees in May 2013.

Georgi Kapitanov, a graduate in the Sewanee class of 2007, gave the Department of Mathematics and Computer Science Homecoming Lecture, "Solving Cancer – an Introduction to Mathematical Biology". He is a visiting assistant professor in the Department of Mathematics at Purdue University.

The 2012-13 Sherwood Ebey Lecture was given by Rayid Ghani of the Sewanee class of 1999 on "The Role of Data Technology, and Analytics in the Presidential Election." Ghani was chief scientist in the Obama for America 2012 campaign, focusing on analytics, technology, and data.

Matthew Rudd received tenure and promotion to the rank of Associate Professor, and Lucia Dale was promoted to the rank of Professor.

Professor Emily Puckette was recognized by the Society of Sewanee Scholars in 2012-13 for her innovative and compassionate approach to teaching and learning.

Professor Linda Lankewicz returned to full-time teaching in the Department following her ten years of service as the University Provost. Her successor as Provost, Professor John Swallow, will teach a calculus course in 2013-14.

Assistant Professor Matthew Rudd directed a summer 2013 research program with undergraduates Elizabeth Corey, David Evans, Brita Brudvig, and Megan Poole.

Associate Professor Doug Drinen and Professor Emily Puckette had leading roles in the development of a college-wide general education system that is new for 2013-14.

The [Bridge Program in Math and Science](#), a three-week residential program for high school students interested in math and science and who could potentially bring diversity to the Sewanee campus as college students, was held in June 2013. Professor Emily Puckette directed its mathematics component. (Submitted by Joel Cunningham)

Southern Polytechnic State University (Marietta, GA)

We hired two Lecturers this Fall. Maury LeBlanc joined our department after graduating from the University of Georgia earlier this year. Keshav Acharya joined us after finishing his doctorate earlier this year at

the University of Oklahoma. (Submitted by Steve Edwards)

University of North Carolina at Chapel Hill (Chapel Hill, NC)

Patrick Short, a senior majoring in applied mathematics and quantitative biology, was awarded a 2013 Goldwater Scholarship as well as the 2013 Bardos Award from the American Association for Cancer Research. Patrick has worked on several research projects, including a sensitivity analysis of a mathematical model of the mitotic spindle, in collaboration with Professor Greg Forest, postdoctoral associate Paula Vasquez, and Professor Kerry Bloom (UNC Biology).

A new undergraduate math club is now forming at UNC-CH! Undergraduate student Anya Katsevich is spearheading the effort.

In Spring 2013, graduate students Andrea Overbay and Reed Ogrosky shared the Math Department Linker Award for effective teaching. Rachel Bayless, our 2012 Linker Award recipient, won a 2013 university-wide Tanner Teaching Assistant Award for Excellence in Undergraduate Teaching.

The Math Department participated in a big way in the April 2013 UNC Science Expo, which enticed local kids into the mathematics of juggling, card tricks, soap bubbles, and a wide variety of fluid dynamics problems.

Ellen Eischen, a number theorist, and Robert Lipschitz, a topologist, joined our department as Assistant Professors in Fall 2012 and Spring 2013.

Professor Richard Rimanyi is our new Director of Undergraduate Studies. Many thanks to Professor Karl Petersen who has served in that role since 2005.

Associate Professor Laura Miller is our new Director of Graduate Studies.

Professor Jane Hawkins is spending the year at the National Science Foundation (NSF) outside of Washington, D.C. on a "rotator position" evaluating research proposals.

Professor Greg Forest has been elected to a two-year term as the new Chair of the SIAM Activity Group on the Life Sciences.

Professor Shrawan Kumar helped secure a new grant for Graduate Assistance in Areas of National Need from the U.S. Department of Education to increase the participation of U.S. citizens, women, and minorities in mathematics doctoral programs. (Submitted by Linda Green)

University of North Carolina Wilmington (Wilmington, NC)

The Mathematics and Statistics Department has been selected to host the Southeastern Regional Meeting of the Mathematical Association of America meeting in

Spring 2015. UNCW has been a key sponsor and Dr. Xin Li a key organizer of the biannual AIMS' International Conference on Dynamical Systems, Differential Equations and Applications. The 2012 AIMS ICDS-DEA was completely organized by UNCW with more than 1300 participants from more than 80 countries. For more info, see <http://aims-sciences.org>. The 2014 conference will be held at Madrid, Spain in July.

Drs. Mark Lammers and Susan Simmons were promoted to Full Professor and Dr. Ginger Rhodes was promoted to Associate Professor. Dr. Russ Herman's textbook, *A Course in Mathematical Methods for Physicists*, was published in December 2013 by CRC Press, Taylor & Francis Group. Dr. Dijana Jakelic spent the majority of her Spring 2013 Research Reassignment at the Max Planck Institute in Bonn, Germany at their invitation. Dr. Wang will have research reappointment during the spring semester of 2014. Dr. Wang is Research Fellow at SAMSI for the 2013-2014 academic year. (Submitted by Russ Herman)

University of North Georgia, Gainesville Campus (Oakwood, GA)

Gainesville State College and North Georgia College merged in January and is now the University of North Georgia. Jerry Graveman is the newly appointed associate department head at the Gainesville campus. The Dahlonega campus will host its annual mathematics tournament for high school students on March 14, 2014 and the Gainesville campus will host its annual 20th mathematics tournament for sophomore level college students on April 5, 2014. Contact Delbert.Greear@ung.edu for more information on the Gainesville Tournament. Brad Bailey, John Holliday, and Dianna Spence have had their paper "K-Resistant Colorings" published in *Congressus Numerantium*. Brad Bailey and Dianna Spence have had their paper "Implementation of Discovery Projects in Statistics" published in the *Journal of Statistics Education*. Gina Reed presented *Mathematics for the Millennial Learner* at the Georgia Perimeter College Mathematics Conference and has 30 years of service and active membership in MAA. Margaret Poitevint has chosen to attend the Division II Faculty Athletics Representatives Advanced Fellows Institute, at the NCAA national office. Dr. Irfan Bagci has joined the Gainesville faculty and Dr. Kathy Hunt is retiring at the end of 2013. (Submitted by Gina Reed)

University of South Carolina (Columbia, SC)

We welcomed three new faculty to our department: Jesse Kass and Matthew Ballard work in algebraic geometry, and Paula Vazquez works in algebraic geometry.

We will be holding a conference "Commutative Algebra and Algebraic Geometry in the Southeast", from November 8-10, 2013. Robin Hartshorne will be the headline speaker.

We will be hosting the 28th Annual High School Math Contest next spring, probably in January or February. Details are to be announced. High school students from anywhere in South Carolina are welcome to participate. (Submitted by Frank Thorne)

University of South Carolina Lancaster (Lancaster, SC)

Congratulations to Dr. Jason Holt and Dr. Andrew Yingst who were granted tenure and promoted to the rank of Associate Professor in July 2013. The Carolina Mathematics Seminar (CMS) will be held on the USC Lancaster campus (<http://usclancaster.sc.edu/>) on March 25, 2014. The CMS is a venue for young and established mathematicians in all fields to share current research by way of 25-minute oral presentations. Lectures that are accessible to undergraduates are encouraged. Presentations by undergraduate and graduate math students are welcome. This seminar provides a positive and encouraging environment in which students may present their work in preparation for presentations at national conferences, for example. Those interested in presenting should submit a title and abstract to Dr. Shemi Alhaddad (alhaddad_math@gmail.com) by Feb 15, 2014. Titles, abstracts, and videos of past seminars are available online at <http://www.macs.citadel.edu/florez/seminar.html>. For more information, please contact Dr. Alhaddad. (Submitted by Shemi Alhaddad)

Wake Forest University (Winston-Salem, NC)

Kenneth Berenhaut and Miaohua Jiang were promoted to the rank of Full Professor. Jennifer Erway was awarded tenure and promoted to Associate Professor. Last January Matt Mastin joined our faculty as a Teacher-Scholar postdoc; he received his Ph.D. from University of Georgia and works in topology. James Kuzmanovich will retire in December 2013 after serving 40.5 years at Wake Forest, and Robert Plemmons retired in May 2013 after 23 years of service. Professor Emeritus Jack Sawyer passed away in June 2013.

Several members of our faculty received Wake Forest awards. Sarah Mason and Jeremy Rouse were named Sterge Faculty Fellows. Sarah Mason also received one of five awards given by Wake Forest's Teaching and Learning Center for innovative teaching; she designed a Freshmen Seminar that uses mathematics to evaluate sustainability claims. Hugh Howards was named a Gale Family Faculty Fellow, a college-wide award. Sarah Raynor was awarded a research leave for

the academic year; part of her time is spent at UNC-Chapel Hill. Research leaves were also awarded to Sarah Mason for the full year, and to James Norris for the fall semester. While Sarah Raynor is on a research leave, Miaohua Jiang serves as Associate Chair. Robert Plemmons has been named a Fellow of the SIAM, and Ellen Kirkman has been named a Fellow of the AMS.

Wake Forest's 2013-4 Gentry Lecturer is Professor L.N. (Nick) Trefethen FRS, Professor of Numerical Analysis at Oxford University, and Global Distinguished Professor at NYU. Professor Trefethen will give lectures at Wake Forest on April 1 and 2, 2014. (Submitted by Ellen Kirkman)

Winthrop University (Rock Hill, SC)

Joe Rusinko was promoted to the rank of Associate Professor and received Winthrop University's Outstanding Junior Professor Award. Tom Polaski is now Chair of the Mathematics Department. Trent Kull was named Winthrop University's newest Thompson Scholar. Frank Pullano received the Lynn Harand Outstanding Advising Award.

Drs. Joe Rusinko and Zach Abernathy received funding to host a National Research Experience for Undergraduates Program. This summer program, funded by the NSF and MAA, provided a seven week research experience in cancer modeling for three Winthrop undergraduates and one Western Carolina undergraduate from underrepresented groups in mathematics. Their work will be presented at the MAA-SE conference in March.

Recent graduate Matthew Neal has been chosen as one of three student teachers for a clinical experience in Shanghai, China.

Winthrop had a wonderful time hosting the MAA Southeastern Sectional Meeting March 14-16, 2013. (Submitted by Kristen Abernathy)



CALL FOR NOMINATIONS FOR THE MAA-SE AWARD FOR DISTINGUISHED TEACHING BY A BEGINNING COLLEGE OR UNIVERSITY MATHEMATICS FACULTY MEMBER

COMPLETE NOMINATION PROCESS

Brief Description: The MAA Southeastern Section (MAASE) established this award to honor beginning college or university faculty whose teaching in the Section has been extraordinarily successful and whose effectiveness in teaching undergraduate mathematics is shown to have influence beyond their own classrooms. An awardee must have taught full time in a mathematical science in the Southeastern Section for at least two years, but not more than a total of seven years in any collegiate institution. Each year at most one college or university teacher is to be honored with this MAASE section award. Nominations for the award may be made by any member of the MAASE section.

A complete nomination packet should consist of a nomination form, a narrative, additional documentation, and letters of recommendation as described below. Please mail, fax or email the completed packet to arrive by Saturday, December 31, 2013 to:

Ron Taylor
Department of Mathematics & Computer Science
Berry College
Mount Berry, GA 30149

Questions may be directed to Ron at rtaylor@berry.edu or at 706-290-2677.

Eligibility and Guidelines for Nomination

Eligibility

Teaching is intended to include classroom instruction as well as activities outside the classroom, such as working with student groups, preparing students for mathematical competitions, directing undergraduate students in research in mathematics, directing students in the preparation of honors theses, preparing teaching materials used by others, etc.

Nominees must:

- Hold the terminal degree required by SACS to be a full time faculty member in a collegiate institution,
- Be college or university teachers currently in the MAA-SE who have taught full time in a mathematical science in the Southeastern Section for at least two years, but not more than a total of seven years in any collegiate institution (In determining eligibility, we do not count time spent in a postdoctoral position where nearly all the nominee's time was spent on research, and the nominee did very little or no teaching (e. g. three semester courses a year or less).), and
- Hold membership in the Mathematical Association of America

Guidelines for nomination

Nominees for the award may be made by any member of the MAA-SE section.

Nominees should:

- Be recognized as extraordinarily successful in their teaching
- Have effectiveness in teaching undergraduate mathematics that can be documented
- Have had influence in their teaching beyond their own classrooms



A nomination for this award should consist only of the materials requested below, and should not include any other materials, such as curricula vitae or other items. Please prepare all nomination materials on one side only of 8.5 by 11 inch paper, with a type size no smaller than 12 points (pica).

Nomination Packet:

Nomination Form

A completed **Nomination Form** is the first part of the packet. Please see Page 24 of this newsletter for the nomination form.

Narrative

Please describe the nominee's extraordinary success in teaching by providing a narrative of the nominee's background, experience, teaching style, special contributions, other teaching awards, and any additional evidence of the nominee's unusual achievement in teaching. Note especially effectiveness in teaching undergraduate mathematics and influence beyond the nominee's own classrooms. The narrative should not exceed five double-spaced pages.

Additional Documentation

Please submit no more than three pages of further evidence to document the nominee's extraordinary teaching success. This documentation will vary greatly from institution to institution, but may include summaries of peer or student evaluations, comments on teaching, possible increases in numbers of majors in mathematics (with clear evidence of the nominee's substantial responsibility for them), possible student success in mathematics competitions (with clear evidence of the nominee's substantial responsibility for them), success in research in mathematics conducted by undergraduate students under the direction of the nominee, production of superior quality honors theses by undergraduate students under the direction of the nominee, development of curricular materials successfully used by colleagues, adoption of the nominee's teaching methods or techniques by experienced colleagues, service as a respected adviser for a student group, etc.

Nominators should bear in mind that the selection committee might view a nomination more positively if it is accompanied not just by carefully chosen testimonials from a few selected students and faculty, but also by reports, comments and criticism which is representative of the whole spectrum of opinion among students and faculty on the nominee's teaching.

Letters of Recommendation

Please include no more than five letters of recommendation, as follows:

- Two letters from the nominee's present or former students.
- Two letters from the nominee's colleagues (one of whom could be the department chair).

One additional letter from any one qualified to comment on the nominee's extraordinary teaching success.



MAASE Award for Distinguished Teaching by a Beginning College or University Mathematics Faculty Member

NOMINATION FORM
To be submitted by December 31, 2013

PLEASE TYPE

Nominee's Name (First name first):	
College or University Affiliation:	
College or University Address:	
Nominee's email address:	
Is the nominee a current member of the Mathematical Association of America? (only members of the MAA are eligible for the Award)	Year joined _____
Nominee's number of years teaching experience in a mathematical science (at least two years, not more than seven)	Number _____ Year _____ to Year _____
Graduate Degree earned in mathematical sciences:	Degree _____ Area of Specialty _____
List the years and where the nominee taught full time in a mathematical science in the Southeastern Section (at least two needed)	Years _____ Location _____

Please describe on no more than one page of 12 point type, double-spaced, the unusual personal and professional qualities of the nominee that contribute to his or her extraordinary teaching success, and attach.

Name of nominator (First name first):	
Address:	
Telephone:	
Email address:	
Signature:	
Date:	/ / /

CALL FOR NOMINATIONS FOR THE 2012 SOUTHEASTERN SECTION DISTINGUISHED TEACHING AWARD

Nominations for the 2014 Southeastern Section Award for Distinguished College or University Teaching of Mathematics are now being accepted. The Southeastern Section selection committee will choose the winner of this award from the pool of nominees, and the winner will be honored at the Spring 2014 meeting of the Section at Clayton State University, Atlanta, GA. The winner will also be widely recognized and acknowledged within the Section and will be the Section's official candidate for one of the three Deborah and Franklin Tepper Haimo

Awards for Distinguished College or University Teaching of Mathematics that will be presented in August 2014.

Nomination materials and a description of the complete nomination packet can be found in the next two pages. Each member of the Section is encouraged to consider submitting a nomination to **Jeff Knisley** (knisleyj@etsu.edu and see the instructions), chair of the selection committee. If you wish to nominate someone, please submit a complete nomination packet by **December 1, 2013**. Nomination packets for persons nominated for the 2013 award may be carried forward for consideration for the 2014 award, if the nominator so desires. The selection committee will contact nominators to determine whether they wish to submit a revised nomination to the selection committee.

Previous Teaching Award Recipients:

The section has presented the Award for Distinguished College or University Teaching of Mathematics each year since 1992. Past recipients are:

- 1992 Anne Hudson, Armstrong State University
- 1993 Robert Bryant, Duke University
- 1994 John Neff, Georgia Institute of Technology
- 1995 Sylvia Bozeman, Spelman College
- 1996 Carl Pomerance, University of Georgia
- 1997 Harold Reiter, Univ. of North Carolina at Charlotte
- 1998 Ben Klein, Davidson College
- 1999 Joel Brawley, Clemson University
- 2000 Theodore Shifrin, University of Georgia
- 2001 Johnny Henderson, Auburn University
- 2002 Ronald Harshbarger, University of South Carolina, Beaufort
- 2003 Sue E. Goodman, University of North Carolina, Chapel Hill
- 2004 Jeff R. Knisley, East Tennessee State University
- 2005 David Stone, Georgia Southern University
- 2006 William "Mac" Priestly, the University of the South
- 2007 David Sumner, University of South Carolina, Columbia
- 2008 Ronald Gould, Emory University
- 2009 Hugh Howards, Wake Forest University
- 2010 Martin Jones, University of Charleston
- 2011 Barry Spieler, Birmingham-Southern College
- 2012 Sam Kaplan, University of North Carolina at Asheville
- 2013 Ron Taylor, Berry College

**Award for Distinguished College or University Teaching of Mathematics
Nomination Form**

Please type.

Nominee's Name (first name first): _____

College or University Affiliation: _____

College or University Address: _____

City: State: ZIP: _____

Nominee's number of years teaching experience in a mathematical science: _____

Has the nominee taught at least half time in a mathematical science during the current academic year or during the previous year if on approved leave or sabbatical? ____

In the space below, please describe briefly the unusual personal and professional qualities of the nominee that contribute to his or her extraordinary teaching success.

Name of nominator (first name first): _____

Address of nominator: _____

Telephone: _____ Email: _____

Nominator's Signature: _____ Date: _____

**Directions for a complete nomination packet
that demonstrates evidence of extraordinary success in teaching**

(<http://www.maa.org/programs/maa-awards/teaching-awards/haimo-award-distinguished-teaching>)

A nomination for this award should consist only of the materials requested below, and should not include any other materials such as curricula vitae or other items. Please prepare all application materials on one side only of 8.5 x 11 inch paper, with a type size no smaller than 12 points (pica).

A complete application should contain the following items:

- *Nomination Form*: A completed Nomination Form is the first page of the application.
- *Narrative*: Please describe the nominee's extraordinary success in teaching by providing a narrative of the nominee's background, experience, teaching style, special contributions, other teaching awards, and any additional evidence of the nominee's unusual achievement in teaching. Please limit this portion to no more than five double spaced pages.
- *Additional Documentation*: Please submit no more than three pages of evidence to document the nominee's extraordinary teaching success. This documentation will vary greatly from institution to institution but may include summaries of peer or student evaluations, comments on teaching, possible increases in numbers of undergraduate or graduate degrees given in mathematics (with clear evidence of the nominee's substantial responsibility for them), possible student successes in mathematics competitions (with clear evidence of the nominee's substantial responsibility for them), etc.

Nominators should bear in mind that the National Selection Committee might view a nomination more positively if it is accompanied not just by carefully chosen testimonials from a few selected students and faculty, but also by some unfiltered input that is more representative of the whole spectrum of opinion among students and faculty.

- *Letters of Recommendation*: Please include no more than five letters of recommendation of no more than one page each, as follows.
 - ___ Two letters from the nominee's present or former students.
 - ___ Two letters from the nominee's colleagues (one of whom could be the department chair).
 - ___ One additional letter from anyone qualified to comment on the nominee's extraordinary teaching success.

Note: If the nomination packet significantly exceeds the prescribed limits above, it will not be eligible for consideration for a national award.

Send to: Dr. Jeff Knisley, (knisleyj@etsu.edu), (423) 439-4349
Box 70663, Department of Mathematics and Statistics, ETSU, Johnson City, TN 37614-0663

We're willing to help! If you would like assistance, please contact Dr. Knisley before December 1.

Ninety-third Annual Meeting
Mathematical Association of America, Southeastern Section
Tennessee Technological University

Friday – Saturday, March 14-15, 2014

Meeting Announcement: The ninety-third annual meeting of the Southeastern Section of the Mathematical Association of America will be held on Friday and Saturday, March 14 - 15, 2014 at Tennessee Technological University in Cookeville, TN. The Association invites all interested persons to participate and asks that department chairpersons, faculty, and members of the Section help in publicizing the meeting. Attendees may pre-register (and pay!) online through the meeting website at <http://sections.maa.org/southeastern/maase/conference2014/>. On-site registration will also be available. Up-to-date information about the conference (program, registration, accommodations, transportation, etc.) is maintained at the conference web site, which is also accessible through the Section web site <http://sections.maa.org/southeastern/maase/>.

General Sessions: There will be three general sessions with four speakers on Friday and Saturday

- **Ron Taylor**, Berry College, 2013 Section Teaching Award Recipient and **Yuliya Babenko**, Kenesaw State University, 2013 Section Teaching Award for Beginning Faculty Recipient
- **Harold Reiter**, University of North Carolina at Charlotte, 2013-2014 Section Lecturer
- **Robert Devaney**, Boston University and MAA President

General sessions will be held in the Bryan Fine Arts Building.

Short Courses and Workshops: There are two excellent workshops available on Friday morning at no additional fee, for which participants must preregister. These are:

- *Computer-Based Precalculus and Calculus*, Francesco Strazzullo (Reinhardt University)
- *Graduate Student Career Development Workshop*, TBA

A fuller description of the workshops, including abstracts, is given at the end of this announcement as well as on the conference web site.

Call For Contributed Papers: The officers of the Section invite and encourage submission of titles and abstracts for fifteen-minute (20 minutes between the start of one talk to the start of the next) contributed papers in all areas of mathematics by college and university faculty, graduate students, undergraduates, and others. **Due to the growth in both student and professional papers, there will be contributed papers sessions and special sessions for undergraduates Friday morning.** With this expansion, we hope to better utilize the Friday morning time period for all attendees. Abstract submissions can be made through the meeting website beginning in December or by sending the information to the Program Chair (Sarah Raynor, raynorsg@wfu.edu). The abstract submission deadline is **Monday, February 3, 2014**. It will be very helpful if individuals submit their information in advance of this deadline. Talks will be scheduled in concurrent sessions and organized, to the extent possible, by the general mathematical area indicated by the abstract. There will also be several special sessions (descriptions are included in this Newsletter) for selected mathematical areas:

Continued on page 35

Meeting Information (continued from page 28)

Special Session on Critiqued Presentations by Graduate Students. Organizer, Joseph Rusinko (Winthrop University)

Special Session on Lessons Learned from the Virtual Classroom. Organizer, Carl Yerger (Davidson College)

Special Session on the Pedagogy of Probability and Statistics Courses. Organizer, Keshav Jagannathan (Coastal Carolina University)

Special Session on Presentations by Beginning Faculty. Organizer, Karen O'Hara (High Point University)

Special Session on the Teaching of Courses in the First Two Years of College. Organizer, Alice Pierce (Georgia Perimeter College)

Special session on Writing in Mathematics. Organizer, Emily Braley (Duke University)

Guidelines for Titles and Abstracts: Abstracts are expected to deal with theory, application, teaching, history, or philosophy of mathematical sciences; they should indicate what the presenter intends to communicate in the allotted time. For multiple authors, the presenting author's name should be clearly designated; please identify undergraduate and graduate student presenters/authors. The use of special symbols should be considered judiciously; however, if an abstract includes LaTeX formatting, this can be rendered when compiling the abstracts for publication.

Undergraduate Poster Session: Students are encouraged to present research and results of special projects in poster format. The session is scheduled for Saturday morning, concurrent with contributed talks. Abstracts should be submitted through the meeting website no later than **Monday, February 3, 2014** to ensure that space will be available for your poster. Contact organizer Christopher Raridan (<mailto:christopherraridan@clayton.edu>) if you need additional information.

Math Jeopardy Contest: Teams of three or four undergraduates will compete in a mathematical version of the well-known answer-and-question game. Competition is limited. There is a \$25.00 registration fee for each team. *This fee can be paid with the sponsor's meeting registration.* Topics will include calculus (single and multi-variable), linear algebra, differential equations, and discrete mathematics. The preliminary rounds for Math Jeopardy will be scheduled on Friday morning from 8:00-12:00. To register team members so their names may be included in the program, or to find out more, contact Ron Taylor (rtaylor@berry.edu). *There is a limit of 36 teams; schools will initially be limited to one team. If fewer than 36 teams register by the deadline, schools may register additional teams.*

Project NExT-SE: Project NExT-SE (New Experiences in Teaching) is the Southeastern MAA Section's version of the national program for new and recent PhD's in mathematical sciences interested in improving the learning and teaching of undergraduate mathematics. All national and section Project NExT members are always invited to attend! Activities are planned for Thursday afternoon (beginning about 2:00 pm) and Friday morning. Contact Karen O'Hara (kohara@highpoint.edu) for more information.

Treasure Hunt: On Thursday evening (March 14), there will be a Mathematics Treasure Hunt for students and their advisors. Students will use mathematics to solve clues and look for a "treasure." This is a fun, non-competitive event that will give students an opportunity to meet and work with students from other colleges and universities. It is also greatly appreciated if math club advisors would be willing to help at this event. If you have any questions or would like to volunteer to help, please contact Julia Barnes (jbarnes@email.wcu.edu). Check-in is between 7:00pm and 7:30pm in the lobby of the Digorgio Campus Center with the event starting at 7:30pm.

Graduate School and Career Fair: In this venue, students considering graduate school in mathematical sciences have opportunities to meet with representatives of various graduate programs. In addition, those seeking jobs in industry, business or government in the mathematical sciences can meet with potential employers. Faculty mentors are also welcome. Pizza will be served free to students, and a raffle will be held for students visiting the exhibits. Representatives of graduate programs should contact Joseph Rusinko (rusinkoj@winthrop.edu) for more information, if needed. The \$25 table fee can be paid with conference registration through the website.

Math T-shirt Contest:

The best mathematics T-shirt at the meeting will be recognized with an announcement, a certificate, and a featured picture in the fall newsletter. Get your Math Club organized now for a great T-shirt in the spring.

Chairpersons' Meeting and Liaisons' Luncheon: The Chairpersons' meeting, scheduled for Saturday morning, is an opportunity for discussion of issues confronting the departments. Jeff Knisley (knisleyj@mail.etsu.edu) will convene the Chairpersons. MAA Liaisons will meet at lunch time on Friday, convened by Section Governor Martha Abell (martha@georgiasouthern.edu). A box lunch will be provided for those liaisons attending. Please e-mail Trent Kull (kullt@winthrop.edu) by February 15 if you are planning on attending.

Exhibits: On Friday afternoon and Saturday morning, representatives of publishing companies and other vendors will have exhibits in the lobby of the Bryan Fine Arts Building.

Friday Evening Events: Tickets (approximately \$25) for the conference dinner will be available for purchase at the time of online registration. Musical entertainment will be provided at the banquet.

Pre-Registration: Pre-registration for the meeting through the conference website <http://sections.maa.org/southeastern/maase/conference2014/> is encouraged; on-site registration and materials pick up will be available in the lobby of the Bryan Fine Arts Center on Thursday 2:00 - 3:30 PM and 6:15 - 8:30 PM; Friday 7:00 AM - 5:00 PM; and Saturday 7:30 - 10:30 AM.

Fees	Pre-registered	After March 1
Faculty meeting registration	\$25	\$35
College/university students, emeritus faculty	\$15	\$15
High school teachers	\$15	\$20
High school students	free	free
Conference Dinner	\$25 (approx.)	
Workshops	free (but preregistration required)	

Hotel Information: For more current hotel information, please check out the information posted at <http://sections.maa.org/southeastern/maase/conference/>. Participants should make their own arrangements directly with a hotel of their choice and be sure to mention that you will be attending MAA-SE. Rooms are blocked in hotels listed below, all within 10 - 15 minute drive of the campus for Thursday, Friday and Saturday, March 13-15. Reservations deadline varies with hotel as noted below. Prices are Plus Tax. Other types of rooms (king bed, suites, etc.) are available at the La Quinta, Baymont, Best Western, Days Inn, and America's Best Value Inn. Ask the hotel for those rates if you are interested.

Hotel Name	General location	Cost per night double queen	Reserve by...
Fairfield Inn & Suites	Near I40, Exit 287*	\$99	March 1
Holiday Inn Express	Near I40, Exit 287*	\$90	Unknown
La Quinta	Near I40, Exit 287*	\$80	February 1
Baymont Inn & Suites	Near I40, Exit 287*	\$78	February 27
Comfort Suites, Comfort Inn & Suites	Near I40, Exit 287*	\$70, \$65	February 13
Clarion Inn	Near I40, Exit 287*	\$60	February 13
Best Western	Near I40, Exit 287*	\$55.95	February 27
Days Inn	Near I40, Exit 287*	\$55	March 1
America's Best Value Inn	Near I40, Exit 287*	\$49.95	March 6

*About a 10 minute drive from campus

Transportation and Directions

The conference will take place at Tennessee Tech University, off I-40. Cookeville is about 80 miles east of Nashville, 100 miles west of Knoxville, and 90 miles north of Chattanooga (via TN 111). Detailed directions from various locations in the Section will appear on the meeting website.

Updates: Updates to this announcement and ultimately a tentative schedule of talks will appear on the conference web page, which is accessible through the section web page.

Student Activities

MAA SE Section Meeting

March 13-15, 2014



Undergraduate Student Research Posters and Talks

Poster Session Saturday morning
Talks throughout meeting

Present your research in a talk or with a poster. Abstracts for talks and posters can be submitted through the meeting web site. Prizes will be awarded for best talks and posters.

Graduate School & Career Fair

Friday noon

Is graduate school in your future? Need a job? Meet with representatives of graduate programs and employers.

- Pizza lunch (free for students)
- Networking
- Door prize raffle for students



Distinguished Lectures for Students

Friday morning

Ted Shifrin (University of Georgia)

Judy Day (University of Tennessee Knoxville)

Math Jeopardy

Preliminary and
semifinal rounds
Friday morning

Finals Saturday
noon

Teams of 3-4 under-
graduate students

compete in this classic game, with clever questions (oops, answers) from calculus and other courses in the first two years of the mathematics curriculum. Register in advance by contacting Ron Taylor (rtaylor@berry.edu)



Math T-shirt Contest

Show off your geek chic. A prize will be awarded to the undergraduate math club or Jeopardy team with the best mathematically-themed T-shirt. Pictures will be taken following the second general session on Friday.

Treasure Hunt

Thursday evening

Arrive early to the meeting for fun activities and mathematical puzzles. Meet students from all over the Southeastern Section of the MAA. Contact Julie Barnes (jbarnes@email.wcu.edu) to participate.



2013 Section Meeting Special Sessions

Special Session on Critiqued Presentations by Graduate Students. Organizer, Joseph Rusinko.

Abstract: Graduate students are encouraged to give a talk at any level (research or expository). A panel of faculty from a diverse range of institutions will provide constructive feedback. Participants are encouraged to practice potential job talks in a supportive environment.

Special Session on Lessons Learned from the Virtual Classroom. Organizer, Carl Yerger.

Abstract: One recent trend in education is the growth of online resources, courses and programs. The goal of this session is for speakers to share interesting ideas and experiences from their online courses. Speakers in this special session would discuss aspects of their work related to teaching a course entirely or almost entirely online. Narratives could describe pedagogical or technological techniques or processes that have worked well (or techniques to be avoided in the future) in this setting. Speakers might also discuss how an instructor's online teaching experience has affected how they teach in the non-virtual classroom.

Special Session on the Pedagogy of Probability and Statistics Courses. Organizer, Keshav Jagannathan.

Abstract: This special session on probability and statistics will focus on various pedagogies utilized in teaching probability and statistics at the undergraduate level. Talks in this session may discuss the implementation of and/or research conducted on the various methodologies.

Special Session on Presentations by Beginning Faculty. Organizer, Karen O'Hara.

Abstract: This session is dedicated to newcomers to our section, especially those in the first few years of their career. This is also a great opportunity for the newer members to meet each other and make connections.

Special Session on the Teaching of Courses in the First Two Years of College. Organizer, Alice Pierce.

Abstract: The focus of the presentations in this session will be the teaching of courses at two-year colleges and the first two years at four-year institutions. The courses range from Developmental Mathematics to Calculus which includes Quantitative Literacy, Math Education, and Introductory Statistics. Presenters will share best practices, class activities, and course changes/redesign at their institution or state.

Special session on Writing in Mathematics. Organizer, Emily Braley.

Abstract: Writing in mathematics courses has become more popular over the course of the past 20 years. Writing helps students develop their own understanding and intuition and provides an opportunity for students to become more engaged and active learners. That being said, it can still be challenging to give writing assignments that students are willing to engage with in such a way that they achieve instructors' goals. How can we get students to see these assignments as an opportunity? In this session speakers will address different types of writing used in their courses, how to get student buy-in, and the benefits and challenges of using writing in mathematics courses.

2013 Section Meeting Workshops

Francesco Strazzullo, **Workshop on Computer-Based Precalculus and Calculus.**

Abstract: College Algebra students use Wolfram Alpha to complete their homework. Shouldn't we use computers to explore, understand, and apply Calculus concepts? Algebraic manipulations or trigonometric formulas are often the biggest burden of a Calculus course. Learning how to overcome these burdens by using computer algebra systems and graphing softwares in a Precalculus course should improve the learning experience in a Calculus course.

During this workshop some of the graphic and symbolic tools offered by GeoGebra will be presented then used by attendees. A "non-standard" syllabus for Calculus I, using the "local linearity" approach, will be discussed.

Presenter TBA, **Graduate Student Career Development Workshop**

Abstract: Strong job candidates can document excellence in scholarship, teaching and service. In this workshop we will provide resources for strengthening your performance in each of these areas, and discuss how to best document your successes. Participants are asked to submit an abstract for the graduate student presentation session.

SOUTHEASTERN SECTION OFFICERS 2012-2013

Chair:	Queen Harris (Georgia Perimeter College) Queen.Harris@gpc.edu
Past Chair:	Jeff Knisley (East Tennessee State University) knisleyj@etsu.edu
Vice-Chair For Two-Year Colleges:	Alice Pierce (Georgia Perimeter College) Alice.Pierce@gpc.edu
Secretary-Treasurer:	Emily Hynds (Samford University) eahynds@samford.edu
Section Governor:	Martha Abell (Georgia Southern University) martha@georgiasouthern.edu
Section Lecturer:	Harold Reiter (University of North Carolina Charlotte) hbreiter@uncc.edu
Newsletter Editor:	Kristen Abernathy (Winthrop University) abernathyk@winthrop.edu
Program Chair:	Sarah Raynor (Wake Forest University) raynorsg@wfu.edu
Student Activities Coordinator:	Joseph Rusinko (Winthrop University) rusinkoj@winthrop.edu
Beginning Faculty Coordinator:	Ron Taylor (Berry College) rtaylor@berry.edu
State Director of Alabama:	Bernie Mullins (Birmingham-Southern University) bmullins@bsc.edu
State Director of Georgia:	Karen Briggs (University of North Georgia) karen.briggs@ung.edu
State Director of North Carolina:	Patrick Bahls (University of North Carolina, Asheville) patrick.bahls@gmail.com
State Director of South Carolina:	Jim Solazzo (Coastal Carolina University) jsolazzo@coastal.edu
State Director of Tennessee:	Andy Miller (Belmont University) andrew.miller@belmont.edu
Webmaster:	Jim Gleason (The University of Alabama) jgleason@as.ua.edu
Historian:	Virginia Watson (Kennesaw State University) vwatson@kennesaw.edu
Directors of Project NeXt-SE:	Patrick Bahls (University of North Carolina, Asheville), Karen O'Hara (High Point University), and Ron Taylor (Berry College) pbahls@unca.edu , kohara@highpoint.edu , rtaylor@berry.edu (respectively)

MAA SOUTHEASTERN SECTION COMMITTEES **2012-2013**

Section Teaching Award:	Sam Kaplan Barry Spieler Ron Taylor State Directors
Section Service Award:	Ellen Kirkman (Chair) Ray Collings Walt Patterson Charlotte Knotts-Zides Bruce Atkinson Jim Vandergriff
Nominations:	Jeff Knisley (Chair) Ellen Kirkman Jim Gleason Pat Humphrey Antara Mukherjee
Site Selection:	Jim Gleason Cathie Matos Trent Kull

Southeastern Section MAA Website
<http://sections.maa.org/southeastern/maase/>