



# Columbus Engineer

## Franklin County Chapter

A chapter chartered by the Ohio Society of Professional Engineers.

P.O. Box 69  
Reynoldsburg, OH 43068-0069

Dec. 2020  
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### President's Message

Dustin Doherty, P.E., CPESC  
– FCC President



The Board for the Franklin County Chapter continues to meet every month via Zoom meetings. We are continuing to coordinate programs, community outreach, and discuss membership on a regular basis. We are still actively at

work planning, in-order-to not only allow this organization to continuing operating smoothly during this time, but also aggressively seeing how we can reach the community.

We are preparing for our virtual programs in 2021 which will feature various speakers and include an ethics presentation for those who need that qualification for renewal. Please stay tuned for more information and how to register.

Additionally, we have many events coming up. One of the things that I love about this organization is the many ways in which we are able to reach the community and give back, including MathCounts, Imagine Engineering, Engineer for a Day, and various others. In-light-of the times, each of these

are turning to virtual events to serve those who participate and volunteer.

Lastly, I would like to wish everyone a safe and happy holiday season. On behalf of the entire OSPE FCC community, I would like to thank you for allowing us to be a part of your 2020 and to serve you. We look forward to continuing to be a part of this organization in 2021 and beyond.

*Merry Christmas  
and Happy Holidays!*



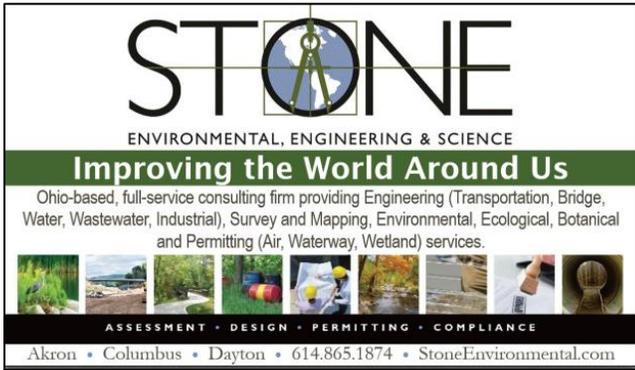
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### E-Week 2021 Information

The E-Week Luncheon “Imagineering Tomorrow” is scheduled for February 25, 2021. This will be a virtual luncheon hosted on “GoToWebinar”. The E-week committee has scheduled presenters Joanna Pinkerton (COTA) and Mandy Bishop (COC – Smart),

The E-week Committee will be reaching out to solicit corporate sponsors/donations. A Save the Date flyer will be issued soon.





### NOMINATIONS BEING ACCEPTED FOR FIVE AWARDS

Nominations are being accepted for the following five OSPE awards. To be considered for this year's awards, an application forms must first be completed, and the nomination will then be presented and approved by the FCC-OSPE Board during a regular Board meeting.

**OSPE Citation** – This is the highest honor that OSPE bestows upon an engineer. This award is presented annually to an Ohio Engineer with distinguished leadership in the engineering profession and in appreciation of selfless devotion to the highest ideals of service to society and to fellow man; and for sustained contributions to the technical and professional aspects of the engineering professions.

**Meritorious Service Award** – This award is presented on-the-basis of service to OSPE at both, the Chapter and the state levels and for outstanding contributions to the goals and objectives of OSPE. The award recipient shall be an active member in his/her Chapter and the emphasis is placed on continuous meritorious service over a long period of time.

**Outstanding Engineering Student Award** – This award is presented to an engineering student from an ABET accredited Ohio engineering school based on scholastic achievement, participation in professional, technical, and other activities.

**Outstanding Engineering Educator Award** – This award is presented to a member of the engineering faculty of an ABET-accredited engineering program in an Ohio school and the educator shall have at least 5 years of experience subsequent-to graduation from an accredited Engineering school and must be teaching an engineering course during the current term.

**Outstanding Engineering Achievement Award** – This award is presented in recognition for outstanding engineering accomplishments in manufacturing, construction or design, or combinations thereof. The nominated projects must have been completed during the calendar year preceding the award presentation and the nominated projects may be located outside the chapter geographical area.

Consider nominating your company, a colleague or even yourself for one of these awards. Don't Delay! Contact your local Franklin County Chapter Awards committee, Tina Sutermeister P.E., F.NSPE, [tlsuterm@embarqmail.com](mailto:tlsuterm@embarqmail.com).





## FCC Constitution Revisions



The proposed Constitution revisions required that “In order to be effective, proposed amendments must be voted upon favorably by at least two-thirds of those members voting.” Joe Sullivan reported that the changes were approved by the membership.



## How COVID-19 Has Altered OSU’s Schedule

This year’s situation with COVID-19 has drastically affected a lot of organization schedules. There is a dramatic impact on the students and staff of The Ohio State University. I will touch on the highlights that may be of interest to OSPE members. Some of this information may have been disseminated on local media including TV, radio, and newspaper while some may have been largely internal OSU communications.

Effective at 6 pm. on November 20, in-person classes were moved to online or other forms of remote instruction. Exceptions where in-person instruction is permitted include clinical programs conducted under approved safety protocols as well as laboratory, studio and performance classes.

The week of November 30 was the last week of regularly scheduled classes. University libraries

offer contactless services and buildings will be closed to the public.

To prepare for winter break, students were encouraged to get a test for COVID-19 prior to leaving campus once the test result had been received. Instruction for the remainder of the semester will be mostly virtual and exams will also be virtual. Autumn commencement will be virtual on December 13. It was announced that Jerry Revish, an Emmy award-winning reporter and former broadcast news anchor in central Ohio, will be the commencement speaker. Commencement will be live streamed at 2:00 pm with a pre-ceremony program at 1:30. Diplomas will be mailed.

It seems that the academic calendar for the spring semester is still subject to change but the initial two weeks of the semester will be virtual. Students will return to campus the third week of January

While it is impossible for all staff to work from home the University has encouraged staff to work from home when telework is feasible.

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## OSU Appoints New Dean of Engineering and New Executive Vice President for Research

Dr. Ayanna Howard will be the new dean of the College of Engineering, as of March 1, subject to Board of Trustees approval. Dr. Howard is an accomplished roboticist, entrepreneur and educator. She comes to Ohio State from the Georgia Institute of Technology, where she is chair of the School of Interactive Computing in the College of Computing as well as founder and director of the Human-Automation Systems Lab. Dr. Howard will follow Dr. David Williams, who shared in May that he would be stepping down after a decade of outstanding service and accomplishment as dean.

Dr. Grace Wang began her role as OSU’s executive vice president for research, innovation and knowledge enterprise. Kristina M. Johnson, president of The Ohio State University, announced that “Grace” Jinliu Wang, a veteran higher education administrator, has been appointed to fill the newly created post where she will play a lead role in

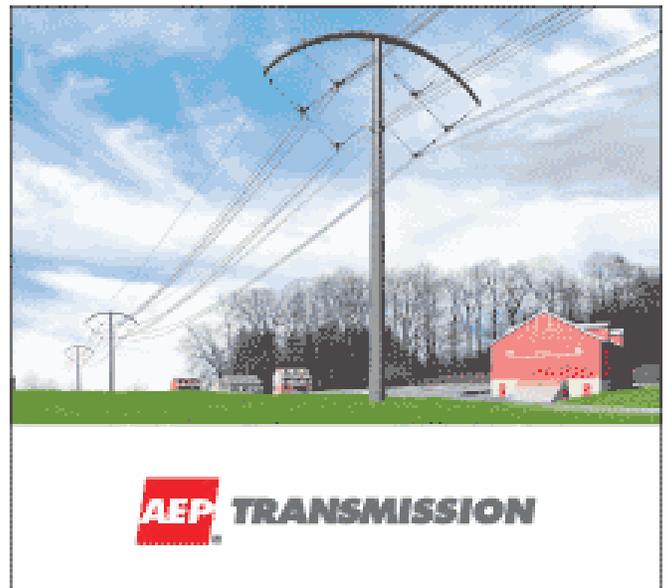


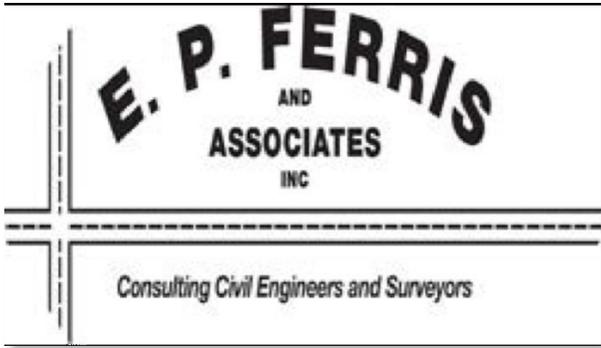
expanding the university's cutting-edge research, creative expression and scholarship; as well as building strategic partnerships.

Under Wang’s leadership, Ohio State will be consolidating and leveraging a number of existing offices and programs into one unit, including the

Office of Research, Corporate Engagement and Technology Commercialization Offices, the Keenan Center for Entrepreneurship and the West Campus Innovation District. In her new role, Wang will focus on growing key strategic research areas and enabling large-scale research activities that hold the promise to push disciplinary boundaries and address societal challenges. She will help attract, support and empower leading scholars from diverse backgrounds to further stimulate frontier research and cultivate a dynamic culture for sustainable research growth.

Wang will lead the team to identify and engage with key strategic stakeholders including the state and federal government, industry, nonprofit institutions and national labs to support Ohio State’s innovative goals. She will guide the Corporate Engagement Office in cultivating critical partnerships and investing in strategic growth areas to enhance the university’s position as a leading academic partner for R&D collaborations and startup activities





## Arecibo's Collapse Sends Dire Warning to Other Aging Observatories



The U.S.'s famed Arecibo Observatory survived all manners of threats since its construction in a bowl-shaped natural sinkhole in the forested hills of Puerto Rico in 1963. It persisted through everything from hurricanes and earthquakes to wild swings of the federal budgetary scythe. That history made it all the more shocking last week when the catastrophic failure of multiple massive suspension cables sent a 900-ton (817-metric-ton) equipment platform plummeting straight through the 305-meter radio dish that was Arecibo's heart, shattering it beyond repair. As news of the observatory's ignominious end spread, people around the globe—many professional astronomers among them—mourned almost as if they had lost an old friend.

That loss, however, was most keenly felt by the generations of Puerto Ricans who saw in Arecibo something more than a cultural fixture akin to the island's rain forest and rum. "As a world-renowned scientific facility that provided invaluable data to the defense of our entire planet, Arecibo was the gateway to science for many Puerto Ricans," says Edgard Rivera-Valentín, a planetary scientist at the Lunar and Planetary Institute in Houston, Tex., whose career, like many, was shaped by the observatory. "It took me a while to even be able to look at the video of the platform falling."

In the aftermath, an uncomfortable question remains: What happens now? As officials hover over the observatory's grisly remains, they must decide whether to rebuild and upgrade it, no matter the cost, or to abandon all hope of any resurrection, channeling money that might otherwise be spent financing Arecibo's reconstruction into new projects that, just maybe, could fill the gaps that this legendary facility leaves behind.

*(Excerpted from NSPE DAILY DESIGNS dated December 15, 2020)*



**PROUDLY DISPLAY YOU ARE A PROFESSIONAL ENGINEER**

Frame your license plate with a black frame and raised white letters. The frames are ideal gift for newly licensed Professional Engineers, or for a spouse, an associate, friend, son or daughter who is a Professional Engineer. This is also a great way to recognize the new Professional Engineer in your organization by presenting them with a Professional Engineer License Plate Frame.



These frames are available through the Franklin County Chapter of the Ohio Society of Professional Engineers, web site: [www.fccospe.org/store/](http://www.fccospe.org/store/). Each frame requires a \$5.00 donation plus Shipping and Handling.



## 2020-2021 CALENDAR

DATE	TIME	DESCRIPTION
Sept. 4	10:00 a.m.	Deadline for September <i>Columbus Engineer</i>
Sept. 8	5:30 p.m.	FCC Board Meeting @ CEC, Inc. (Virtual)
Oct. 5	5:00 p.m.	Deadline for October <i>Columbus Engineer</i>
Oct. 6	5:30 p.m.	FCC Board Meeting @ CEC, Inc. (Virtual)
Oct. 15	11:30 a.m.	Program: <b>No Program</b> (Virtual)
Nov. 5-6		EFO Fall CPD Conference
Nov. 9	5:00 p.m.	Deadline for November <i>Columbus Engineer</i>
Nov. 10	12:00 p.m.	FCC Board Meeting @ CEC, Inc. (Virtual)
Nov. 19	11:30 a.m.	Program: <b>No Program</b> (Virtual)
Dec. 5	5:00 p.m.	Deadline for December <i>Columbus Engineer</i>
Dec. 8	5:30 p.m.	FCC Board Meeting @ CEC, Inc. (Virtual)
Jan. 11	5:00 p.m.	Deadline for January <i>Columbus Engineer</i>
Jan. 12	5:30 p.m.	FCC Board Meeting @ CEC, Inc. (Virtual)
Jan. 21	11:30a.m.	Program: <b>TBD</b> (Virtual)
Jan. 30	5:00 p.m.	Deadline for February <i>Columbus Engineer</i>
Feb. TBD	8:00 a.m.	Regional <b>MathCounts</b> Competition – (Virtual)
Feb. 8	5:00 p.m.	Deadline for March <i>Columbus Engineer</i>
Feb. 9	5:30 p.m.	FCC Board Meeting @ CEC, Inc. (Virtual)
Feb. 21-27		National Engineers Week (see <a href="http://www.eweek.org">www.eweek.org</a> )
Feb. 24	8:00 a.m. – 3:00 p.m.	Engineer for a Day Program
Feb. 25	11:30 a.m.	Program: E-Week Luncheon: “Imagineering Tomorrow” (Virtual – GoToWebinar) Presenters: Joanna Pinkerton, Many Bishop
Mar. TBD	8:15 a.m. – 4:00 p.m.	Ohio <b>MathCounts</b> Competition (OSPE, see <a href="http://www.ohioengineer.com">www.ohioengineer.com</a> )
Mar. 9	5:30 p.m.	FCC Board Meeting @ CEC, Inc. (Virtual)
Mar. 18	11:30 a.m.	Program: <b>TBD</b> (Virtual)
Mar. 30	5:00 p.m.	Deadline for April <i>Columbus Engineer</i>
Mar. TBD		District Science Day @ CSCC
Apr. 13	5:30 p.m.	FCC Board Meeting @ CEC, Inc. (Virtual)
Apr. 14	5:00 p.m.	Deadline for May <i>Columbus Engineer</i>
Apr. 15	11:30a.m.	Program: <b>TBD</b> (Virtual)
May 11	5:30 p.m.	FCC Board Meeting @ CEC, Inc. (Virtual)
May 20	6:30 p.m.	Chapter Officer Installation/ Awards Dinner
May 24	5:00 p.m.	Deadline for June <i>Columbus Engineer</i>
June 8	5:30 p.m.	FCC Board Meeting @ CEC, Inc. (Virtual)
July TBD	(TBA)	FCC Budget Meeting - Location to be announced

### Civil & Environmental Consultants, Inc.

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## WHERE DO I GET MORE INFORMATION?

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NSPE WEBSITE:	<a href="http://www.nspe.org">www.nspe.org</a>	
To volunteer to help with <b>MATHCOUNTS</b> :	<a href="mailto:benjamin_brown68@yahoo.com">benjamin_brown68@yahoo.com</a>	(614) 519-8978
To volunteer to help with Science Day:	<a href="mailto:yogesh.rege@terracon.com">yogesh.rege@terracon.com</a>	(614) 863-3113
To volunteer to help with OSU Student Chapter:	<a href="mailto:mccarthy.226@osu.edu">mccarthy.226@osu.edu</a>	(614) 247-1561
To volunteer to help with Imagine Engineering:	<a href="mailto:devonseal1@gmail.com">devonseal1@gmail.com</a>	(614) 221-0678
FCC Luncheons / Programs:	<a href="mailto:ebriedis@cecinc.com">ebriedis@cecinc.com</a>	(614) 468-6222
New Members / Membership Application	<a href="http://www.nspe.org">www.nspe.org</a> or <a href="http://www.ohioengineer.com">www.ohioengineer.com</a>	(614) 223-1144





2019-2020 OFFICERS,  
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	PEC Trustee	TBD		

*Merry Christmas!*



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