



SPRING 2021 NEWSLETTER

MESSAGE FROM THE HEAD OF THE SCHOOL OF CIVIL AND ENVIRONMENTAL ENGINEERING

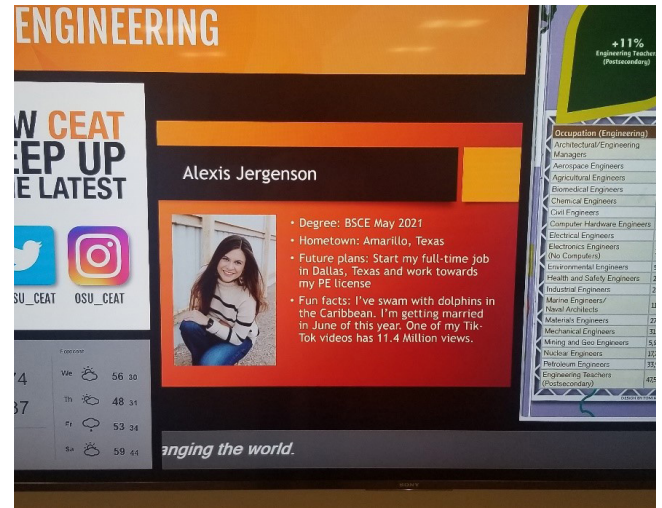
First, the good news. Every BSCE student enrolled in our senior design course in May 2020, December 2020, and May 2021 graduated. I believe that's a great accomplishment under these difficult circumstances.

We are slowly working our way back closer to normal. We expect that the Fall 2021 semester will look very much like Fall 2019. At least, that is the OSU plan.

We now have a Twitter feed <https://mobile.twitter.com/CiveOsu> - thanks to Kim Anderson for setting it up.

If you have items to suggest for our next newsletter, please email them to me.

Norb Delatte
Phone: 405-744-5190
Email: norb.delatte@okstate.edu



HALL MONITOR DISPLAYS

To recognize our May and August 2021 BSCE graduates, we set up a slide show on the 2nd floor computer monitors in halls and offices. We did this for our 2020 BSCE graduates as well.

CONGRATULATIONS TO OUR GRADUATES!



GRADUATES CONTINUED

SPRING 2021 GRADUATES

B.S. Civil				
Adams, Conley Alsaleh, Jumanah Baquer, Hussain Barton, Maximilien Branch, Christian	Fodor, Joseph Fuller, Jacqueline Garcia, Jose Husain, Abdullah Jergenson, Alexis	Klumpp, Elizabeth Landreville, Shannon Leatherland, Haydn Martinez, Guillermo Mcgill, Jonathan	Nwakoby, Stephanie Ridley, Bryson Roberts, Cole Smith, Caleb Spaugy III, Loyd	Turner, Brock Wattenbarger, Kyler Willis, Garrett Zheng, Wanying
B.S. Civil with Env Option				
Barnes, Dominique	Bunch, Olivia	Ford, Dawniece	Hess, Kendra	
M.S. Civil				
Dallalzadeh Atoufi, Hossein	Dickey, Michael	Ponnusamy, Niyanthan	Salazar Munoz, Mayra	Throwbridge, Matthew

SUMMER 2021 GRADUATES

B.S. Civil				
Anderson, Noah	Root, Tyler	Pekrul, Jacob	Raymer, Jesse	
M.S. Civil				
Al Sakini, Aya	Emerson, Loren	Gage, Grant	Hall, Alissa	Sawant, Hrishikesh
Ph.D				
Becker Hall, Hope	Khaleghian, Mohammad			





DR. MOHAMED SOLIMAN EARNs PRESTIGIOUS OFFICE OF NAVAL RESEARCH 2021 YOUNG INVESTIGATOR AWARD

This puts him in some very elite company. See <https://www.onr.navy.mil/en/Education-Outreach/Sponsored-Research/YIP/2021-young-investigators>

YIP/2021-young-investigators

The project is in Ship System Reliability and Resiliency.



DR. KELVIN WANG ELECTED TO DISTINGUISHED MEMBER OF ASCE

Please join me in congratulating Professor Kelvin Wang for his election to Distinguished Member of ASCE!

For those of you who are not aware of the category, Distinguished Membership is the highest honor ASCE can bestow. It is reserved for civil engineers who are either ASCE Members or Fellows. One

class of no more than about a dozen recipients is formally inducted annually. He is in excellent company: https://www.asce.org/distinguished_members/

The membership grade levels are: Student Member, Associate Member, Member (after PE), Fellow, and Distinguished Member.



Wanying Zheng, pictured with a friend

SPRING CEAT AWARDS: CIVE HAD A GREAT SHOWING THIS YEAR

CIVE Outstanding Senior and Orange Robe Graduate (top student in CEAT) | **Wanying Zheng**

CEAT Dean's Overall Outstanding Graduate Student and CIVE Outstanding Graduate Student | **Hope Hall Becker**

CEAT Outstanding Performance Award | **Kim Anderson**

CEAT Excellent Scholar Award | **Dr. Mohamed Soliman**

Five Years of Service | **Dr. Mohamed Soliman**

STUDENT ORGANIZATION NOTES

The American Society of Civil Engineers remained active, under the circumstances, and had some excellent meetings with practitioners. The students are looking forward to returning to in-person meetings next fall, with food! They are also preparing for the move to a new conference next year. As part of ASCE realigning the student conferences, OSU will now be part of a new conference including Texas, New Mexico, Oklahoma and several schools

from Mexico. It will be a big change after decades in the Mid-Continent conference, and a chance to build some new rivalries. Regionals next spring will be in Houston.

The Engineers Without Borders student chapter continued to make progress this year, despite being unable to travel over the past two spring breaks. We have started a new project in the town of El Rancho, in central Guatemala, for which

we will be designing and overseeing the construction of a pipeline from a new water storage tank (currently under construction) to the village. Because we could not do any on-site assessments this past fall, we hired engineers in-country to provide a survey and other site information. Preliminary design work has begun, and we are hopeful that we will be able travel next year, complete the design, and work with local contractors to begin construction.

ACI EXCELLENT UNIVERSITY - AGAIN



TIMBER BRIDGE AWARDS

2020 NATIONAL TIMBER BRIDGE DESIGN COMPETITION - Summary of Results										
This Competition is open to all ASCE and FPS Student Chapters at Universities and Colleges across the US and Canada. 2020 was the 28 th year of this event.										
School/Team	Net Bridge Deflection (1) mm	Net Deck Deflection (2) - % of allowable -	Total Bridge Weight - kg -	Percent Non-Wood (3) - % -	Best Overall Design	Best Support Structure	Best Deck	Most Practical Design	Most Aesthetic Bridge	Most Innovative Design
ASCE - American Society of Civil Engineers FPS - Forest Products Society										
New Jersey Institute of Technology	7.61	47.6	360	1.8	5	4	5	2	5	5
ASCE										
Oklahoma State University ASCE - Gordan Team (Box Beam)	5.86	7.8	523	2.6	4	3	4	4	6	2
Oklahoma State University ASCE - Schwarz Team (Above Truss)	2.31	24.2	452	3.6	1	2	3	1	3	4
Oklahoma State University ASCE - Norris Team (Three Truss Under)	4.39	0.3	494	6.7	3	5	1	5	2	3
San Francisco State University ASCE - Maldonado Team	1.12	12.2	695	2.1	2	1	2	3	1	1
San Francisco State University ASCE - Ewing Team	34.04	**	499	4.1	6	*	**	6	4	6

1- Maximum Allowed = 10 mm 2- Maximum Allowed = deck span ÷ 100 3- Maximum Allowed = 25%

*Bridge Deflection Exceeded Maximum Allowable.
** Deflection Points Not Gauged Properly; Deck Span Not Measured Properly.

Corporate Sponsor: **Bell Structural Solutions (Minnesota), a division of Bell Lumber & Pole Company**

Our Timber Engineering students did great again at last year's National ASCE/FPS Timber Bridge Competition.

The team led by Rachel Schwarz won 1st Place for Best Overall Design. This is considered the overall winner.

The team led by Lucas Norris won 1st Place for Best Deck and 3rd Place for Best Overall Design.

The team led by James Gordan won 2nd Place for Most Innovative Design and 3rd Place for Best Support Structure.

A LETTER FROM ED STOKES, CLASS OF 75, FORMER CHAIR OF THE CIVE ADVISORY BOARD

Dear Fellow OSU CIVE Alumni,

Hello, my name is Ed Stokes. I graduated from OSU with a BS in Civil Engineering in 1975. Today, I'm retired after having had a 40-year career with ConocoPhillips. I've had a great run and was able to do many things and see more of the world than I ever thought I would when I graduated so many years ago. The time has sure gone too fast, but there are still things that need to get done.

And so, I'm writing you because you are also an alum of the OSU School of Civil and Environmental Engineering and there is a big need, back at OSU, that could sure use your financial help.

As I believe most of you know, the OSU College of Engineering, Architecture and Technology has been on a building program these past few years, literally changed the structure and capabilities of the College. The rating of the College continues to move up the list. Over these last few years the College, under Dean Tikalsky, has grown significantly and these new facilities are attracting even more students. The enrollment in engineering is now well over 4000 and continues to grow. New facilities include the Bert Cooper Materials and Structures lab north of campus, the ENDEAVOR Lab to the east of Engineering North next to the Architecture Building as well as multiple floor restorations in Engineering North. Work is also going on to completely redo Engineering South. The School of Civil and Environmental Engineering is now located on the 2nd floor of Engineering North and its these new digs that I'm writing to you about now.

In CIVE, the School Head, Dr. Norb Delatte, completed the renovation of the new department home back in late 2019. If you haven't been there to see these new facilities, you really should try to go by as soon as you can. You would be both impressed and proud of what's happened. When the restoration was underway, I made a commitment to Dr. Delatte that as soon as I had finished with my commitment to the ENDEAVOR Lab, I would begin making a donation to help cover part of the cost of the restoration. Well, I was able to start that this month. It will take me a few years to get it done but that's okay.

I'm writing you and asking that you join me in helping to cover the remaining cost of the restoration for the faculty and young men and women that are getting their degrees at OSU today. Look, I know that asking for money isn't popular and it is why I contacted Dr. Delatte to ask if I could take pressure off him by writing you. Why do I do this? No, I'm not a wealthy man but I live a comfortable life. With that said, the education I got at OSU literally changed my destiny and I'll never forget it. I now want to give back to the institution that helped me achieve that. I'd imagine your education impacted your life as well.

Attached you'll see the layout of the floor plan of the new Civil Engineering Department. Everything in grey has already been sponsored. You'll notice that there is a lot more to be done and this is why I felt it important to reach out to you. You have the opportunity to do all you want and your donation can be made over a few years. I usually try to cover mine in three years. If you have company matching that can reduce the load on you. If you have kept up with some of your classmates, you can club together to fund something even bigger. Please seriously consider participating in this effort. Your help is sorely needed.

The easiest way to proceed with a donation/pledge is to contact Jill Johnson of the OSU Foundation at: jjohnson@osugiving.com. You could also contact Dr. Delatte for assistance at norb.delatte@okstate.edu. The rest will be easy. I want to tell you that you will not have any regrets in making the donations because we all know that it will be helping to impact lives and build careers. Please help me do this!!

Thanks for your kind consideration.

Ed Stokes
OSU - CIVE, BS-1975

Go Pokes!!!

The Civil and Environmental Engineering Fund (26-66000) is probably our single most important fund. This is the general purpose fund that we can use to support all of our departmental initiatives. This fund supports:

- Recognition of our graduates, which traditionally includes the Senior Dinner and the Cowboy Hard Hats and safety vests
- Support to student clubs and organizations
- The Engineering North renovation project, as well as furniture and other enhancements for the new spaces
- Study Abroad travel scholarships
- Supporting our efforts to recruit high quality faculty for the program

Therefore, I would like to ask you to help us out with that fund. Through summer 2019, the School has awarded over 3,000 BSCE degrees. If half of our graduates gave just \$ 50 every year, that would provide \$ 75,000 to support these efforts.

Opportunities remain to support the Engineering North 2nd Floor Renovation Project. The figure below shows the spaces that have been named in gray. There are several faculty offices and other spaces that you can sponsor.

Did you know?... You can make a bigger impact by donating long-term appreciated securities (like stock, bonds or mutual funds) directly to the OSU Foundation. Compared with donating cash or selling your appreciated securities and contributing the after-tax proceeds, you may be able to automatically increase your gift and your tax deduction by bypassing capital gains while you take a tax deduction for the full fair market value.

CIVIL & ENVIRONMENTAL ENGINEERING

Engineering North 2nd Floor Renovation

Naming Opportunities

<p>School \$20M</p> <p>Chair \$1M</p> <p>Office Spaces</p> <p>School Head Office \$30,000</p> <p>Advisor Office \$10,000</p> <p>Staff Office (3) \$10,000</p> <p>Visiting Faculty Office (3) \$10,000</p> <p>Faculty Office (16) \$10,000</p> <p>Program Coordinator Office (1) \$15,000</p> <p>TA Office \$30,000</p> <p>Conference Rooms</p> <p>Shared Conference \$100,000</p> <p>Flexible Seminar NAMED</p>	<p>Professorship \$500,000</p> <p>Student Org. Flex Space \$40,000</p> <p>Conference Room - Medium \$30,000</p> <p>Conference Room - Small \$20,000</p> <p>Meeting Spaces</p> <p>Student Commons NAMED</p> <p>Visitor/Reception Area NAMED</p> <p>Faculty Commons \$25,000</p> <p>Lactation Space \$10,000</p> <p>80-Person Classroom \$250,000</p> <p>Student Lounge \$75,000</p> <p>Survey Equipment Room NAMED</p>	<p>How to Give</p> <ul style="list-style-type: none"> • Go to OSUgiving.com/CIVE • Complete the secure, online form <p>For more information contact Jill Johnson at jjohnson@OSUgiving.com or 405.385.0733.</p>
---	---	---

NEW FUND AGREEMENTS

We had a number of new funds created in 2021, all to support students with scholarships and fellowships. Thank you so much to these generous donors.

FY 2021

- Jon and Glenda Nelson Endowed Scholarship in CIVE
- Myron and Judy Hayden Endowed Scholarship in Civil and Environmental Engineering

KEEPING UP WITH THE PROGRAM

This fall I recorded a new recruiting video <https://youtu.be/7UfYzkWVKPc>

Please pass this on to any potential students for our program.

Do you want to get regular updates on the School? Join our OSU CIVE LinkedIn group <https://www.linkedin.com/groups/12013094>

Please support the School of Civil and Environmental Engineering! You can do so by clicking the button below.



KEEPING UP WITH THE PROGRAM

Payment options -- Please note Fund #26-66000 CIVE on all gifts:

- Check, made out to Oklahoma State University Foundation -Mail to: OSU FOUNDATION, Attn: Jill Johnson, 400 S. Monroe, Stillwater, OK 74074
- Give online at OSUgiving.com/GiveNow (Search for Fund #26-66000; Can be one-time or recurring gift)
- Call the OSU Foundation at (800) 622-4678
- Pledge your naming gift using the attached form



SCHOOL OF
**CIVIL AND ENVIRONMENTAL
ENGINEERING**
College of Engineering, Architecture and Technology

GIFT/PLEDGE FORM

MAJOR GIFTS



In consideration of my/our interest in supporting the mission of Oklahoma State University, I/we wish to make a gift as outlined below:

Pledge contributed by donor:	Pledge contributed by company matching gift:	Total Pledge:
\$ _____	\$ _____	\$ _____

To be designated as follows:

My/our gift commitment will be fulfilled in the following manner:

Total pledge to be paid over _____ years (not to exceed five) as follows:

First pledge payment of \$ _____ to be made on or about _____ (date)

Remaining pledge payments to be made on the following schedule:

_____ annually, beginning on _____ (date)

_____ other _____

Please make check payable to OSU Foundation. A pledge reminder letter will be sent to you prior to each pledge payment date. To learn more about how gifts are allocated, please visit OSUgiving.com.

For gift recognition purposes, please list my/our name(s) as indicated below:

_____ I/we wish to remain anonymous.

Print Name _____ Signature _____ Date _____

Print Name _____ Signature _____ Date _____

Address _____

City _____ State _____ Zip _____

You will receive receipts for the tax-deductible portion of your payment itemizing your contribution.

Corporate Matching Gifts:

_____ This gift will be matched by my employer, _____.