

Spring  
2013

## NEW WAVE NEWS

Tulane Professor Wins NIH Award to Study How Salt Helps Molecules Mix »

Endowed Chair Pioneers New Path for Engineering at Tulane »

Alumnus Introduces Chocolate-flavored Toothpaste for Kids »

Summer Course in Ecuador will put Theory into Practice »

[Read Other News »](#)

## ACCOLADES

Biomedical Engineering Assistant Professor Sergey Shevkopylas was awarded \$376,250 from the NIH to develop high-throughput technology for removing the irreparably damaged cells and toxic mediators in the storage medium from stored red blood cells during the transfusion process. This is the first year of a 5-year award.

Chemistry Associate Professor Scott Grayson was awarded \$1,035,728 from the Consortium for Ocean Leadership to study the utility of amphiphilic polymers and amphiphilic nanoparticles as oil spill dispersants.

## Message from the Dean

*Nicholas J. Altiero, Dean*

In 2006, the School of Science and Engineering (SSE) was established under the post-Katrina "Tulane University Plan for Renewal." During its first year, 2006-07, a vision for this new school was articulated and a strategic plan was outlined for the achievement of that vision. It was a ten-year plan with clear objectives and with defined metrics to measure progress. We are now entering the final quarter of the 2012-13 fiscal year, the SSE's seventh year, and by every measure we have exceeded expectations regarding where we would be at this point in the implementation of the plan.

[Read Dean's Message »](#)



## Engineering Alumnus Creates Endowment for New Computer Science Program

*Article by Matt Roberts*

James Mead (E '81) understands the value of launching a new program at a university. As one of the first graduates of biomedical engineering at Tulane, Mead used the analytical skills he gained as an undergraduate to pursue a highly successful career in

investment banking.

[Read Full Story »](#)

## Delegation Works to Expand Studies in Cuba

*Article by Carol Schlueter*

A successful trip to Cuba in December by a Tulane delegation will expand the university's ongoing relationship with the University of Havana and other Cuban institutions into public health and scientific arenas. Cuban academic leaders and Pierre Buekens, dean of the Tulane School of Public Health and Tropical Medicine, agreed to reinstitute the school's two-week summer program in Cuba starting this May, said Ana López,



Photo by Ana Lopez

associate provost for faculty affairs, who led the delegation.

[Read Full Story »](#)

Earth and Environmental Sciences Assistant Professor Brad Rosenheim was awarded \$841,693 from the Gulf of Mexico Research Initiative Fund to sample sediment from the seafloor during three different ocean-going research expeditions over a three year period. Dr. Rosenheim will use novel techniques developed in his laboratory to examine isotopic indicators of the oil presence and its degradation history, information ultimately of use to oceanographic modelers also involved in the Consortium for the Advanced Research of Transport of Hydrocarbon in the Environment.

Ecology and Evolutionary Professor Hank Bart was awarded \$426,563 from the NSF to use computing technology to collaboratively geo reference for an estimated two million fish species occurrence records in the [Fishnet2](#) network of fish collection databases. This Tulane-led, 3-year, continuing award involves fish collections at 12 U.S. institutions and is valued at over \$2 million. It is the first project of its kind in the natural history research collection community.

## CONTACT US

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## FEEDBACK

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From You!

Please send us your feedback on  
the newsletter to:

✉ [candy@tulane.edu](mailto:candy@tulane.edu)

Give to SSE



Photo by Paula Burch-Celentano

## Cooking with Love from Tanzania

Article by Aidan Smith

Never had the opportunity to savor the cuisine of Tanzania? Tulane University senior Angela Czesak wants to fix that. She's bringing the flavor of that East African nation to the rest of the world in her self-published cookbook, *Kupikia Tanzania*.

[Read Full Story »](#)

## Debby Grimm of the Coordinated Instrumentation Facility

Article by Robert Morris

For 20 years now, Debby Grimm has made her home among the world-class microscopes, X-ray machines and other devices of SSE's Coordinated Instrumentation Facility, solving problems posed by the latest questions in scientific research and engaging a regional community by serving corporate customers.



Photo by Debby Grimm

[Read Full Story »](#)

## Upcoming Events

*School of Science and Engineering Highlights*

### 13th Annual Tulane Engineering Forum

Friday, April 5, 2013

8 AM – 5 PM

Ernest N. Morial Convention Center

*Registration is Required*

[For More Information »](#)

### School of Science and Engineering Outstanding Researcher Ceremony

Thursday, April 11, 2013

3 PM – 4 PM

Lavin-Bernick Center for University  
Life – Kendall Cram Lecture Hall –  
Room 213

*Everyone is Invited*

[Kindly RSVP to \[candy@tulane.edu\]\(mailto:candy@tulane.edu\) »](#)

### School of Science and Engineering Distinguished Leadership Circle Reception & 2013 Science and Engineering Alumni Awards Celebration

Thursday, April 11, 2013

6 PM – 8 PM

Lavin-Bernick Center for University  
Life – 1834 Club – Room 215

*Invitation Only*

[For Information About  
Alumni Awards »](#)

### 2013 School of Science and Engineering Celebration Toast & Luncheon for Graduating Seniors

Saturday, May 18, 2013

11:30 AM – 1:30 PM

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## School of Science and Engineering Research Day – Poster Session

Thursday, April 11, 2013

4 PM – 6 PM

Lavin-Bernick Center for University  
Life – Qatar Ballroom – Room 212  
*Everyone is Invited*

[View All Events »](#)

Mercedes-Benz Superdome –  
Claiborne & Iberville Club Rooms –  
Loge / Club Level

*All science and engineering graduating  
seniors and their guests are invited to  
join Dean Altiero and  
the School of Science and Engineering  
faculty for a  
celebration toast and luncheon.*

**Immediately following the  
conclusion of the Unified Ceremony  
– Tickets will be required**

[See a weekly schedule of Science  
and Engineering Seminars open to  
the public »](#)

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