



CIVIL ENGINEERING BUILDING

CIVIL ENGINEERING

September 2017

IN THIS ISSUE

Department Chair Welcome

Welcome to our September 2017 newsletter. To those of you who are just beginning your undergraduate career at UTRGV, I welcome you to a transformative period of your life. To those of you who are continuing your undergraduate work, I wish you a productive year, whether you are studying, conducting research or a combination of these. I always find the beginning of each new semester to be full of promise for the future. This year is no exception. I hope you had a restful and refreshing summer break, because the coming semester is already shaping up to be a busy and productive one. The Civil Engineering Department is excited to present the first issue of the Department's Newsletter. We would like this letter to be a

place where students past and present can connect, faculty can share their research, and the department can announce news and events. In this newsletter we will also showcase our Student of the Month, we hope to celebrate individual achievement by creating a culture of learning that values academic success as well as elevates awareness of student contributions to the Department.

If you are interested in including an announcement or submitting pictures please feel free to contact us.



Student of the Month

Congratulations to this September's Student of the month

Page 2



2017 Stormwater Conference

Student of the Month

Mario A. Gonzalez

Q: What made you decide on your current major?

A: Civil engineering, which has to do with design, construction and maintenance of roads, highways, bridges, canals, dams and buildings, is the second oldest engineering discipline with a history back to 4000 to 2000 BC. As a civil engineer, I will have the opportunity to help create a better infrastructure in our cities, states, or nation by adapting to the change and needs of our society.

Q: What are your plans after graduation?

A: After graduation, I plan to get certified and licensed by the state of Texas as a civil engineer. I see myself working with a civil engineering firm or establishing my own.



Mario doing surveying work as part of the "CIVE 2220, Civil Engineering Measurements" course



Stormwater Conference at SPI

The University of Texas Rio Grande Valley hosted the conference, along with the Lower Rio Grande Valley Texas Pollutant Discharge Elimination System (TPDES) Storm Water Task Force. The multi-faceted five-day conference included panel discussions, informational presentations, workshops, discussions and student competitions.

Founded in 1998 by Andrew Ernest, Ph.D., professor and chair of the UTRGV Civil Engineering Department, and Javier Guerrero, E.I.T., director of Water Studies of the UTRGV Civil Engineering Department, the conference focus is on research topics germane to South Texas and the U.S.-Mexico border region, with a goal to develop team-based and research inspired programs to train and educate future engineers.

ASCE student chapter also participated in the annual Stormwater Conference at SPI, where students helped the logistics of the event and held a booth to inform visitors about the benefits of participating in an organization.





Railway Safety Summer Camp

Summer 2017 was filled with activities, eight ASCE members had the opportunity to participate in the Railway Safety Summer Camp, where aside from helping out and promoting STEM; the volunteers that excelled at this were able to fundraise \$2000 towards the 2017 Steel Bridge and Concrete Canoe construction and qualified for a trip to San Antonio in September for an EPA Conference to be able to network and learn more on LID components visiting sites around the city.

Other students got the opportunity to participate in the First Annual Civil Engineering Summer Camp, where students were given a glimpse of what Civil Engineering is about, working with wood trusses and concrete. Showing them that working can actually fun.

OPEN HOUSE



Open House was hosted to provide information about the Civil Engineering department including curriculum, faculty & staff and student organization. The outcome of this open house was for students to get know more about the Civil Engineering department and to prepare for a successful semester.

PROYECTO AZTECA

ASCE students are involved in the community by donating their time and effort to help less fortunate individuals through programs like Proyecto Azteca, a non-profit self-help construction company located in San Juan, TX. Proyecto Azteca was created to respond to the housing crisis in Texas' Rio Grande Valley colonias located in Hidalgo County.

Today Proyecto Azteca is a nationally recognized, community-directed, self-help housing organization that has financed and trained more than 600 families in the construction and first time ownership of their own homes in over 150 Hidalgo County colonias.



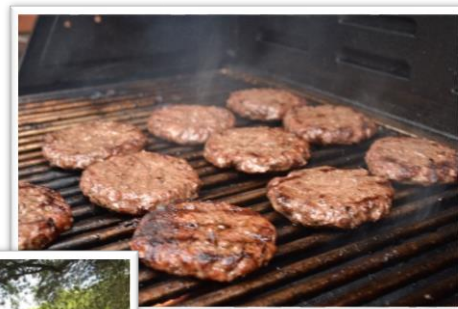
PROYECTO AZTECA



To read more about what they do for our community go to their website: www.proyectoazteca.org

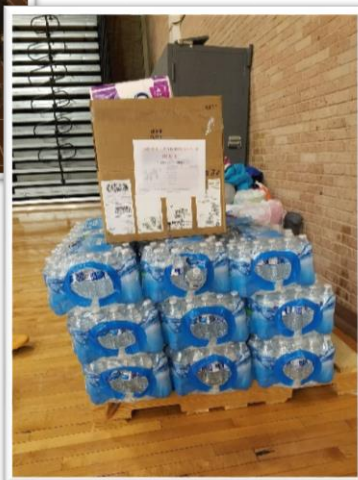
ASCE Fundraiser

This year's ASCE Student Chapter recently had a small fundraiser by selling burgers to meet their yearly goal. Look forward to a Newsletter from ASCE for future fundraising dates and support your fellow classmates!!



HURRICANE DONATION DRIVE

Thank you to everyone that contributed to the Civil Engineering's Harvey Donation Drive to benefit those affected by the Hurricane



SAVE THE DATE!

First Annual Sustainable Civil Infrastructure Management & Planning Conference

Theme: Transportation Topics

For Sponsorship & Exhibitor information and for speaking/presenting opportunities contact:


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TIME, LOCATION & DETAILS

NOVEMBER 16 & 17, 2017
WESLACO ECONOMIC DEVELOPMENT CENTER
275 S. KANSAS AVE.
WESLACO, TX 78596



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Edinburg TX 78539-2999
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UTRGV Admissions and Recruitment

Email: admissions@utrgv.edu
Phone: 888-882-4026

College of Engineering & Computer Science

CIVIL ENGINEERING

Be Somebody - Be a Civil Engineer

Make the Smart Choice

- Become part of a student-centered environment, where small class sizes translate into individual attention
- Opportunities to participate in numerous student activities
- Our tuition costs are very competitive and most students receive financial aid

Civil Engineering

Civil engineering targets engineering solutions to infrastructure design and protection/improving built environment using applications of natural sciences and mathematics.

Civil Engineers

The wellness and convenience of our modern world is due largely to the infrastructure provided by civil engineers: Water distribution system, water and wastewater treatment, structural design and construction management, foundations, transportation networks, and environmental protection are all examples of civil engineering work that supports our civilization.

Program Educational Objectives:

- Provide students with a broad engineering curriculum covering engineering fundamentals and major subject areas including water resources, structures, geotechnical, and construction management engineering.
- Introduce students to interdisciplinary approaches and help them obtain the skills necessary to analyze, design, and manage construction.
- Incorporate cutting-edge environmental research into the undergraduate environmental engineering curriculum to promote effective learning experiences.

- Provide student training in sustainable development principles at the local, regional, national, and international scales by incorporating new technologies, engineering science, and emerging structural issues.
- Enhance student learning by providing students with the opportunity to participate in professional conferences and a variety of other educational media, such as internship programs and student engagement activities.

Employment Opportunities:

Civil engineering graduates find positions in a variety of organizations: consulting firms, state and federal agencies, and industry. According to reports released by several agencies including the U.S. Department of Labor, a significant increasing demand for civil engineers is expected at all levels of local, state, national and international over next ten years. Thus, employment opportunities for civil engineering graduates will be very favorable.

Scholarships Available

A variety of scholarships, research assistantships, and summer internships are available for civil engineering students. Please contact us for more details.

Curriculum:

A detailed civil engineering program curriculum may be found on the other side.

Further information:

<http://www.utrgv.edu/cive/> or <http://www.utrgv.edu/undergraduate-admissions/contact-us/index.html>. We also invite you to visit us in either of our campus locations in Brownsville or Edinburg. Please call to arrange a time to visit with our faculty.

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