New Ph.D. Program in Mathematics Approved

Beginning in the fall of 2013, The University of Tulsa will offer a doctoral degree in mathematics. The features of the Ph.D. in Mathematics program will reflect the demands of the modern world, extending its methods of quantitative and qualitative study to various branches of science and engineering.

Students enrolled in this doctoral program will be exposed to an in-depth specialization in a chosen mathematical field and, at the same time, have the opportunity to expand their specialization into other scientific and applied disciplines. This dynamic and flexible approach will make candidates ideally suited for today’s employment market in government, industry, and academia. Doctoral graduates will command a wide spectrum of competencies in theory as well as applications. Current areas of mathematical research in the department include applied analysis, numerical analysis, probability and statistics, and mathematical biology.

The new doctoral program will offer the option of an interdisciplinary component, giving students the chance to improve their mathematical knowledge, participate in original research and apply their skills outside the discipline of mathematics, in areas such as computer science, bioinformatics, engineering, neuroimaging, physics, and finance. In these cases, co-advisors will be available from other research units in the university as well as from nonacademic, commercial, and industrial organizations (e.g., medical facilities, oil and gas, or financial institutions).

watch for updates online at www.aaas-swarm.org.

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<td>DEC. 4-5:</td>
<td>READING DAYS (NO CLASSES)</td>
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<td>DEC. 6-13:</td>
<td>FINAL EXAMINATIONS</td>
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<td>DEC. 15:</td>
<td>COMMENCEMENT</td>
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Shuttle Service Expands to Off-Campus Destinations

In the spring of 2012, TU began providing weekday shuttle bus service from the main TU campus to the North Campus Drill Building and to Gilcrease Museum. This was an expansion on the existing campus shuttle bus system and is open to all students, faculty, staff and visitors.

There is no charge for the shuttle service to these areas and they will pick up at regularly scheduled times Monday through Friday (excluding university holidays). Travel time between locations takes approximately 15 minutes.

### GRADUATE FELLOWSHIPS, ASSISTANTSHIPS, AND SCHOLARSHIPS

Qualified applicants must be United States citizens and either seeking admission or enrolled as a full-time graduate student in the applicable graduate program.

- **The Ben Henneke Research Fellowship**
  (Master's students in Arts & Humanities)

- **The Wilfred Woobank Graduate Assistantship**
  (Natural Sciences & Engineering graduate degree programs)

- **The Foster Brooks Parriott Graduate Scholarship**
  (All Disciplines)

Applications are available in the Graduate School Office, Lorton Hall 201, and are due by 5:00 p.m. on January 15!

If you have any questions, please call 631-2336.

### NORTH CAMPUS

Picks up Keplinger Hall East Entrance

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<tr>
<th>Main Campus Pick-up Times</th>
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<td>9:00 AM</td>
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### GILCREASE MUSEUM

Picks up Bayless Plaza

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<th>Main Campus Pick-up Times</th>
<th>Gilcrease Pick-up Times</th>
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<td>10:30 AM</td>
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### LIFE SKILLS WORKSHOP SERIES

#### UPCOMING EVENTS

- **OCTOBER 11**
  McFarlin Library Survival Guide
  5:30 pm to 7:00 pm - McFarlin IClass A

- **OCTOBER 25**
  Surviving Graduate School: Tips for Successfully Managing Your Degree Program
  5:30 pm to 7:00 pm - ACAC, Chouteau

- **JANUARY 11**
  Harassment: Defining It, Avoiding It, & Reporting It
  9:40 am to 10:20 am - ACAC, Chouteau

- **JANUARY 11**
  Research Integrity/Plagiarism & How to Avoid It
  10:30 am to 12:00 pm - ACAC, Gallery

- **FEBRUARY 21**
  McFarlin Library Survival Guide
  5:30 pm to 7:00 pm - McFarlin IClass A

For additional information on these workshops, visit: http://www.utulsa.edu/academics/colleges/Graduate-School/Current-Student-Information/Life-Skills-Workshop.aspx
Fall 2012 Graduate Research Video Competition

The Graduate School is looking for ways to reward graduate student creativity while also encouraging students to practice discussing campus research and scholarly activities. To this end, the Graduate School is holding a video competition this fall for graduate student-generated video content with $1,000 awarded to the winning entry. This competition will give students an opportunity to develop methods for clearly explaining their work in a particular area of research or scholarly activity and submissions will be evaluated on their ability to convey a message effectively and clearly to a general audience.

Participants will to submit a short video (2-3 minutes) that describes a particular area of research or scholarly activity involving TU graduate students. This video should capture the main emphasis of a specific research or scholarly activity at TU, and discuss that research in a way that is understandable and interesting to the general public.

All currently enrolled TU graduate students are eligible to enter one video submission to the competition. Participants may form teams of up to four members for a single video submission, and no more than one member of the team may be a current TU undergraduate.

The video should be submitted in a format playable by either Windows Media Player or Apple Quicktime. Videos should be submitted on a CD/DVD or flash drive and the Graduate School will retain them until the completion of the competition.

For more information on the competition guidelines and submission requirements/deadlines, visit http://www.utulsa.edu/academics/colleges/Graduate-School/Current-Student-Information/Video%20Competition.aspx

New Library Resource Guide for Graduate Students

To help graduate students with their research, the McFarlin Library has created a new research guide specifically for the graduate community. It highlights all of the databases and subscription services the library currently utilizes that can help to make graduate coursework a little easier to manage. Be sure to take a look!

http://utulsa.libguides.com/GradStudents
Spring & Summer 2012
Chapman Graduate Scholar Grant Recipients

The University of Tulsa Chapman Graduate Scholar Presentation Awards Program provides assistance for graduate students to present their scholarship in a national or international forum to enhance the student’s career opportunities.

Any enrolled graduate student that is senior author on an abstract and presenting research conducted at The University of Tulsa may apply. Enrolled students entering works in juried exhibitions are also eligible for support. The applicant must be an enrolled student (with the exception of summer) at the time of the presentation and it must be prior to the applicant’s graduation. For most graduate students, the summation of their graduate research for a scholarly presentation usually occurs during the last two semesters of their degree program. Presentations at professional meetings are usually helpful in the acquisition of (or at least interviewing for) jobs. Preference is given to doctoral students giving oral presentations. Preference is also given to students that have previously presented in the Annual Student Research Colloquium.

MASTER’S STUDENT AWARDS

Andrekanic, Alex. "Architecting Web Service Attack Detection Handlers" Institute of Electrical and Electronic Engineers International Conference on Web Services (May 2012).


Wadsworth, Kelly "The Birds, the Bees, and the Bunkers: How 'All in the Family' Unstifled Female Sexuality". Popular Culture Association Annual Conference (April 2012).

DOCTORAL STUDENT AWARDS

**Gosavi, Pallavi.** "Electro-Spinning of Alginate and PVA Biopolymers to Produce Cross-Linked Nano-Fibrous Scaffolds for Tissue Engineering" National American Chemical Society Meeting (March 2012).

**Durgarao Koduri, Naga.** "Asymmetric C-C Bond-Forming Method for the Synthesis of Smoking Cessation Agents" National American Chemical Society Meeting (March 2012).


**Connelly, Blake.** "A More Subtle Form of Witchery: Examining the Role of Christianity in the Character of Auntie Thelma in Leslie Marmon Silko's Ceremony" 2012 Kansas State University Graduate English Conference (April 2012).


**Nelson, Courtney.** "Proactive Realization Process of Organizational Culture via Critical Incident" Society for Industrial/Organizational Psychology Annual Conference (April 2012).

**Robertson, Lauren.** "Organizations' Perspectives on Work-Life Benefits" Society for Industrial/Organizational Psychology Annual Conference (April 2012).

**Barnett, Jami.** "Gothic Developments in the Victorian Age" Studies in Gothic Fiction Annual Meeting (March 2012).

**Terry, Ellen.** "Experimental Assessment of Affective Processing in Fibromyalgia and Rheumatoid Arthritis" American Pain Society Annual Meeting (May 2012).


**Johnson, Kyle.** "Interactive Content Delivery System for a Museum" Association for Computing Machinery Annual Meeting (March 2012).


**Hafizoglu, Feyza.** "Patterns of Migration and Adoption of Choices by Agent Communities" International Conference on Autonomous Agents and Multiagent Systems (June 2012).


**Palit, Shreela.** "Pain Processing Is Altered in Native Americans" American Pain Society Annual Meeting (May 2012).

**Kesana, Netaji.** "Ultrasonic Measurement of Multiphase Flow Erosion Patterns in a Standard Elbow" American Society of Mechanical Engineers Summer Meeting—Fluids Engineering Division (July 2012).

**Smith, Lindi.** "Vampires of Chancery: Bleak House and The Confessions of an Attorney" Dickens Society Symposium (July 2012).
Joint Meeting with AAAS-SWARM Sees Record Numbers

Every third year since 2003, our Student Research Colloquium is held in conjunction with the Annual AAAS-SWARM Meeting (American Association for the Advancement of Science—Southwestern & Rocky Mountain Region). AAAS-SWARM returned to campus the spring of 2012 for their 86th Annual Meeting and had the largest turnout of any regional meeting in 18 years. Combined with our 15th Annual Student Research Colloquium, the event was a true community affair with participants from across the state in a variety of different fields.

There were a total of 316 oral and poster presentations made during the meeting as well as several special topic lectures. We had 145 TU students deliver oral presentations and 23 TU students participate in the poster session. The remaining presentations were given by visiting students and researchers from the region. At the Awards Banquet, the winners of the AAAS-SWARM awards, as well as our Research Colloquium awards, were announced. The competition was keen and all students did a wonderful job. Nine TU students received AAAS-SWARM awards, and 13 received Research Colloquium awards. One person received awards from both groups.

In addition to the general contributed paper sessions, we also had a number of people step forward to organize special topic symposia. We had 25 special topic symposia included in this year’s AAAS-SWARM meeting, 13 of which were organized by TU faculty, staff, and students. One of the few interdisciplinary professional meetings in the country, AAAS-SWARM allows people throughout the community to learn about research across all disciplines. Teachers, high school students, professionals in the surrounding community, TU students and faculty, and students and faculty from colleges and universities in the surrounding area were encouraged to participate.

Students and faculty that came from other universities were impressed with the quality of our students' presentations and the organization of the meeting. Our students are to be commended for more than their personal performance; this is a student-led function with committee members Aaron Ball, Colleen Bell, Sarah Chandlee, Tabatha Hibbs, Maddi Laizure, Sam Masters, Fardis Najaffifard, and Courtney Nelson determining the overall organization of the Colloquium, and graduate and undergraduate students serving as session chairs and judges. We also greatly appreciate the faculty and staff that judged and therefore helped make this event a success. A total of 82 judges and 36 session chairs covered all the oral and poster presentation sessions, as well as the High School Poster Session.

Please congratulate all student participants, judges, session chairs, and co-chairs as well as the faculty and staff judges for a job well done. We look forward to a successful research colloquium next year, which is scheduled for April 1-6, 2013.

For a full list of last year’s winners and a complete copy of the program, visit www.utulsa.edu/research_colloquium.
GSA Senate Welcomes New Departmental Reps

Most graduate programs have representation on the senate this year, demonstrating the strength and scope of our growing graduate student community. Below is a list of the senators that will be serving GSA senate for the upcoming academic year. Please touch base with your departmental senator if you have any concerns or programming requests you would like to see GSA address. They are here to represent you to the graduate community.

Accounting: Sarah Block
Anthropology: Veronica Mraz and Jenna Pirtle
Biochemistry/Chemistry: Lida Baghernejad and Kevin Farmer
Biology: Samuel Martin and Jessie Myers
Business Administration: Erica Adkins and Nicholas Wood
Chemical Engineering: Kate Key, Aroonsri Nuchitprasittichai and Soumya Yadala
Clinical Psychology: Ali Calkins, Samantha Overstreet and Jennifer Steward
Computer Science: Logan Brooks and James Johnson
Education: Amber Teachnor
Electrical Engineering: Ashkan Rashedi
Engineering Physics/Physics: Spencer James
English Language & Literature: Melissa Antonucci, Christian Howard and Ryan Slesinger
Finance: Geoffrey Fonga Tapja, Timothy Genske and Mengqi Zhang
Geosciences: Sloan Anderson and Mohamed El-Waraky
History: Albert Flint and David Kucinskas
I/O Psychology: Caroline Lindemuth and Beth Zwierko
Mechanical Engineering: Mahdi Kiani, Amir Mansouri and Hamed Raja
Museum Science & Management: Megan O’Neal
Petroleum Engineering: Jatin Agarwal, Ramin Dabirian, Hamidreza Karami Mirazizi
Speech Pathology: Angela Vaccari

AT LARGE SENATOR: Mazdak Parsi

Fall 2012 Events

Every Tuesday
GSA Coffee Breaks @ Lorton Hall 203
9 - 10 AM

September 26
Collegiate Luncheon @ Chapman Hall
Starts at 11:30 a.m.

October 13
Fall Family Picnic @ the McFarlin “U”
11:00 – 2:00 pm

October 18
Collegiate Dinner @ Helmrich Hall
5:30 p.m. - 7:00 p.m.

November 16
Collegiate Luncheon @ Keplinger Hall
Starts at 11:30 a.m.

December 5
Fall Graduation Banquet
Tulsa Garden Center

New Website and Office Hours

During the Fall semester, GSA officers will be available to answer questions and take suggestions for programming in the GSA office on the 1st floor of Lorton Hall.

Tuesday: 9-10 AM, 11 AM-12 PM
Thursday: 3-4 PM
Friday: 9-10 AM

Also watch for updates about upcoming events at their new website [http://utulsagsa.wordpress.com](http://utulsagsa.wordpress.com) and on their Facebook page at [www.facebook.com/utulsagradsa](http://www.facebook.com/utulsagradsa)
The Museum Science and Management program has created a Facebook page to showcase aspects of the program, including new or special classes, student achievements, and events. You can find the page at https://www.facebook.com/MuseumScienceAndManagementAtTu?ref=hl.

Information about the activities within the graduate program and what the current and former students are doing will be posted. The program is growing and developing quickly, and this Facebook page will reflect its growth.

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**Spring 2012**

**Arts & Sciences Graduates**

**DOCTORAL STUDENTS**

**SEUNG-A JI**, Ph.D. - English Language & Literature  
**JENNIFER KRISUK**, Ph.D. - English Language & Literature  
**BARBARA WOODFIN**, Ph.D. - English Language & Literature  
**LAUREN ROBERTSON**, Ph.D. - Industrial/Organizational Psychology

**MASTER STUDENTS**

**BROWN AKIN**, M.A. - History  
**COLLEEN BELL**, M.A. - Anthropology  
**LAURA BROWNE**, M.A. - I/O Psychology  
**KATHERINE CAVES**, M.A. - Education  
**SARAH CHANDLEE**, M.A. - Anthropology  
**YU HSI CHEN**, M.A. - Education  
**ANGELA COOPER**, M.A. - Anthropology  
**JOHN COPE**, M.A. - History  
**KRISTN CRAFT**, M.S. - Speech Pathology  
**SARA CUNDIFF**, M.S. - Speech Pathology  
**YUANYUAN DAI**, M.A. - Education  
**JARED EBERLE**, M.A. - History  
**MALIA EYLER**, M.S. - Speech Pathology  
**AUBREE HAYDEN**, M.A. - Museum Science & Management  
**LAURA HENSCH**, M.A. - English Language & Literature  
**ELICIA HRABAL**, M.A. - I/O Psychology  
**ELENA HUBBARD**, M.A. - English Language & Literature  
**ALEXANDER JACKSON**, M.A. - I/O Psychology  
**KAYLA KROMER**, M.A. - Museum Science & Management  
**JESSICA MACDONALD**, M.S. - Speech Pathology  
**KRISTEN MCCOLLUM**, M.S. - Speech Pathology  
**KATE MCGEE**, M.A. - Education  
**HILARY MORSEY**, M.S. - Math & Science Education  
**ALICIA ODEWALE**, M.A. - Museum Science & Management  
**TIMOTHY ORR**, M.A. - History  
**BRITNI PELTON**, M.A. - Museum Science & Management  
**MICHELLE PORTER**, M.S. - Speech Pathology  
**JULIANNA PUTMAN**, M.S. - Speech Pathology  
**ALLIE RICHARDS**, M.S. - Speech Pathology  
**JACOB ROMAINE**, M.A. - I/O Psychology  
**MAGGIE SCHABEL**, M.S. - Speech Pathology  
**JASON SEMORE**, M.Ed. - Education  

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**COURTNEY TAYLOR**, M.A. - Museum Science & Management  
**RYAN THIELE**, M.A. - Education  
**STEFANIE VOLLET**, M.S. - Speech Pathology  
**CATHY WALLACE**, M.F.A. - Art  
**ASHLEY WARD**, M.S. - Speech Pathology  
**MELISSA YOUNG**, M.A. - Education
Clinical Psychology PhD student Yvette M. Güereca won a 2012 Graduate Research Fellowship sponsored by the National Science Foundation. This marks the first time a graduate student in the TU psychology department has received an award from the National Science Foundation. This fellowship will help Yvette gain expertise in clinical psychophysiology, particularly in the area of pain research. The award provides a cost of education allowance in addition to an annual stipend for three years. National Science Foundation graduate fellows also have the opportunity to study abroad with prominent researchers in related fields. Yvette currently works with Dr. Jamie L. Rhudy.

Congratulations, Yvette!

TITAN Lab Gets Renovated

Over the summer, the Tulsa Institute for Trauma, Abuse & Neglect lab got a much needed makeover. TITAN is an interdisciplinary research institute that brings together scholars, scientists, professionals and students. Their purpose is to advance the knowledge of traumatic stress studies (e.g., disaster, violence against women, child abuse, crime victimization, mass violence) in partnership with the Tulsa community.

Now that their lab is renovated, they are continuing to pursue research related to a variety of traumatic events. They are currently involved in two trials of a nightmare treatment dealing with children. They have had great success in previous trials treating adults with civilian type of traumas (e.g., rape, domestic violence, car accidents) and in combat veterans. These current trials involve consultations on a grant received by Dr. Cameo Borntrager at the University of Montana and TU’s own Dr. Lisa Cromer will also be conducting the trial in Tulsa.

For updates about this amazing research group, visit their website at www.utulsa.edu/titan or check out their facebook page.
TU MFA student, Natalie Slater, has launched an ambitious photography project entitled *The Mother Road Revisited: Then and Now* which has been receiving attention nationwide.

Using 100 photographs taken in the 1950’s, Natalie has set about traveling to each location in the present day to take new photographs from the same vantage point. She then studies the differences between the old photographs and her version before combining the two into a single image. The resulting collage dramatizes the transformations that have shaped Route 66 over the years.

This project is only one of several that Natalie is currently working on, but follows a theme that appears in much of her work. Natalie is interested in examining the concept of nostalgia of passed memories and how one processes change or loss in their identity. She recently won best in show from the Tulsa Artist Coalition for her Route 66 work as well as the “Level Urban Apartments Award” at Momentum OKC 2012.

In addition to her work on the Mother Road pieces, Natalie has continued to submit work for a variety of different shows nationwide and internationally. Locally her work has appeared as part of group shows in the Route 66 Gallery at the Campbell Hotel, Mayfest, TU Gussman Student Exhibit, “Oh Tulsa”. Outside of Oklahoma, Natalie has shown pieces at international juried photography exhibitions, the Tool Gallery, the Palm Springs Photo Festival and Frogman’s.

In recognition of her experience with nostalgic photography and digital collage techniques, Natalie has also been asked to give guest lectures on civil war photograph, InDesign, Illustrator, Photoshop 101, Mark Klett and O’Sullivan.

*Mother Road Revisited’s* exhibition opens at Living Arts in Tulsa on April 5, 2013.

For more information about this exciting projects and to see what else Natalie has been working on, visit [http://www.motherroadrevisited.com/](http://www.motherroadrevisited.com/).
Every 18 months, the English Literature graduate students host a graduate student conference for the region. Their upcoming event is entitled “Ephemerality, Mutability, and Marginality: Print Alteration and Literary Culture” and is scheduled October 4-6, 2012.

This conference aims to explore the relationships between literature and extra-literary culture. They have defined “ephemeral” as transitory publications, including but not limited to broadside ballads, advertisements, pamphlets, magazines, periodicals, and comic books. Submissions will also include discussions of print culture in connection with alterations of printed texts (such as marginalia) as well as materials that extend the literary beyond the print (e.g., textual illustrations and digital humanities workshops).

The theme for this year’s event was chosen because to TU’s special relationship with ephemeral texts. From the university’s extensive holdings in McFarlin Library’s Special Collections and University Archives to our joint endeavor with Brown University on the Modernist Journals Project, the university is actively involved in the preservation and digitization of ephemeral and extraneous materials. The hope is that this year’s theme will showcase TU’s many resources related to ephemera and provide an impetus for discussion between scholars specializing in a variety of fields and disciplines.

Keynote speakers at the conference will include Prof. Mark Schoenfield from Vanderbilt University and Prof. John Richetti of Columbia University. Prof. Schoenfield is an expert on British Romanticism, print culture, and the relationship between literature and the law. His current projects focus on connections between 19th-century British periodicals and legal culture. Prof. Richetti is a former Fulbright and Danforth Fellow that specializes in eighteenth-century English literature. Both keynote lectures are open to the public.
A Russian translation of history professor Joseph Bradley's latest book, *Voluntary Associations in Tsarist Russia: Science, Patriotism and Civil Society*, was published this summer in Moscow. He presented a paper at the meeting of the Association for European Urban History in Prague. His article on the St. Petersburg Literacy Committee was published in the April issue of *Russian Review*, and his article on Russian associations and civil society appeared in the Moscow journal *Rossiiskaia Istoriiia*.

**Thomas Buoye**, History Department Chair, was invited to participate in the International Conference on the History of Mass Violence in Russia and China at Helsinki, Finland in May 2012.

**Brian Hosmer**, H.G. Barnard Associate Professor of Western History, organized a two-day symposium entitled “Material Memory” to help announce the Helmerich Center for American Research, a new scholarly resource to be constructed on the grounds of the Gilcrease Museum.

**Jeremy Kuzmarov**, Assistant Professor of History, published *Modemizing Repression: Police Training and Nation Building in the American Century*.

Applied Associate Professor of Art, **Mark Lewis**, was featured at the Bowery Gallery International Show this summer in New York for his exhibit entitled Tulsa Streets, Collages and Paintings.

**Prof. Kristen Oertel**’s book *Bleeding Borders* will be released in paperback in the spring of 2013 by LSU Press. She signed an advance contract with Routledge for *Harriet Tubman: Slavery, Civil War, and Civil Rights in the 19th Century*. She presented the paper, “‘The Creeks say if the negroes are free they will not reside in the country’: The Slavery Debate in Indian Territory,” at the “Material Memory” conference at the Gilcrease Museum.

Student Updates

**Greg Barnett** (Ph.D., IO Psychology 2004) is currently the Director of Product Development at Hogan Assessment Systems.

**Medea Bendel** (MA 03, History) and **Christine Anderson** (MA 03) teach history and social studies at Bishop Kelley.

**Matt Campbell**, history masters student, works on his MA part-time while teaching at East Central.

**Tony Carlson** (MA 04, History) is studying western history at the University of Oklahoma.

**Dustin Devore** (MA 05, History), **Wes Mosier** (MA 08), and **Jared Eberle** are studying American history at OSU.

**Mark Dolph** (MA 09, History) is director of volunteer services at the Gilcrease Museum.

**Don Geesling** (MA 07, History) is studying American history at the University of Massachusetts-Amherst.

**Katie Guinn** (BA 06, MA 09, History) teaches US and world history at the Jesuit College Preparatory School in Dallas.

**Mike Juen** (MA 10, History) is Collections Manager at the Iolani Palace, the former palace of the Hawaiian dynasty, in Honolulu.

**Josh Kunkel**, history masters student, has begun research at the Gilcrease Archives to help Professor Oertel turn a conference paper into a publishable article.

**Katie Lee** (MA 07, History) is studying American women’s history at Rutgers.

**Kristen Maragoni**, doctoral student in English Literature, presented a paper at the Modern Language Association convention in January 2012 entitled “The Labour of Composition”: A Visual Genesis of Beckett’s *Watt*. She also recently organized a poetry reading featuring the works of Stevie Smith that was held in the Faculty Student of McFarlin Library in September.

**Justin McCrackin** (MA 03, History) teaches at Jenks High School.

**Wesley Mosier** (MA 08, History) is working on a doctorate at OSU. His essay on Franklin D. Roosevelt and human rights was published in the Wiley-Blackwell anthology on FDR.

**Tim Orr** (MA 12, History) has entered the Ph.D. program in Religion at Baylor.

**David Pettyjohn** (MA 96, History) is assistant director of the Oklahoma Humanities Council.

**Aimee Raile** (MA 07, History) is studying political theory at Georgetown.

**Muge Sahinalp Park** (MA 04, History) teaches math and US history at Hale High School.

**Christ Smith** (MA 12, History) has entered the Ph.D. program in Chemistry at the University of Arizona.

**Ian Smith** (Ph.D., IO Psychology 2011) is working as a Optimization Consultant for SHL in Minneapolis, MN.

**Zilin Wang**, masters student in Museum Science & Management, was awarded a two-semester internship at The Children’s museum in Indianapolis. The TCM is one of the largest and most dynamic museums in the country. This multidisciplinary museum serves 1.2 million visitors each year. Staff are frequently involved in research related to creating better learning environments for children.

**Stephen Zedler** (MA 01, History) teaches at the Street School.
New MBA Cohort
Introduced to New Challenges

To kick off the 2012-2013 academic year, the 33 members of the new MBA cohort visited HelmZar Challenge Course in Tulsa for a day of team building.

Guided by trained facilitators, the students and Graduate Business Programs staff participated in personality profiling, icebreakers, and physical challenges. The situations guided the group through various obstacles in order to share common reactions, insights, and emotions and become more effective as a team.

Spring 2012
Collins College of Business Graduates

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<th>MASTER OF BUSINESS ADMINISTRATION</th>
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<tr>
<td>Corrina Barnes</td>
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<td>Leigh Brinlee</td>
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<td>Erica Simkin</td>
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<td>Katie Strahan</td>
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<td>Cary Taylor</td>
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<td>Siyu Chen</td>
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<td>Janice Care</td>
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<td>Kristy Macera</td>
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Graduate Business Teams Sweep Governor's Cup Competition

With one of the largest cash award pools in America, the Donald W. Reynolds Governor’s Cup Collegiate Business Plan Competition is an exciting opportunity for budding entrepreneurs. The Governor’s Cup competition is open to student teams from any college campus in Oklahoma. Students select a new technology or create their own, write a business plan around it and then pitch it before a panel of business, investment and community leaders. The competition is underwritten by the Donald W. Reynolds Foundation and more than two dozen local sponsors. It is managed by i2E.

Each spring term, TU students are encouraged to compete in the competition by enrolling in a course that teaches entrepreneurial processes. Each student team ultimately creates a business plan to present to potential investors with the goal of obtaining start-up funding.

TU routinely excels in the state-wide graduate level competition, where over 40 teams compete each year. In 2012, TU took both first and second place in the Graduate Division, marking the fourth time in six years that a TU team placed in the top two. Team SpectrumFX, which consisted of team leader Amethyst Cavallaro, Kathryn Junk, John Galbraith and Jessica Casper, won first place for their business plan outlining a new fire suppression technology for the aviation industry. The team won $20,000 for researching, writing, and pitching a business plan. The team’s advisor, Claire Cornell, received $2,000 for her work with the team. Spectrum FX also earned $5,000 as the winner of the Oklahoma Business Roundtable Material Sciences and Transportation category in the Interview portion of the competition.

PsychSavvy took second place in the Graduate Division, taking home $10,000. The team was made up of team leader Robyn Undieme, Cary Taylor, and Kathryn Packell. Both teams advanced to the Tri-State Competition in Las Vegas, where they competed against the winning teams from Arkansas and Nevada.
New Programs Added to Graduate Business Offerings

The spring semester saw two new graduate programs added to the graduate business roster: a Master of Accountancy and a Master of Energy Business.

Returning from a 13 year hiatus was the Master of Accountancy program, which replaces the previous online program in Taxation. The campus-based program utilizes the strong accounting offerings already in place within the college while taking advantage of the strong demand the university continues to see for trained accountants nationwide. Exceptional undergraduates in the TU accounting program will also now have the ability to apply for the 4 + 1 Master of Accountancy program as juniors. This option allows students to begin coursework towards the master’s degree before they have completed their bachelor’s degree and prepares them for the uniform CPA exam at the end of the program.

While the online taxation program has been discontinued, TU’s online offerings now include the new Master of Energy Business. This program is specifically designed for working energy professionals with backgrounds in business, engineering, geosciences, law, and related disciplines who are seeking to advance their careers in the energy industry. Combining coursework typically seen in MBA programs with contemporary energy issues and perspectives, this new degree takes advantages of TU’s position as a leader in America’s energy industry.

Students in the program will be able to leverage a unique mix of resources that is unmatched at other universities:

- National Energy Policy Institute, located at The University of Tulsa
- McDougall School of Petroleum Engineering, one of the preeminent programs of its kind in the world
- Energy Management Center, located within the Collins College of Business
- Energy Law Journal, a joint publication of The University of Tulsa College of Law and the Energy Bar Association in Washington, DC
- Highly regarded programs in geosciences, petroleum and chemical engineering
- The Tulsa Institute of Alternative Energy
- Petroleum Abstracts, the world's leading source of oil and gas information
- Numerous close ties with energy partners
- A rich energy heritage within the Tulsa community, home to numerous energy companies and organizations

The primary objective for the new energy business program will be to train individuals to become strong managers, problem solvers and idea generators so they can add value to their companies and the energy industry.

For more information on both programs, visit http://www.utulsa.edu/academics/colleges/collins-college-of-business/bus-dept-schools/graduate-business-programs/degree-programs.aspx.
Dr. James Sorem Named Dean of TU College of Engineering & Natural Sciences

Sorem has served as senior associate ENS dean for 18 years and was appointed the college's interim dean in February 2012 after the sudden passing of Steven J. Bellovich, who had led the college for more than 16 years.

In announcing the appointment, Roger Blais, TU's provost and vice president for academic affairs, commended Sorem for his dedication to the college. "Jim has served as interim dean with great competence and integrity," Blais said. "As associate dean, Jim held the fiscal management responsibilities of the college for many years and has been a strong advocate for TU's science and engineering initiatives."

Sorem's appointment follows a historic period of growth for ENS. Since 1994, the college has increased research funding by $11 million and added 15 full-time faculty members. In the past year, ENS has opened two new buildings on campus and introduced state-of-the-art field equipment into its student labs. TU's Make a Difference Engineering (MADE at TU) projects continue to build a respected reputation for improving the lives of disabled children through mobility aids and other motorized devices.


Master's Student Wins International Oil/Gas Competition

Aidar Svyatov, master’s student of Petroleum Engineering, won a Petroleum Knowledge Competition “Petrobowl” that was held by the Society of Petroleum Engineers and China Beijing Petroleum University this summer in Beijing. The “Petrobowl” tournament tests teams’ knowledge in areas such as oil field trivia, calculations and the history of the oil and natural gas industry.

Aidar Svyatov together with Jon Clark and Jiang Zheng (both graduates of University of Oklahoma) entered the tournament as a “Team of USA”.

The Petroleum Knowledge Competition consisted of 15 different petroleum universities and was held during the “Future Engineering Petroleum Forum”. The format of “Petrobowl” was different than regular tournaments with 3 teams at the same time. First round, “the team of USA won by 110 points, the second round the team won by 60 points, and the final round they won by 10 points against the team of Malaysia”.

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Geology master’s students Oluwasegun Abatan and Sloan Anderson travelled to the remote high desert of central Utah to study sandstone outcrops of the Cretaceous age Ferron Sandstone over the summer.

Both students share similar thesis research objectives, but they are approaching the objectives from different directions. The overall objective is the reconstruction of the sedimentary character and evolution of an ancient meandering river using the deposits laid down by the river. Mr. Anderson is approaching this objective from detailed observations and measurements from sandstone outcrops with high-resolution differential GPS mapping. Mr. Abatan is imaging the shallow subsurface with high-resolution ground-penetrating radar.

The combination of these two data sets will produce a 3D geometric form of the overall river sand-body and details of the internal sedimentary structure. Their results have a direct application to improving petroleum reservoir exploitation strategies for mature production areas of Oklahoma and other regions with similar reservoir rocks.

Both students were ably assisted by Mr. Marcelo Tatsch-Lindenberg, a geology exchange student from Brazil, and Mr. Brice Otto, a senior Geosciences student. Drs. Dennis Kerr and Kumar Ramachandran are the students’ graduate thesis advisors. Research funding has been provided by The University of Tulsa Student Research Grant Program and the Department of Geosciences.

Students Awarded Grants by AAPG Grants-In-Aid Program

Congratulations to Claire Astore and Bharat Banjade, graduate students in Geosciences, for their successful proposals to the American Association of Petroleum Geologists (AAPG) Grants-In-Aid program.

Claire was awarded the Alexander and Geraldine Wanek Grant for her proposal on the geochemical characterization of the Atrim Shale formation waters. Bharat was awarded the Thomas A. Hedricks Memorial Grant for his proposal on the provenance of the deepwater Atoka Formation, and its relationship to the closure of the Rheic Ocean.

The AAPG Grants-in-Aid program is very competitive with 310 applications, and 84 grants awarded this year.
Faculty & Student Updates

**Faisal Al-Mutahar**, (Ph.D.—Mechanical Engineering, 2012), has been offered an officer position in the Saudi section of the National Association of Corrosion Engineering (NACE International).

**Prof. Jeremy Daily** of the Mechanical Engineering department was selected to receive the Ralph R. Teetor Educational Award for 2012. This is a nationally competitive award that recognizes effective and innovative engineering education.

**Yahya Hashemian** (Ph.D.—Petroleum Engineering) was awarded first place in the Society of Petroleum Engineering Regional Student Paper Contest at the Ph.D. Division. Her award winning paper was included in the International Student Paper Contest at the 2012 ATCE conference.

**Mojtaba Pordel Shahri** (MSE Student—Petroleum Engineering) received the 2012 Henry DeWitt Smith Fellowship from the Society of Petroleum Engineers.

**Dr. Sanwu Wang**, Associate Professor of Physics, has been awarded the 2012 College of Engineering and Natural Sciences’ Zelimir Schmidt Award for Outstanding Research for his work in materials simulation and condensed matter theory.

Chemistry Professor Inducted into Higher Education Hall of Fame

University of Tulsa Chemistry Professor Robert Howard will be inducted into the Oklahoma Higher Education Hall of Fame in October. The professor and former chairman of TU’s chemistry department focuses on chemical education for elementary and middle school students along with theoretical chemical physics. In 2011, Creativity Oklahoma recognized him with an Oklahoma State of Creativity “Great Inspirations” Award, and he received the Champion for Success Award from the Oklahoma State Regents for Higher Education in 2003. Howard was named Oklahoma Chemist of the Year in 2000 and received the Merck Foundation Award for Innovative Science Education in 1993.

The professor’s interests in theoretical chemical physics have resulted in publications in the *Journal of Chemical Physics* along with service on several national boards. His contributions to K-12 chemistry education have been published in *Gifted Child Today* and *NCA Quarterly* and also supported by the *National Science Foundation*. He has directed several statewide projects including the Oklahoma Teacher Education Collaborative, the Oklahoma Professional Development Institute in Science and many summer programs for teachers.

Spring 2012
Engineering & Natural Sciences Graduates

DOCTORAL STUDENTS
MARK VACCARI, Ph.D. - Chemical Engineering
MATTHEW SMITH, Ph.D. - Chemistry
NICHOLAS DAVIS, Ph.D. - Computer Science
JOSEPH EDMONDS, Ph.D. - Computer Science
KYLE JOHNSON, Ph.D. - Computer Science
IAN ZEDALIS, Ph.D. - Computer Science
SHOKROLLAH HASSANI, Ph.D. - Mechanical Engineering
SY THANH DO, Ph.D. - Petroleum Engineering
ALEXANDRE EMERICK, Ph.D. - Petroleum Engineering
EKARIT PANACHAROENSAWAD, Ph.D. - Petroleum Engineering
MOHAMMED SHARIFI, Ph.D. - Petroleum Engineering

MASTER OF SCIENCE
ALEX ANDREKANIC - Computer Science
WILLIAM BANICK - Computer Science
TIMOTHY BRANDON - Geosciences
MATTHEW BRUNDAGE - Computer Science
JESSICA CARGILL - Biological Science
RUIQIAN CHEN - Geosciences
EDWARD CIZEK - Applied Mathematics
CHRISTINA CRAIG - Biochemistry
MOHAMED ELSTEIL - Geosciences
MATTHEW FOUSHEE - Computer Science
DEAN GROVE - Computer Science
RACHEL HOFFMAN - Biochemistry
JON HOLLEN - Computer Science
SEAN JESSEE - Computer Science
NOAH JORGENSON - Computer Science

ALEXANDER KERN - Applied Mathematics
ALI LAHDIRI - Geophysics
LAURA LEWIS - Computer Science
YANG LI - Geosciences
MING LIU - Geosciences
ANASTASIA MAVRIDOU - Computer Science
ELLERY NEWCOMER - Computer Science
DAVID ROSENTHAL - Computer Science
NATALIE RUSH - Geosciences
BENJAMIN SCHMIDT - Computer Science
JARED SEAY - Engineering Physics
AMANDA SEIDERS - Applied Mathematics
WESLEY SHADOAN - Computer Science
JING SUN - Biochemistry

MASTER OF ENGINEERING
BADER AL-MUTAIRI - Petroleum Engineering
MOHAMMED ALSHAFAI - Petroleum Engineering
DANIEL BRITO - Mechanical Engineering
DANIEL BROWN - Chemical Engineering
YILIN FAN - Petroleum Engineering

CHEN FANG - Petroleum Engineering
JUSTIN HOOT - Electrical Engineering
JAKE KIRKENDOLL - Electrical Engineering
CHEN LI - Chemical Engineering
JOSHUA MCCARTT - Petroleum Engineering

MASTER OF SCIENCE IN ENGINEERING
MEHMET ARSLAN - Petroleum Engineering
ALI ALSHAWAF - Petroleum Engineering
BINH THANH BUI - Petroleum Engineering
KAI CHEN - Chemical Engineering
MARK DELAVAN - Mechanical Engineering
GOKTUG KALAYCI - Petroleum Engineering
PHILIP KORVICK - Electrical Engineering

SAI NIDASANAMETLA - Mechanical Engineering
SAMUEL ODEWALE - Chemical Engineering
SIDDESH SRIDHAR - Petroleum Engineering
VIKRAMRAJA SUBRAMANI - Petroleum Engineering
QIAOYI ZHANG - Petroleum Engineering
YI ZHANG - Petroleum Engineering