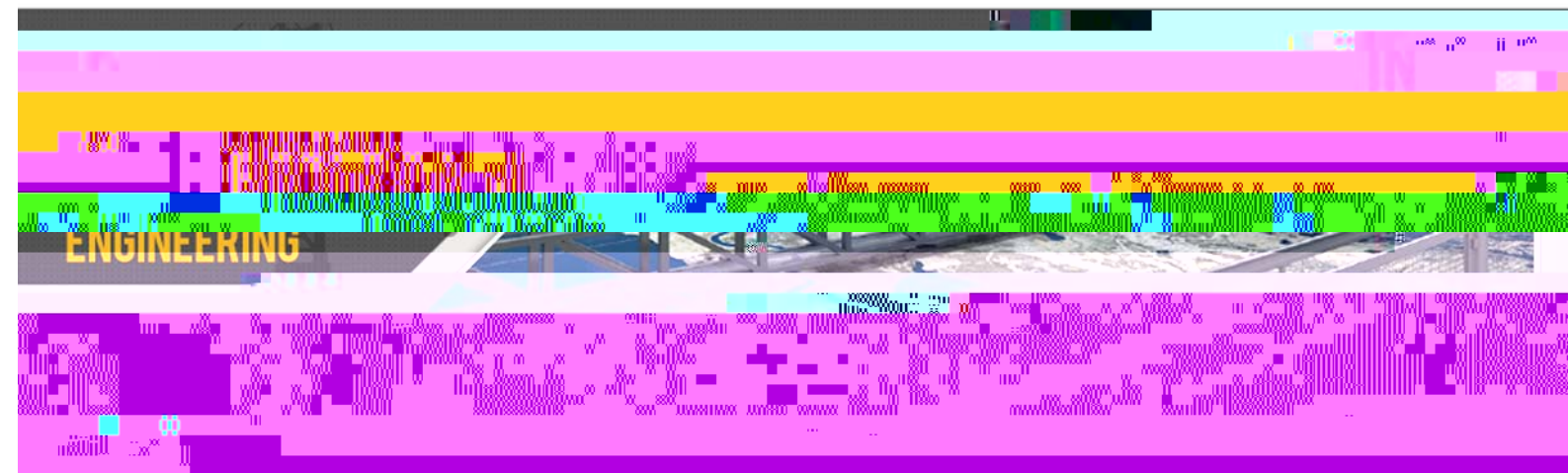




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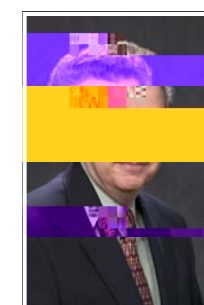
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FROM THE DEPARTMENT CHAIR

A letter from George Z. Voyiadjis



Welcome to another edition of the Department of Civil and Environmental Engineering newsletter. In this issue we share with you department highlights in research and education.

First, I am excited to announce that the LSU chapter of Chi Epsilon is once again active. With the recent induction of new members and election of officers, we look forward to reporting their progress. As always, we are pleased to share with you highlights from the ASCE student chapter. Always active, the chapter is now gearing up for the Deep South Regional Competition where the steel bridge and concrete canoe teams will compete with their peers.

This issue also features one of our most recent faculty hires: Dr. Aly Mousaad Aly and his research in the area of hurricane engineering. Dr. Aly and the department are working to establish a state-of-the-

art hurricane testing facility here on campus that will surpass simple wind tunnel testing to include testing under realistic hurricane wind, rain, and wave loading conditions.

In addition to student and faculty highlights, this issue also contains an address from the chair of the External Advisory Board of the Department of Civil and Environmental Engineering, John Graves. Graves, Principal of Evans-Graves Engineers, Inc., is a long standing member of our board, as well as a CEE Hall of Distinction inductee.

In closing, myself and the department would like to wish you and your family a wonderful holiday season.

Sincerely,

Dr. George Z. Voyiadjis
Boyd Professor, Chair
Bingham C. Stewart
Distinguished Professor

ALUMNI REGISTRATION & UPDATES

The Department of Civil and Environmental Engineering is always interested in how our alumni are doing. We hope you will take time to send your updates to jmueller@lsu.edu or, if you prefer, you can "snail mail" them to

Department of Civil and Environmental Engineering
Louisiana State University
Attn: Julie Mueller
3418 Patrick Taylor Hall
Baton Rouge, LA 70803-6405

Please include basic information such as your full name, year of graduation, degree, mailing address, email address, telephone number, company, and your title/position. For your update, please include information on your recent professional and personal developments, along with a high-quality photo if available.

Thanks for staying in touch!

To connect with the LSU College of Engineering, please visit www.eng.lsu.edu/alumni/update



In This Issue



ASCE Student Chapter News

This semester, the ASCE student chapter at LSU had the honor of a wide variety of guest speakers attending their monthly meetings. Matthew Blackwell of BASF joined the students in early September to speak about BASF and chemical plants in general. Thomas Montz of

Faculty Highlights

Plates and Shells” in August 2005. He is currently a research engineer for the Applied Sciences Division of Weidlinger Associates, Inc., in New York.

ABOUT THE POLISH ACADEMY OF SCIENCES

The Polish Academy of Sciences (PAS) is Poland’s leading scientific and research institution. Founded in 1952, its roots stretch back to the enlightenment period. PAS is the successor institution to the Warsaw Society of Friends of Learning, founded in 1800 by Stanislaw Staszic (1755-1826) and other notable scholars from the era. Today’s Academy is a national

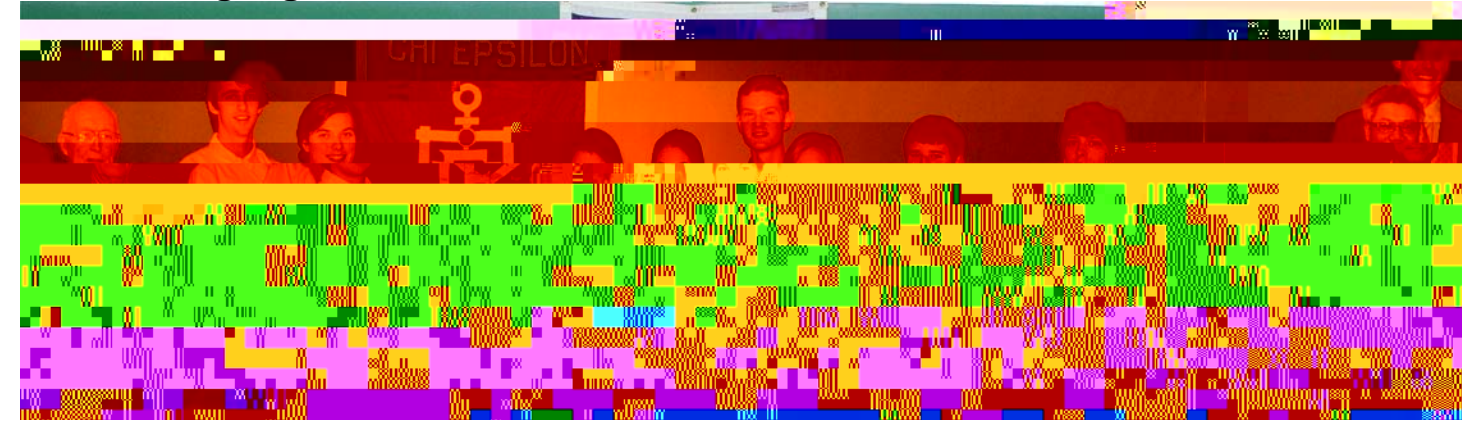
institution continuing and cultivating the finest traditions of Poland’s scientific organizations, operating on the legal foundation provided by the Act on the Polish Academy of Sciences dated April 30, 2010. The Academy supports the development, integration, and promotion of science, and contributes to the advancement of education and the enrichment of Poland’s culture.

Article by Laura Stuart, LSU College of Engineering, lauras@lsu.edu, 225-578-8408

Driving Simulator Featured on the Weather Channel

These were the introductory words of the Weather Channel’s Reynolds Wolf as he climbed down from his

Student Highlights





Connect with us on Facebook! Search for “LSU Department of Civil and Environmental Engineering”. Click “like” and add us to your interest list to receive news and updates from the department!

WILLSON HELPING LEAD INTERNATIONAL DESIGN COMPETITION: "CHANGING COURSE"

Dr. Clint Willson, CEE Professor and Director of the Engineering Design and Innovation Program of The Water Institute of the Gulf, is serving on the Leadership Team and as chair of the Technical Team for the Changing Course international design competition. This competition seeks to build on Louisiana's 2012 Comprehensive Coastal Master Plan to redesign a "more sustainable Lower Mississippi River Delta, bringing teams together from around the world to create innovative visions for one of America's greatest natural resources"

The great Mississippi River, which captures and transports a large percentage of the water and sediment from the United States, built the land that is coastal Louisiana. Over time gradual, natural changes in course of the mighty Mississippi took place, leaving behind rich sediment on which the state (and much of its economy) was built. However, over the past 200 years human interference aimed at controlling this great river have resulted in as much loss for the state and the people who call it home as it has benefits. While countless homes have been saved from protection levees built and the economy has been built on reliable river navigation, these efforts have also had detrimental

consequences. Our coastal wetlands are being lost at an alarming rate and in many coastal areas land is sinking. Each time a hurricane hits coast Louisiana, the state is reminded of the great importance of healthy wetlands to protect its inhabitants from storm surge and waves.

The loss of land Louisiana has and will face over the next hundred years is catastrophic, warranting immediate attention and significant resources. Changing Course is an independent effort led by local and national leaders, with the support and participation of the State of Louisiana and U.S. Army Corps of Engineers (USACE). The competition will bring together prominent engineers, scientists, planners, and designers to address these issues and bring innovative ideas and solutions to the table in time to inform Louisiana's next coastal Master Plan in 2017.

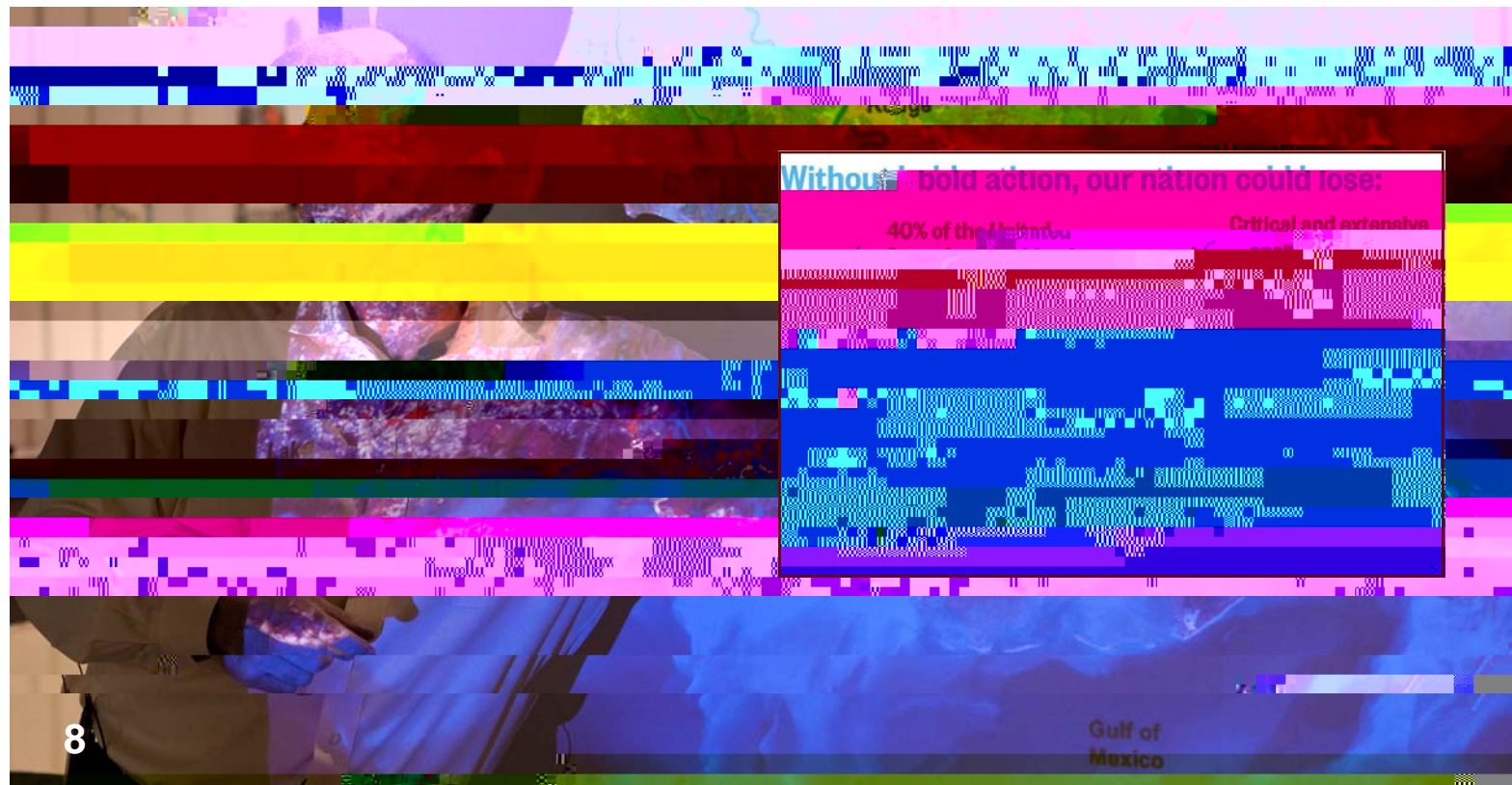
For more information about this competition and to learn more about issues facing the Mississippi Delta, visit <http://changingcourse.us>

By John A. Graves
Chair of the CEE EAB

By every stated account of upcoming business activity for the next five plus years an unprecedented boom in industrial expansion is predicted. Recent forums have even placed the direct monetary value at or near the \$100

billion figure. While much of the projected activity will be located in the Mississippi River corridor in the southern part of the state, significant activity is forecast over a large geographic area which will directly and indirectly affect many sectors of our state's economy. Leading the parade in many ways will be the engineering and technical resources of the state.

I attended LSU in the 1960's, a period which is generally regarded as the only comparable to what is expected in the next 5-10 years for industrial growth and expansion. My perceptions and memories of that



Hurricanes bring extreme weather conditions with