Message from the Dean

Nicholas J. Altiero, Dean

Last year at this time, I reported that 395 undergraduate students and 141 graduate students majoring in disciplines offered by the School of Science and Engineering (SSE) had received their degrees at the 178th Tulane University Commencement. This year, at the 179th Tulane University Commencement, that number grew to 438 undergraduate students and 157 graduate students. It was once again a very impressive graduating class and many of the graduates who received university awards for their academic and extracurricular achievements are recognized in this issue of the SSE Newsletter.

Engineering Alumnus Creates Investment in the Future

Article by Matt Roberts

By 2018, the U.S. will have over 1.2 million unfilled jobs in science, technology, engineering and mathematics (STEM) — mostly high-wage, recession-proof employment opportunities. Yet 38 percent of college students who start a STEM major do not graduate with that degree.

Without a strong foundation in math and science from elementary and secondary school, educators say, students are unprepared to train for and pursue careers in STEM fields.

SSE’s First Assistant Dean of K-12 STEM Outreach Retiring

Article by Robert Morris

After a career at Tulane that dates back to her undergraduate days in the late 1970s, Annette Oertling will retire in June as the School of Science and Engineering's first Assistant Dean for K-12 STEM (Science, Technology, Engineering, and Math) Outreach. Her passion for inspiring the love of science will continue to benefit young students, as not
only does the program have a successor that Oertling
describes as a perfect fit, but Oertling also plans to
continue as a volunteer.

Read Full Story »

Tulane University Neuroscience Association (TUNA) was selected
as the 2013 Student Organization of the Year.

Biomedical Engineering Assistant Professor J. Quincy Brown was awarded $123,466 from the NIH
to develop and validate a new system for intra-operative
microscopic imaging of tumor resection specimens, which aims
to help reduce the number of unnecessary treatments applied
after tumor removal surgery.

Cell and Molecular Biology Professor Benjamin Hall was awarded $327,770 from the NIH
to investigate the cellular mechanisms that are responsible
for the rapid antidepressant actions of ketamine.

Cell and Molecular Biology Assistant Professor Shusheng Wang was awarded $357,749
from the NIH to study the mechanism whereby microRNAs regulate retinal vascular
development and neovascular age-related macular degeneration (AMD). AMD is the leading cause
of blindness in the elderly without cure currently available. Using genetic mouse models and
microRNA technologies, this study may pave the road for future microRNA therapeutics for
vascular retinopathies and other vascular disorders.

Science and Engineering Recipients of Tulane 34 Awards
2013

The Tulane 34 Award is presented to 34 graduates who
have distinguished themselves throughout their collegiate
life. Students are recognized for their exemplary
leadership, service and academic excellence. Named for
the year the university was founded, 1834, Tulane 34 is
among the most coveted university-wide honor bestowed
upon students.

The School of Science and Engineering proudly recognizes six science and engineering
graduates that received the prestigious award in 2013.

Read Full Story »

Meticulous About Fun -- Staff Accountant Lends her Energy to K-12 Robotics Competitions

Article by Robert Morris

Since joining the Tulane engineering staff 12 years ago,
Lorrie McGinley has become known for her combination of
a no-nonsense approach to her accounting work with an
irrepressible, mischievous sense of humor. As Tulane's
science and technology outreach to younger students has
grown in recent years, McGinley has spent countless hours volunteering with robotics
competitions and other events, sharing her same high-energy style with the next
generation of science students.

Read Full Story »

Upcoming Events

School of Science and Engineering Highlights

Welcome Week at Tulane
Saturday, August 24 –

School of Science and Engineering
2013 Homecoming Tailgating Tent

CONTACT US

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School of Science and Engineering Freshmen Welcome – Open House for All New Incoming Students

Sunday, August 25, 2013
2 PM – 4 PM
Boggs Center for Energy & Biotechnology
First Floor Lobby
All New Incoming Students and their guests are invited to attend

School of Science and Engineering Distinguished Leadership Circle Reception

Thursday, October 3, 2013
6:30 PM – 8:30 PM
Audubon Golf Clubhouse
Invitation Only

School of Science and Engineering Homecoming 2013 Celebration Open House | Research Lab Tours

Friday, October 4, 2013
2 PM – 4 PM
Boggs Center for Energy & Biotechnology
First Floor Lobby
Everyone is Invited

We Want to Hear From You!

Please send us your feedback on the newsletter to: candy@tulane.edu

View All Events »