

# *NEWSLETTER*



## **OKLAHOMA/ARKANSAS SECTION**

Volume 34, February 2013

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### ***Newsletter Sponsors***

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**PhD in Mathematics.** This degree combines in-depth study in mathematical fields such as applied analysis, numerical analysis, probability and statistics, with the opportunity for interdisciplinary research in engineering, computer science, bioinformatics, neuroscience, finance, and mathematical physics. Graduates of the doctoral program will be well suited for interdisciplinary research positions in industrial and government laboratories as well as traditional teaching and research positions in universities.

**Assistantships and Fellowships.** Competitive teaching and research assistantships provide stipends and tuition waivers for qualified students at the MS and the PhD level. To be admitted to the PhD program, students must show exceptional promise to do independent research in mathematics in a field consistent with the research interests of current mathematics faculty and/or faculty in related disciplines.

### **For further information, contact one of the following:**

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# Graduate Study in Mathematics

The Graduate Program in the Department of Mathematics at Oklahoma State University offers the following two degrees:

- The MASTER OF SCIENCE (M.S.) degree with three options (areas of specialization):
  - ❖ Computational and Applied Mathematics
  - ❖ Mathematics Education
  - ❖ Pure Mathematics
- The DOCTOR OF PHILOSOPHY (Ph.D.) degree with three options (areas of specialization):
  - ❖ Applied Mathematics
  - ❖ Mathematics Education
  - ❖ Pure Mathematics

Oklahoma State University is located in Stillwater, Oklahoma, a comfortable college town of 50,000, approximately 70 miles north of Oklahoma City and 70 miles east of Tulsa. At OSU, you will also find world-renowned faculty leading their fields as they develop the next generation of experts. You will also find a strong emphasis on teaching. In fact, in 2013-2014, we expect to support over 40 graduate students with teaching assistantships as they pursue their degrees.

Please visit our website

[http://www.math.okstate.edu/grad\\_degree\\_programs](http://www.math.okstate.edu/grad_degree_programs) to learn more about our programs and how to apply. You will also find information there about the financial assistance we offer.

For more information, please email your questions to Professor Birne Binegar, Director of Math Graduate Studies, whose address is [graddir@math.okstate.edu](mailto:graddir@math.okstate.edu).

## **Section Governance**

### **Oklahoma-Arkansas Section Officers**

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Ron Smith, 2nd vice-chair  
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Jill Guerra

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Carolyn Eoff (chair)

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David Wright  
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Carolyn Eoff

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Jack Jackson  
Ramesh Garimella

### **Faculty workshop Committee**

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Charlotte Simmons

### **N.A. Court Committee**

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### **Oklahoma Teacher Award Committee**

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Mary Harper

### **Resolutions Committee**

Steve Hennagin  
Anita Walker  
Douglas Aichele  
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### **Section NEXt**

Jill Guerra

### **Site Selection Committee**

Sarah Marsh  
Myron Rigsby  
Darryl Linde

### **Student Activities Committee**

Scott McClendon  
Fred Worth  
John Diamantopoulos

Section Governance continued on the next page.

**Executive Committee Nominating  
Committee**

Nicholas Zoller  
Michael Dougherty  
Thomas McMillan

**Student workshop Committee**

Mahdi Asgari (chair)  
Michael Lloyd  
Thomas Milligan

***Distinguished College/University Teacher of 2012!***

**David Gardner**, associate professor of mathematics at Henderson, received the Distinguished College or University Teacher of Mathematics Award during the Oklahoma-Arkansas Section of the Mathematical Association of America's annual meeting held March 29-31 at Henderson.

Gardner will retire from Henderson at the end of the current semester following a teaching career that has spanned four decades. He began teaching at Henderson in 1983.

"David has built a reputation as an excellent teacher both for regular university classes and for workshops for in-service teachers in the region," said Dr. **Carolyn Eoff**, professor and chair of Henderson's Department of Mathematics and Computer Science. "While his skill as a teacher is almost legend on campus, David was officially recognized in recent years by being awarded a university Excellence in Teaching award.

"David seems to have a knack for making mathematics relevant and interesting to a wide spectrum of students," Eoff said. "Even after many years of teaching mathematics, he continues to possess an energetic enjoyment of teaching that is contagious."

Gardner's impact on mathematics education extends well beyond the Henderson campus. He has conducted numerous in-service workshops for teachers, and has given many presentations at meetings of professional mathematics organizations. He was part of the group that launched the Arkansas Statewide Systemic Initiative Project which resulted in the Math Crusades, K-4 Crusades and Science Crusades.

Gardner has presented many workshops for teachers to improve their teaching skills and further their mathematical knowledge. "David's efforts have profoundly impacted the teaching of K-12 mathematics in Southwest Arkansas in a very positive way," Eoff said.

In addition to serving the MAA for many years, Gardner has served as both regional and state director for the state mathematics contests conducted each year by the Arkansas Council of Teachers of Mathematics. On campus, he has served on many committees, and has been the university's NCAA faculty representative for many years.

Gardner earned his MSE degree in 1971 from Arkansas State University. "Although he did not complete a doctorate, he continued to enrich his mathematical knowledge with many hours of continuing education over the years," Eoff said.

## ***Campus News***

The following submissions appear in the order in which the most recent version was received.

### **Northeastern State University**

*Joan E. Bell*

NSU is in its 5<sup>th</sup> year of a \$599,355 federal education grant from the National Science Foundation that provides scholarships for students majoring in mathematics or computer science.

The Northeastern Oklahoma Mathematics and Science Teacher Association (NOMSTA) sponsored their 10<sup>th</sup> annual conference on the NSU campus on March 3, 2012. The conference was titled "The Beauty and Wonder of Mathematics and Science."

**Martha Parrott** founded and operates the Mathematics Clinic at the NSU Broken Arrow campus. The clinic provides authentic teaching experience for future elementary, middle school, and high school mathematics teachers. Those future teachers work one-on-one with elementary, middle school and high school students providing the help they need to succeed in mathematics.

**Martha Parrott** provided the mathematics content instruction for an MSP Grant partnership that brought together teachers from many school districts situated in northeast Oklahoma (2011-2012). A new MSP grant has been funded for 2012-2013 whose focus is on integrating math/science/literacy.



**Martha Parrott** was co-director of "Get Green for Blue," a summer academy for high school students, funded by the Oklahoma State Regents for Higher Education.

This past year 17 NSU students were initiated into the Oklahoma Alpha chapter of Kappa Mu Epsilon. The members of the Student Chapter of the MAA meet concurrently with the KME students. The student groups KME/MAA sponsored several speakers this year. **Elwyn Davis**, from Pittsburg State University, spoke on "Adventures on the Sphere." **Tracy Slate**, Gore High School mathematics teacher, explored ways to use the Texas Instrument CBR Motion Sensor device. **Gregory Davis**, BlueCross BlueShield of Oklahoma, presented information about the actuary field. **Miranda Sawyer**, Northeastern State University, presented the research done by her group this past summer at an NSF-REU at Rose-Hulman Institute of Technology. The title of her talk was: *Robust Flux Balance Analysis: Integrating Mathematics, Biology, and Computer Science to Study a Cell's Metabolism*. In February, members worked together on a problem in The College Mathematics Journal, and submitted two different solutions to the journal. NSU students (**Ryan Berkley**, **Abraham (Rho) Middleton**, **Joshua Gregory**, **Miranda Sawyer**, **Gregory Palma**, and **Joshua Killer**) attended the 74<sup>th</sup> annual Oklahoma-Arkansas section meeting of the Mathematics Association of America. Winning second place in the jeopardy portion of the competition were **Ryan Berkley**, **Rho Middleton** and **Joshua Killer**.

## **East Central University**

*Anne Fine*

The ECU Department of Mathematics and Computer Science welcomed its newest member in Fall 2012, Dr. **Mary Harper**. Dr. Harper, a product of ECU's mathematics program, earned her Ph.D. in Mathematics Education from the University of Oklahoma in 2012.

Congratulations to Dr. **Heather Hannah** who was promoted to the rank of Associate Professor.

Dr. **Andrew Wells** and Dr. **Andrei Ghenciu** directed a summer academy for high school students entitled "Coding Theory, Competitive Strategies, Risk Analysis & Other Mathematical Pursuits" during June 2012. Also, congratulations to Drs. Wells and Ghenciu for their successful grant proposal which has been funded for the summer of 2013.

We bid farewell to Dr. **Anne Fine** who will be retiring in May after 18<sup>+</sup> years as a faculty member of East Central University. During her tenure at ECU, Dr. Fine directed the mathematics education program. She also served as chair of the Oklahoma Teacher of the Year selection committee for the OK-AR Section for five years. She plans to enjoy her hobbies of gardening and rug-making and to spend some quality time with her grandchildren in Albuquerque.

Our students have achieved a number of accomplishments this year. One student passed the Society of Actuaries Probability Exam (Exam P) last summer. Fourteen students were directed in undergraduate research projects and made presentations at the Oklahoma Academy of Science Meeting, OK-AR MAA Section Meeting, Texas Oklahoma Research Undergraduate Symposium (TORUS) Conference, or Society of Physics Students Zone 12 Meeting. Faculty mentors included Dr. **Robert Ferdinand**, Dr. **Andrei Ghenciu**, Dr. **Heather Hannah**, Dr. **Anita Walker**, and Dr. **Andrew Wells**. One of Dr. Walker's students garnered the Best of Section honor at the Oklahoma Academy of Science. In the spring, our MAA Student Chapter donated \$100 to the House of Hope Crisis Pregnancy Center. The students raised the money through their "Pi a Professor" Pi Day activity. In addition, the students sponsored two Angel Tree children last Christmas.

## **The University of Tulsa**

*William Coberly*

A Ph.D. program in mathematics will begin in the fall of 2013. This program combines in-depth study in mathematical fields such as applied analysis, numerical analysis, probability and statistics, with the opportunity for interdisciplinary research in such related fields as engineering, computer science, bioinformatics, neuroscience, finance and mathematical physics.

**Tom Cairns** retired in May 2012 assuming emeritus status after over fifty years of service to the University of Tulsa and the mathematics profession. He will continue working with undergraduates on research projects in biomechanics and fluid dynamics.

Junior mathematics major **Stephen Macke** was named as a Barry M. Goldwater Scholar in 2012.

At the 13th conference on Integral Methods in Science and Engineering (ISME) held in Porto Alegre, Brazil, in July 2012, Dr. **Christian Constanda** was reelected for the eleventh consecutive time as Chairman of the IMSE. The next conference sponsored by the IMSE consortium will take place in Karlsruhe, Germany, in July 2014.

## **Southwestern Oklahoma State University**

*Tom McNamara*

The Oklahoma Gamma chapter of Kappa Mu Epsilon (KME) inducted eleven new members on April 11, 2012. Nine students, all KME or SWOSU Math Club members, participated in the prestigious William Lowell Putnam Mathematical Competition held December 1, 2012. The SWOSU Math Club, which meets weekly, hosts faculty talks in addition to several problem sessions, a barbecue, a bowling contest versus the physics club, and game hours.

## **Oklahoma Baptist University**

*Sarah Marsh*

In May 2013, Dr. **Eileen Hargrove** will retire after 23 years of service to OBU. We will miss her leadership among our mathematics faculty but wish her a wonderful next season of her life! Dr. **Krista Hands** will succeed Eileen as Department Chair beginning in AY 2013-14. We are currently interviewing candidates both for Eileen's position and for a new position which will begin in Fall 2013.

Dr. **Sarah Marsh** was selected to be a 2012-13 Project NEXt Fellow. In conjunction with this program, she attended MathFest 2012 in Madison, WI and the 2013 Joint Mathematics Meetings in San Diego, CA. In Madison, Sarah attended several professional development workshops for new mathematics faculty. Sarah was also selected to co-coordinate the six panel discussions that the 2012-13 Project NEXt Fellows organized for the Joint Meetings. She would like to encourage all new mathematics faculty to apply for this program.

In the last year, Dr. **Krista Hands**, Dr. **Sarah Marsh**, and senior mathematics education major **Shannon Griffith** have given two talks on their training sessions with peer tutors in mathematics. The first of these, entitled “Helping Tutors, Helping Students”, was presented at the 2012 OK-AR Section Meeting at Henderson State University. The second, entitled "Supporting Undergraduates' Growth as Effective Peer Tutors: What We've Tried, and What We've Learned", was presented at the MAA Session on Learning Centers: Problems and Creative Solutions at the 2013 Joint Mathematics Meetings. Senior mathematics major, **Kirsten Stevenson**, (now graduated) also presented a paper entitled “Berkeley Fails to See the Reason” at the 2012 OK-AR Section Meeting.

We have revised the requirements for our mathematics education major (effective AY 2012-13) and are also pleased to announce a substantial growth in the number of incoming mathematics and mathematics education majors. Our current students have increased the activity of our Mathematics Club with student research talks in addition to faculty presentations and holiday festivities. Our recent graduates are experiencing success in industry, teaching, and graduate programs.

## **Oklahoma State University**

*William Jaco*

The Department of Mathematics is undertaking a major initiative to enhance student learning and success in mathematics. The initiative is being referred to as **Success in Undergraduate MathematicS (SUMS)**; it encompasses major facilities expansion and renovation, personnel additions and responsibility changes, and several initiatives in classroom and supplemental instruction. More information may be found at <http://sums.okstate.edu/>.

A major component of the SUMS initiative is the building of a new Mathematics Learning Success Center (MLSC): a state-of-the-art, 7,500 square-foot, math-tutoring facility on the fifth floor of the Edmon Low Library. The goal is to integrate classroom instruction with tutoring and supplemental instruction outside of class. The MLSC contains a 120-seat computer lab in which students will complete online homework, watch online lectures and demos, and use mathematical software in the presence of

tutors. On the west and north sides are flexible tutoring rooms, seating a combined total of around 100 people. In addition to the three large areas, the new facility will have five small tutoring rooms to accommodate small-group and individual tutoring. The new MLSC should open in time for this spring's MAA meeting at OSU.

We invite all to visit the *NEW* MLSC. Organized tours will be available during the MAA 75<sup>th</sup> Anniversary Meeting of the Oklahoma-Arkansas Section in Stillwater, April 5-6. (<http://sums.okstate.edu/index.php/mlsc-facility>)

In fall 2011, the Department was authorized to hire 6 tenure-track and 5 clinical faculty members over the three-year period 2012-14. Clinical faculty members are non-tenure-track and have the primary assignment of supervision and coordination of multi-section courses, including Calculus I and all pre-calculus courses. New faculty members added in 2012-13 are **Henry Segerman**, assistant professor; **Lee Ann Brown**, clinical instructor; **Elena Pavelescu**, clinical instructor and Director of MLSC; and **Rae Tree**, clinical instructor. We presently are recruiting to fill 3 tenure-track assistant professor positions and 2 clinical instructor positions to start in fall 2013.

Six new Visiting Assistant Professors joined the faculty fall 2012: **Sean Bowman**, Ph.D. UT-Austin; **Kwangho Choi**, Ph.D. Purdue; **Detelin Dosev**, Ph.D. Texas A&M; **Andrei Pavelescu**, Ph.D. USC; **Jay Schweig**, Ph.D. Cornell; and **Trent Schirmer**, Ph.D. Iowa.

The Department was authorized to increase its GTA numbers from 30 to 54 over the three-year period 2012-14, as well as increase the annual GTA stipend by nearly 12%. We added 8 of the 24 new positions this year.

The Department hosted the Redbud Topology Conference on March 3-4, 2012. This is a joint project between Oklahoma State University, University of Oklahoma, and the University of Arkansas. We also hosted the Texas-Oklahoma Representations and Automorphic Forms Conference (TORA II), April 6-8, 2012. This is a joint project between Oklahoma State University, University of Oklahoma, and University of North Texas. Both conferences have funding from NSF, which has been renewed for 2013-15. The Department is excited about hosting the 75<sup>th</sup> Anniversary Meeting of the Oklahoma-Arkansas Section of the MAA on April 5-6, 2013.

Regents Professor **William Jaco** was appointed Department Head; Associate Professor **Chris Francisco** was appointed Associate Head for Lower-division Instruction; Professor **Alan Noell** was appointed Associate Head for Upper-division and Graduate Instruction; Professor **Lisa Mantini** was appointed Director of Undergraduate Studies; and Professor **Birne Binegar** was appointed Director of Graduate Studies.

Dr. **Chris Francisco** has been promoted to Associate Professor with tenure and Professor **Anthony Kable** has been selected to hold the Vaughn Professorship. The Vaughn Professorship is endowed by the Vaughn Foundation and the Oklahoma State Regents for Higher Education; it is awarded to a professor whose major area of research is in Number Theory. **William Jaco** and Professor **David Wright** were elected to the inaugural class of Fellows of the American Mathematical Society.

Three faculty members are on leave for the academic year 2012-13: Professor **Leticia Barchini** is visiting the Czech Republic, the University of Washington, and the Mathematical Sciences Research Institute (MSRI) in Berkeley, CA. Associate Professor **A. Raghuram** is visiting The Indian Institute of Science and Research (IISER) in Pune, India, and Assistant Professor **Henry Segerman** is visiting the University of Melbourne, Australia.

## **Henderson State University**

*Carolyn Eoff*

Last year was an eventful for the Henderson State University Department of Mathematics and Computer Science. Two of our number retired, and a third took a position in the business sector. **Jo Nell Driggers** retired after over 50 years as a mathematics teacher, including 14 years at HSU. **David Gardner** after retired almost 30 years at HSU; he was a long-time MAA member and was very active in the OK-AR Section for many years. In addition, David was the most recent recipient of the OK-AR Section Award for Outstanding College Teaching. We have long known of David's exceptional skills as a mathematics teacher, so we were very pleased for the Section to honor him with this award. **Brian English**, on the computer science side of the department, took a position with Fidelity Information Services in Little Rock.

We were extremely fortunate to welcome new faculty to our department last fall. Dr. **Lloyd Moyo**, from Sul Ross State University in Texas, joined us

as an associate professor of mathematics. Two of our outstanding former students, **Leslie Shults** and **Matthew Schoultz**, rejoined us as instructors of mathematics and computer science, respectively.

Our new chapter of Kappa Mu Epsilon continued its growth by inducting eight outstanding students last fall. Both the HSU Computer Science Club and Math Club had eventful years. For the ninth consecutive year, we fielded a team for the Arkansas Undergraduate Mathematics Competition. We have an exceptional group of mathematics and computer science majors and are looking forward to one of our largest graduating classes in many years.

Curriculum-wise, we were pleased that our proposal for a statistics track within our mathematics degree was approved. We have some students already majoring and minoring in this track and will begin offering advanced statistics courses in the fall of 2013.

One of the highlights of 2012 was the 74<sup>th</sup> meeting of the OK-AR Section meeting of the MAA, which was hosted on our campus. Dr. **Fred Worth**, assisted by a large number of HSU faculty and students, was the primary organizer for this successful conference.

## **University of Central Arkansas**

*Ramesh Garimella*

The year 2012 was yet another productive year for the department. Responding to the need to increase the numbers of mathematics and science teachers in the state of Arkansas, UCA submitted a successful proposal to become a replication site of the UTeach model for teacher education. Implementation of this model began at UCA in the fall 2012 semester through collaboration between the College of Natural Sciences and Mathematics and the College of Education. The math department is excited to be part of the new UCA STEM Teach Program. The department developed a course called Quantitative Literacy with full transferability as an alternate general education mathematics course for those students whose curricula do not require College Algebra. This is a major milestone with respect to mathematics component of the general education courses. We are proud that our own Dr. **Charles Watson** led this effort for the state. One of the department's long term goals was to convert our 5+5+3 credit calculus sequence to 4+4+4 to align with the other major universities in the state as well as in the region. This was accomplished in 2012. We awarded a total of

33 math degrees in 2012, which included 24 undergraduate degrees. For the AY 2012-13, we have recruited 20 graduate students in our program, which is a record.

Dr. **Weijiu Liu** received the UCA's prestigious Research, Scholarship and Creativity Award for the AY 2011-12. Drs. **Patrick Carmack** and **R.B. Lenin** have continued their research collaborations with the University of Texas Southwestern Medical Center in Dallas and UMAS respectively. Dr. **Danny Arrigo** and his undergraduate research student **Brandon Ashley** received 2013 SURF grant. Dr. **Jean McGehee**, Associate Professor of Mathematics, received a \$49,561 grant from the Arkansas Department of Higher Education for her proposal Geometry and the Implementation of the Common Core State Standards. Dr. **Jason Martin**, Assistant Professor of Mathematics, was the lead author on a paper that received Honorable Mention (2nd Place) for the Best Paper Award for the Fourteenth Annual Conference on Research in Undergraduate Mathematics Education (RUME). The paper, entitled "Students' Reinvention of Definitions of Series and Pointwise Convergence", documented a pair of students as they recreated these very formal mathematical definitions.

A poster presented by mathematics majors. **Thomas Deatherage** and **Brandon Ashley**, mentored by Dr. **Danny Arrigo**, titled "Hopf-Cycle Type Transformations for a Viscous Burger Equation" received honorable mention as an outstanding poster at the Joint Mathematics Meetings held in San Diego during the second week of January 2013.

Ms. **Rebecca Smith**, as a senior mathematics major at UCA, participated in 2012 Summer Institute for Training in Biostatistics (SIBS) at the Washington University in St. Louis. The SIBS is a 6-week all-expense paid training program sponsored by the National Institute of Health (NIH) to introduce and encourage students to pursue careers in the field of biostatistics. Rebecca graduated in spring 2012 and is currently a graduate student in our MS program in applied mathematics

Mr. **Jonathan Taylor**, who received his MS Applied Mathematics from UCA in spring 2012, joined the doctoral program in the Marine Sciences Department at the University of Georgia in fall 2012. Jonathan was offered a research assistantship with an annual stipend of \$23,000 plus tuition wavier.



The fifth annual Mathematics Science and Information Technology Academy, known as MSIT Academy University Arkansas, was held at UCA during the week of July 2012. The Academy was partially supported by a grant from the Arkansas Science and Technology Authority and organized by Dr. **Ramesh Garimella**, Chair of Mathematics Department and Dr. **Umadevi Garimella**, Director of the UCA STEM Institute. Twenty five high school students from Bella Vista, Conway, Fayetteville, Jonesboro, Little Rock, Vilonia, Benton, Morrilton, and Highland (Illinois) participated in the Academy. This year, MSIT had two activities – Cryptology and Computer Applications. Sixteen students took part in Cryptology and others in Computer Applications.

## **Southern Nazarene University**

*Lee Turner*

Dr. **Nicholas Zoller** directed a math research project during the SNU Summer Research Experience in May and June. His student, **Jeremy Acre**, studied the children's board game *Hi Ho! Cherry-O* using Markov chains. Jeremy was interested in what would happen to the expected length of a game under variations of the standard rules. His results mostly confirmed his predictions about the effects of these rules changes. The expected length of a game increased or decreased when the rules were changed in a way that favored an increase or a decrease. However, when these rules changes were put together, it was discovered that the effect was not additive. For example, one rules change decreased the expected length of a game by 10 turns, while a separate rules change increased the expected length of a game by 2 turns. One might expect that when these rules changed were combined, the expected length of a game should decrease by 8 turns. However, it was found that the expected length of a game still decreased by 10 turns. Thus, a seemingly simple board game produced complex, thought-provoking questions for further study.

## **The University of Arkansas at Monticello**

*Farrokh Abedi*

Last year, **Joel Whipple**, a biology and pre-medicine major received the Outstanding Freshman Mathematics Award in Calculus I. Whipple is a transfer from Southeast Arkansas College where he received an associate of applied science degree in radiology. He has been named to the Chancellor list three times. Joel is truly an outstanding student; he has been accepted in a multiple medical schools.

**Farrokh Abedi, Charles Dolberry, and Hassan Sayyar** attended the Oklahoma-Arkansas Regional Mathematical Association of America Meetings in March 2012 at Henderson State University, Arkadelphia, Arkansas. In this meeting, they accompanied four math major students, **Christy Munson, Nathan Burchfield, Jaime Garcia, and Lori Hilburn.**

**Anabel De la Cruse and Tarvander Singh,** outstanding math major UAM students, graduated in the fall of 2012. Both are currently serving as part time adjunct instructors at Monticello and McGhee campuses, respectively, teaching developmental mathematics courses. In addition, Anabel doing physics research and assisting in the tutoring lab.

**Linda Chapman, Lowell Lynde** (UAM math faculty), **Anabel De la Cruse,** and **Sandra Powell** (UAM students) presented a workshop at the fall meeting of the Arkansas Curriculum Conference in Little Rock. The topic of the workshop was “Analyzing the ACTM 2012 Regional Geometry Test.

**Guy Nelson** started his college teaching career at the University of Arkansas at Monticello in 1989 and will be retiring in July 2013. He received a B.S. and a M. S. degree in Mathematics from the University of Arkansas at Fayetteville. Guy’s high quality teaching was recognized by Alpha Chi naming him Teacher of the Year in 2001. One of his most enjoyable experiences has been serving as the faculty advisor/coach to the UAM Chess Club from 1992 to the present. Guy has also served as advisor to the Knights, a UAM honor and service organization for men. He was one of the original instructors in the Arkansas Math Crusade. At UAM, Guy has taught a number of courses ranging from developmental math to graduate courses in mathematics education. Outside the classroom, Guy has shown a deep interest in issues both social and political. He was a participant at Camp Casey in Crawford, TX, joining **Cindy Sheehan** and others in protesting the war in Iraq. Guy has been passionately involved with issues dealing with the 9-11 tragedy. His dedication to teaching and to his students will be greatly missed by his friends and colleagues in the School of Mathematical and Natural Sciences at UAM.

## ***Forums on Teacher Education in Mathematics***

The American Institute for the Improvement of Mathematics Learning and Instruction (MALEI) is organizing two separate forums designed for mathematics professors who educate teachers of mathematics. One anticipated outcome is the subsequent creation of a new MAA-SIG on the mathematical education of mathematics educators.

Both forums will be about the Mathematical Knowledge for Teachers' Education (MKTE) about the mathematical enclosures of (K-calculus+) core-curricula, as needed for maximally effective mathematics instruction. Focus will be on some mathematical concepts and facts which are learning-critical for all students who depend on learning core-curricular mathematics as personal common sense, but which are not yet attended in American traditional curricular mathematics or teacher-education programs.

The first MKTE Forum will be in Tulsa, on Friday evening March 1, at the Downtown Doubletree Hotel, during a break in the program of the Research Council on Mathematics Teaching (RCML) Tulsa Conference. This is a dinner-forum, but not an RCML function. For details and reservations, contact ASAP registrar@malei.org : Subj: MKTE Forum-Tulsa

The second MKTE forum will be in Stillwater, on April 6, immediately following the regular Annual Meeting of the OK-AR Section. One intended outcome is an application to the MAA for creation of an MAA-SIG that focuses exclusively on the mathematical education of in-service and pre-service teachers of core-curricular mathematics (K-calculus+) This no-charge Forum will be at the Stillwater Hampton Inn and Suites, close to the OSU campus. Free lunches will be provided by Chick-fil-A at Stillwater, to persons who register in advance. Space is limited. So please register ASAP through e-mail to registrar@malei.org : Subj: MKTE Forum-Stillwater

Get up-to-date information from

<http://sections.maa.org/okar/>.

## **Section NExT**

The Oklahoma-Arkansas Section NExT is inviting applications for 2013-2014 Fellows. Project NExT is a program of the Mathematical Association of America to help new mathematics faculty adjust to their responsibilities as full-time faculty members. The Oklahoma-Arkansas Section NExT is a local version of this national program.

The 2013 program will take place on Thursday, April 4, and Friday, April 5, at Oklahoma State University in Stillwater, Oklahoma as part of the spring meeting of the Section. The program will include various topics of interest to new faculty members from our Section. In particular, we will have sessions addressing teaching, research and service responsibilities. Fellows will participate in the 2013 and 2014 Section NExT meetings. For the 2013 meeting, lodging and dinner for fellows on Thursday, April 4 and a luncheon on Friday, April 5 will be provided.

Fellows must be full-time faculty in their first four years of teaching at the college/university level or a graduate student completing a Ph. D. in the current year. Interested applicants should send a letter describing their teaching, research, and service interests, and how they hope their participation in Section NExT will help them to meet their career goals. In addition, applicants must submit a letter from their department head or dean expressing support and a commitment to provide funds for the Fellow's participation in both the 2013 and 2014 Section meetings.

Completed applications should be sent to

Jill E. Guerra ([jill.guerra@uafs.edu](mailto:jill.guerra@uafs.edu))  
Department of Mathematics  
University of Arkansas Fort Smith  
5210 Grand Avenue  
Fort Smith, Arkansas 72913

## ***Local Area Hotels***

The hotels listed below are holding blocks of rooms for the meeting. Some are giving discounts. To reserve a room at the listed rate, tell the clerk that you are reserving a room in the block for the MAA conference. The area code for Stillwater is 405. Rates do not include taxes.

<b>Hotel</b>	<b>Address</b>	<b>Approximate Rate</b>	<b>Phone</b>	<b>Available until</b>
<a href="#"><u>Atherton</u></a>	H 103 Student Union Blvd (On Campus)	\$98 (includes breakfast)	744-6835	3/5
<a href="#"><u>Cimarron Hotel</u></a>	315 N Husband St	\$110 (includes breakfast)	372-2878	3/1
<a href="#"><u>Days Inn</u></a>	5010 W 6th Ave	double: \$64 single: \$54 (includes breakfast)	743-2570	3/6
<a href="#"><u>Fairfield Inn</u></a>	418 E Hall Of Fame Ave	\$89	372-6300	4/5
<a href="#"><u>Hampton Inn</u></a>	717 E Hall Of Fame Ave	\$119 (includes breakfast)	743-1306	3/14
<a href="#"><u>Holiday Inn</u></a>	715 S Country Club Rd	\$77	372-2445	
<a href="#"><u>La Quinta Inn</u></a>	5285 W 6th Ave	\$129 (includes breakfast)	564-0599	3/15
<a href="#"><u>Microtel</u></a>	423 E Hall Of Fame Ave	double: \$90 single: \$80 (includes breakfast)	372-7100	
<a href="#"><u>Quality Inn</u></a>	2515 W 6th Ave	\$65 (includes breakfast)	372-0800	3/27
<a href="#"><u>Residence Inn by Marriott</u></a>	800 S Murphy St	\$109	707-0588	3/5
<a href="#"><u>Wyndham Gardens</u></a>	600 E McElroy Rd	\$79	377-7010	

## **Local Restaurants**

Cost levels: I = inexpensive, M = moderately expensive, E = expensive

<b>Restaurant</b>		<b>Style</b>	<b>Address</b>
Applebee's	M	Burgers, Sandwiches/Subs, Pub Food	317 N Perkins Rd
Aspen Coffee	I	Bagels, Coffee, Sandwiches/Subs	1908 N Perkins
Aspen Coffee Co	I	Bagels, Coffee, Sandwiches/Subs	111 W 7th Ave
Bad Brad's BBQ	M	Barbecue	3317 E 6th Ave
Brooklyn's Contemporary	M	American, Burgers, Italian	701 S Main St
Chili's Grill & Bar	M	Southwestern	310 E Hall Of Fame Ave
Daily Grind	I	Coffee	230 S Knoblock St
DaVinci's	M	Italian	2280 N Perkins Road
El Tapatio	I	Mexican	825 S Perkins Road
El Vaquero	I	Mexican	5020 W 6th Ave
Eskimo Joe's Restaurant	I	American	Burgers 501 W. Elm Ave
Freddie Paul's Steakhouse	M	Steakhouse	1707 E 6th Ave
Golden Dragon Cafe	I	Asian, Chinese, Thai	203 S Perkins Rd
Hideaway Pizza	M	Pizza, Sandwiches/Subs	230 S Knoblock St
IHOP	I	American, Breakfast/Brunch	611 N Main St
Joseppi's Italian Kitchen	M	Italian, Pizza, Wine Bar	223 E Hall Of Fame Ave
Kyoto Japanese Restaurant	M	Japanese, Sushi, Teriyaki	2021 N Boomer Rd
Louie's Grill and Bar	I	Burgers, Pizza, Pub Food	720 S. Main

Main Street Noodle	I	Japanese, Noodle Shop, Vietnamese	622 S Main St
Marble Slab Creamery	I	Desserts/Ice Cream	229 S Knoblock St
McAlister's Deli	I	Sandwiches/Subs, Soups	205 E Hall Of Fame Ave
Mexico Joe's	I	Mexican, Tex-Mex	311 E Hall Of Fame Ave
Nagoya	M	Sushi	2260 N Perkins Rd
Old School Bagel Cafe	I	Bagels, Coffee, Sandwiches/Subs	502 N. Main
Olive Garden	E	Italian	2100 N. Perkins Rd.
Orange Leaf	I	Desserts/Ice Cream	506 N Main St
Palomino's	I	Mexican, Tacos, Wine Bar	1919 N Perkins Rd
Panera Bread	I	Bakery, Sandwiches/Subs	113 W Hall Of Fame Ave
Red Lobster	M	Seafood	102 E Hall Of Fame Ave
Red Rock Bakery & Deli	I	Bakery, Sandwiches/Subs	910 N Boomer Rd
Rib Crib	M	Barbecue, Burgers	103 South Perkins Road
Starbucks Coffee	I	Bakery, Coffee	300 E Hall Of Fame Ave
Texas Roadhouse	M	Barbecue, Steakhouse	2000 N Perkins Rd
Thai Cafe	M	Asian, Thai	502 S Husband St
The Ranchers Club	M	Sandwiches, Soups, Steakhouse, Coffee, Desserts, etc.	Student Union
Zannotti's Wine Bar	E	Tapas, Wine Bar	113 W. 7th Street

Get up-to-date information from

<http://sections.maa.org/okar/>.