



Columbus Engineer

Franklin County Chapter

A chapter chartered by the Ohio Society of Professional Engineers.

P.O. Box 69

Reynoldsburg, OH 43068-0069

March 2023

Vol. 81 No. 6

President's Message

Nathan Abele, P.E.
– FCC President



FCC-OSPE joined with other professional organizations for the Central Ohio E-Week luncheon on February 23, 2023, at Vila Milano. We are changing our programs to the first Thursday of the month to try to avoid overlapping with another professional society's meeting. On March 2nd Dustin Doherty is scheduled to provide a presentation on Camp Ravenna Master Plan and Stormwater Control. Be on the lookout for additional information. FCC-OSPE recently launched a LinkedIn page.

The board is nominating candidates to be on the ballot to serve as officers for the next fiscal year.

The Imagine Engineering second grade coloring competition is underway so please be discussing with any schools you have previously visited or have contact. Science Day will happen in March. We always need additional volunteers to help with our programs and events.

Nathan Abele, PE
FCC-OSPE President



OSPE-FCC March Luncheon Program

Date: Thursday, March 2, 2023

Place: Hickory House

550 Officecenter Pl., Gahanna, OH

Time: Registration: 11:30 am

Lunch: 11:50 am

Speaker: 12:00 pm

Closing Remarks: 1:00 pm

Cost: Members: \$25.00 & Non-Members: \$35.00.

SPE@OSU Students: \$10.00

PAY WITH CASH OR CHECK

Registration: Visit fccospe.org, Pay at door or online at (www.fccospe.org). No access to a computer, contact Jim Arnold, 614-299-2133, to help with registration.

Title: "Camp Ravenna Master Plan and Stormwater Control"

Abstract: We assisted the Adjutant General's Department to perform a Drainage Assessment at the Main Post Cantonment Area for the Camp Ravenna Joint Military Training Center located in Portage County, Ohio. The objective of this study was to verify the sewer connectivity and assess the conditions of the existing storm sewers. This approach was based on data collected during field investigations, smoke testing and closed-circuit televising (CCTV), with the intent of creating Corrective Actions Plans to alleviate flooding at the

- Continued, page 2

Luncheon, continued –

intersection of George Road and South Service Road. Concerns over age, the structural integrity of the pipe, and potential capacity constraints led to the initiation of this project. The purpose was to provide the Adjutant General’s Department with storm and sanitary sewer recommendations designed to optimize the performance and maintenance of the sewer collection system. These recommendations lead to sewer rehabilitation and repair projects that were intended to structurally and operationally improve the on-site system and mitigate current flooding/sewer backups.

Attendees will learn 1) Data collection processes through field investigations, smoke testing and closed-circuit televising (CCTV) 2) How to optimize the performance and maintenance of a sewer collection system 3) On-site system recommendations.



Presenter: Mr. Dustin Doherty, PE, MS4-SCP, CPESC, Principal at Civil & Environmental Consultants, Inc.

Biography: Mr. Doherty is a seasoned civil engineer with over 17 years of successful experience managing site civil design projects, hydraulic modeling, public infrastructure assessment/ rehabilitation, private commercial site design, institutional utility projects and City Engineer support services. This type of experience provides Mr. Doherty with the knowledge base to provide technically competent and cost-effective solutions for utility infrastructure. As a former municipal engineer for Grove City, Whitehall, Reynoldsburg, and Sunbury, Dustin has extensive experience effectively presenting information in public meetings (council meetings, committee meetings, commission meetings, etc.). He has participated and/or led public outreach efforts for

many projects and engages the public frequently to work through any concerns. He supports CEC’s engineering efforts for capital improvement projects for various communities. He is an experienced project manager and engineer who is very familiar with the engineering requirements relating to public infrastructure improvements.

A certificate for 1 hour of Professional Development for attending the program will be presented at the luncheon.

Regional MathCounts Competition Results



Top Scoring Team: Olentangy Shanahan Middle School



Top Scoring Individual: Eversole Middle School

2023 Franklin County Chapter Regional Competition Results

Teams and Individuals advancing to State Competition of March 11, 2023:

Top Scoring Teams

- 1st - Olentangy Shanahan MS
- 2nd - New Albany MS
- 3rd - Dublin Grizzell MS
- 4th - Columbus Academy
- 5th - Dublin Karrer MS

Teams Not advancing to State:

- 6th - Granville MS
- 7th - Oakwood Jr. High
- 8th - Eversole Run MS

Top Scoring Mathletes (not on a Winning Team)

- Alex Zhang (Eversole MS)
- Vincent Li (Eversole MS)
- Mason Wu (Blendon)
- Grant Zhou (Oakwood Jr. High)
- Kevin Gu (Granville MS)
- Anuki Mudalige (Olentangy Orange)
- Harvey Hou (Dublin Karrer)
- Stanley Qiu (Olentangy Orange)
- Samuel Zhu (Worthington Christian)
- Andrew Zhang (Dublin Sells)
- Anna McCracken (Walnut Springs)

Top Scoring Mathletes

- 1. Alex Zhang (Eversole MS)
- 2. Arush Krisp (Olentangy Shanahan)
- 3. Henry Luo (Dublin Grizzell)
- 4. Vincent Li (Eversole MS)

Countdown Round Winners

- 1. Arush Krisp (Olentangy Shanahan)
- 2. Mason Wu (Blendon)
- 3. Henry Luo (Dublin Grizzell)
- 4. Anuki Mudalige (Olentangy Orange)

Competition Date: 2/11/23

Location: Columbus State Community College

Sponsor: Franklin County Chapter OSPE

(Ohio Society of Professional Engineers)

Regional MATHCOUNTS Coordinator: Ben Brown, PE





Are You Stepping Into Leadership?

Do you see yourself as a leader? Most of the time, when leadership is mentioned, folks think of it as the head of a business or an organization. What is not considered is that everyone is a leader in some capacity.

Do you mentor another employee? Do you lead a household? Do you lead children? Most importantly, do you lead yourself?

Each of us has these little mini-decisions every day that determine whether we do something or not. By making the decision to complete a necessary task, that is leadership: self-leadership. Therefore, we are all leaders. But most people do not see themselves as leaders or do not step into a leadership role because they are being held back by fear. For some, that fear is based on a lack of courage, which I find is actually more rooted in not knowing what it takes to possess courage.

Leadership And Courage

Leadership takes courage. It takes courage to be yourself. It takes courage to implement the organization's goals. It takes courage to have tough conversations and stand up for what is right.

The fear that most leaders feel is from criticism. Worrying about what the group may think can paralyze many people, preventing them from taking meaningful action. Aristotle once said, "Criticism is something we can avoid easily by saying nothing, doing nothing and being nothing."

Fear will have you go small. Instead, go big. Fear will tell you to blend in, so be bold. Fear will keep you quiet, so be loud. You must turn your back on fear, commit to yourself and be confident in what truly matters.

As Tyler Durden said in the movie *Fight Club*: "No fear. No distractions. The ability to let that which does not matter truly slide." Courage is not the absence of fear; it's moving on despite the fear. Feel the fear, and do it anyway.

We all have our own definition of fear. You may have heard of fear standing for false evidence appearing real. I mostly agree with it. But there are some very real outcomes that many people fear, such as death, disease, separation and money losses.

I've also heard fear reworded as face everything and recover. That one is solid but also implies fear as a loss we must come back from. How about instead, we consider it standing for feeling excited and ready?

There is a healthy amount of excitement that comes from facing a challenge or something new. It's okay to be nervous or even a little fearful at these times. The key is controlling your emotions.

Actions To Take For A Powerful Self-Image

So how do we overcome fear? In my experience, the answer to this question is maintaining a powerful self-image. Fear is mostly based on the unknown. The way I see it if you don't know what's to come in the future, then the most effective thing to do is truly

- Continued, page 5

Stepping Into Leadership, continued -

get to know yourself. And that is the basis of a self-image.

A strong self-image is key for any leader. Knowing yourself and what you stand for is essential to being authentic with others. Additionally, it's important to have a good work ethic and be relentless in pursuing goals. Keep these things in mind to cultivate a better self-image as a leader.

Here are some actions you can take that can help.

1. Embrace what makes you you. This is knowing what makes you stand out and will help you create a strong identity.

2. Know your personal values. Not only know them but be consistent in living them out. This shows others that you mean what you say and that you are reliable.

3. Work hard and always improve. A good work ethic is essential for anyone in a leadership position. It shows that you're committed and always striving to do better.

4. Seek alignment and positive relationships. It's important for leaders to build strong relationships with those both inside and outside of their company. This requires regular communication and interactions.

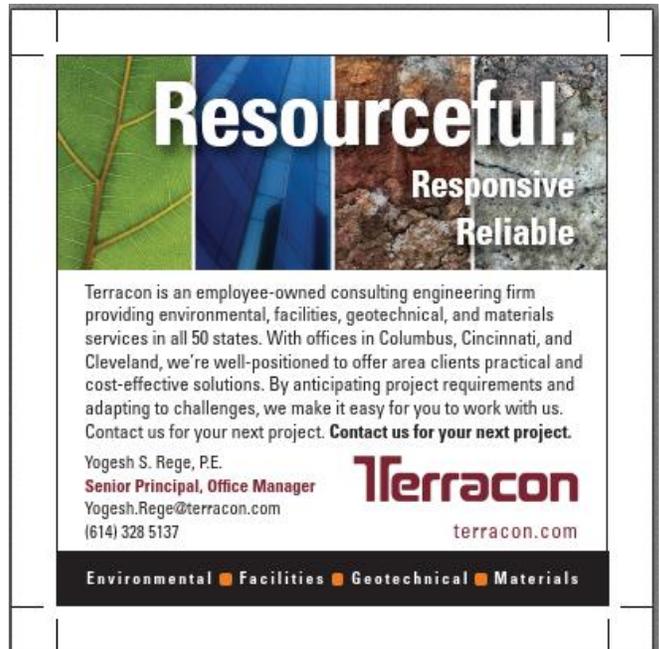
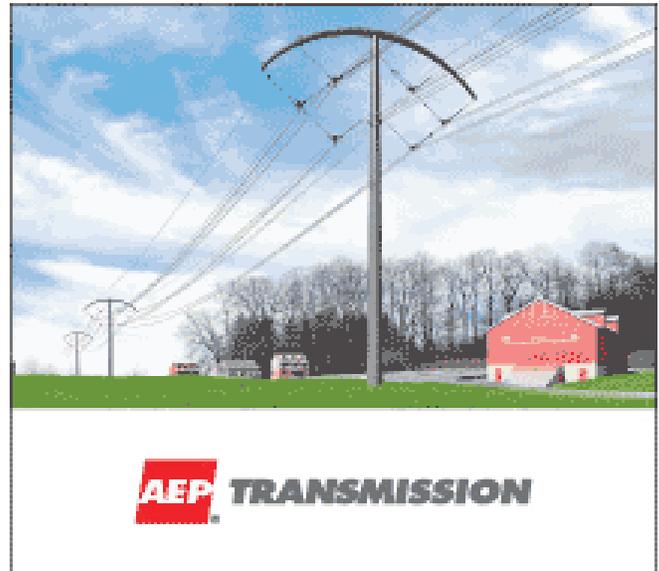
5. Maintain excellent health—physically and mentally. This means getting enough rest, exercising, eating right and taking time for hobbies and activities you love. Leaders need to be mindful of their own well-being in order to be effective. I believe that effective leaders with a strong sense of self-image are also avid readers and practice faith.

Think for a moment about this quote from Danielle LaPorte in her book *Fire-Starter Sessions*: “Being true to yourself is not always easy. It takes courage to be creative, vocal, and vulnerable, and it takes stamina because if you want the best out of life, life will demand the best out of you over and over again.”

In summary, leadership requires courage. Overcome your fear of criticism and the unknown by focusing on what is within your control. You are the master of yourself, and by building a powerful self-image, you will have the courage to face what comes your way.

People often think of worst-case scenarios. In an effort to comfort themselves, people will say, “What’s the worst that could happen?” Well, have you ever noticed that the “worst-case scenario” rarely comes true?

(Excerpted from NSPE Daily Designs on February 13, 2023 article by Brian McKittrick)





These are leadership priorities that I anticipate will be the most critical in 2023:

Clarify your mission.

Daily, leaders are pulled in a thousand different directions, putting out fires or responding to concerns that crop up unexpectedly. The frenzy makes it highly challenging for leaders to remain focused on driving efforts toward their goals. One of the most effective ways a leader can stay focused is by understanding their personal and team missions.

A mission statement is a clear, concise summary of your purpose, priorities and what you need to do daily to reach your goals. Knowing what a mission statement is and its purpose is easy. Taking the time to decide what your mission statement is—your purpose and priorities and what you personally and as a team need to do daily to reach your goals requires more effort.

But setting aside the time to create a mission statement that unifies and clearly illustrates what needs to be done to accomplish your goals is worth every bit of time and effort. Your mission statement will become your team's roadmap for success.

Amplify your impact.

Great leaders can move to a new level of effectiveness by helping team members with fundamental and lasting behavior change. Leaders can amplify impact most by focusing on three areas: creating a foundation of inclusivity, engaging teams in experiences that provide them with opportunities for growth and development and reinforcing what projects are the most high-impact as they tie back to your mission statement and goals.

- Continued, page 7



Are You Ready? The New Priorities Of Leadership For 2023

Last year brought unprecedented inflation and a surge of quiet quitting that led to intense hiring. Then, many companies slammed on the brakes due to a looming recession. Heading into 2023, it seems like the only safe expectation to have is that the future will continue to bring change. What

kind of change, when and how all remain unknown. What I can tell you is that the months ahead will require a fresh perspective for leaders who want to stay strong in the face of change and weather the storm of economic uncertainty.

Are You Ready, continued –

This approach moves organizations and leaders forward because it's rooted in the individual—supporting each person and harnessing their unique strengths to help everyone achieve success together.

Build a culture of trust.

I cannot emphasize enough the importance of trust in the workplace. One of the best ways to instill trust is through a personal connection. Leaders who intentionally make time to connect with team members inspire them with renewed purpose and motivation to work harder.

Unsurprisingly, the best setting for making connections is through less formal, one-on-one conversations. Leaders who create opportunities for informal one-on-one discussions create a safe environment for team members to share their feelings and concerns openly. Leaders who deliberately listen and empathize in these discussions forge authentic relationships with team members. This foundation of trust yields tremendous benefits to your organization, including increased employee engagement, loyalty, retention, satisfaction and performance.

Focus on the whole person.

In the past, many organizations bought into a flawed mindset that "great leaders are born, and not made." Thankfully we've moved beyond that belief and recognize that outstanding leadership is a continuous improvement process. It's essential to recognize that great leadership happens when different traits of the leader are in balance, creating an environment where one can thrive. This quote from Carolina Valencia, vice president at Gartner, Inc., really nails it: "Employees are people, not just workers; work is a subset of life, not separate from it; and value comes through feelings, not just features."



Make sure your well-being is in check and that you feel balanced, and encourage your team members to do the same. These considerations will lead to better motivation and work performance and create further opportunities for individual leadership growth and success.

Be a changemaker.

As a leader, your response to change sets the tone for how your team will react. Exceptional leaders help their teams thrive during change by creating a plan and effectively communicating it to their teams. And while the best leaders adopt a flexible mindset toward change, they also create space for concerns and reassure their team members they have the right strategies in place to successfully navigate unsettling times.

My teams and I have led hundreds of companies through change—both large and small—and helped them come out thriving on the other side. I am confident that if you clarify your mission, seek to amplify your impact, make trust a priority, focus on your whole person and be a changemaker, you will be able to confidently lead your organization through whatever 2023 has in store.

(Excerpted from NSPE DAILY DESIGNS, February 6, 2023 by Paul Walker, CEO FranklinCovey)



2023 CALENDAR



DATE	TIME	DESCRIPTION
Jan. 6	5:00 p.m.	Deadline for January Columbus Engineer
Jan. 10	12:00 p.m.	FCC Board Meeting @ CEC, Inc. and Virtual
Jan. 13	5:00 p.m.	Deadline for February Columbus Engineer
Jan. 19	12:00 p.m.	Program: Title "Engineering Advocacy in the 21 st Century – From Austerity to Abundance" – Presenter: Conrad Robinson
Feb. 10	5:00 p.m.	Deadline for March Columbus Engineer
Feb. 11	8:00 a.m.	Regional MathCounts Competition @ CSCC
Feb. 14	12:00 p.m.	FCC Board Meeting @ CEC, Inc. and Virtual
Feb. 19 – 25		National Engineer's Week
Feb. 23	11:30 a.m.	Program: E-Week Luncheon - Villa Milano – Theme: "Creating The Future"
Feb. 22	8:00 a.m. – 3:00 p.m.	Engineer for a Day Program
Mar. 2	12:00 p.m.	Program: Title "Camp Ravenna Master Plan and Stormwater Control" – Presenter: Dustin Doherty
Mar. 2 – 3		Engineer's Leadership Institute
Mar. 10	5:00 p.m.	Deadline for April Columbus Engineer
Mar. 11	8:15 a.m. – 4:00 p.m.	Ohio MathCounts Competition @ CSCC (OSPE, see www.ohioengineer.com)
Mar. 14	12:00 p.m.	FCC Board Meeting @ CEC, Inc. and Virtual
Mar. 24	12:00 p.m.	OSPE Lunchtime Legislative Briefing, Zoom meeting
Mar. TBD		District Science Day @ CSCC
Apr. 6	12:00 p.m.	Program: TBD
Apr. 11	12:00 p.m.	FCC Board Meeting @ CEC, Inc. and Virtual
Apr. 14	5:00 p.m.	Deadline for May Columbus Engineer
Apr. TBD		Legislative Day
May 9	12:00 p.m.	FCC Board Meeting @ CEC, Inc. and Virtual
May 12	12:00 p.m.	Deadline for June Columbus Engineer
May 18	6:30 p.m.	Chapter Officer Installation & Awards Dinner
June 1	12:00 p.m.	Program: TBD
June 2	5:00 p.m.	Deadline for July Columbus Engineer
June 13	12:00 p.m.	FCC Board Meeting @ CEC, Inc. and Virtual
June 30	12:00 p.m.	OSPE Lunchtime Legislative Briefing, Zoom meeting
July TBD	(TBA)	FCC Budget Meeting - Location to be announced

Civil & Environmental Consultants, Inc.
Address: 250 Old Wilson Bridge Road, Suite 250, Worthington, Ohio 43085

WHERE DO I GET MORE INFORMATION?

FCC-OSPE President E-mail & Phone:	nabele@smeinc.com	(614) 746-7243
FCC-OSPE WEBSITE:	www.fccospe.org	
OSPE WEBSITE:	www.ohioengineer.com	
NSPE WEBSITE:	www.nspe.org	
To volunteer to help with MATHCOUNTS:	benjamin_brown68@yahoo.com	(614) 519-8978
To volunteer to help with Science Day:	baba.yahaya@terracon.com	(614) 328-5209
To volunteer to help with OSU Student Chapter:	Kayla.saggio@gmail.com	
To volunteer to help with Imagine Engineering:	TBD	
FCC Luncheons / Programs:	ddoherty@cecinc.com	(614) 359-6321
New Members / Membership Application	www.nspe.org or www.ohioengineer.com	(614) 223-1144

**2022-2023 OFFICERS,
TRUSTEES & COMMITTEE CHAIRS**

	Name	Phone # (w) or (h)	Cell Phone #	E-mail Address
President	Nathan Abele, PE	614-793-2226 (w)	614-746-7243 (cell)	Nabele@smeinc.com
Vice President	Mehrdad Rowhani, PE	614-389-4132 (w)	773-517-1036 (cell)	mehrdadrowhani@gmail.com
Chapter Secretary	TBD			
Treasurer	Steve Day, PE	614-876-7525 (w)	614-531-2858 (cell)	lday1@columbus.rr.com
Past President	Baba Yahaya, PE	614-328-5209 (w)	614-517-7864 (cell)	Baba.Yahaya2@terracon.com
Administrative Assistant	Dawn Morrison FCC-OSPE Website	614-328-5148 (w)	614-313-3814 (cell)	dawn.morrison@terracon.com www.fccospe.org
OSPE Executive Director	Tim Schaffer	614-223-1144 (w)		exec@ohioengineer.com
OSPE/EFO Staff	Pam McClure (ret., part-time) Holly Ross	614-223-1144 (w-OSPE) 614-223-1177 (w-EFO)		admin@ohioengineer.com pr@ohioengineer.com
VICE-PRESIDENT	TRUSTEE/COMMITTEE	CHAIRPERSON	TELEPHONE	E-MAIL
Mehrdad Rowhani, PE	Vice-President	Mehrdad Rowhani, PE	614-389-4132 (w) 773-517-1036 (cell)	mehrdadrowhani@gmail.com
	Programs/CPD/Activity	Dustin Doherty, PE, CPESC	614-310-2075 (w) 614-359-6321 (cell)	ddoherty@cecinc.com
	Membership	Dustin Doherty, PE, CPESC	614-310-2075 (w) 614-359-6321 (cell)	ddoherty@cecinc.com
	Young Engineer Trustee	Colleen Konsavage, PE	614-758-3048 (cell)	Ckonsav1@gmail.com
	Retired Engineers Trustee	Bob Fuller, P.E.	614-880-9221 (h)	barbarafuller6438@att.net
	PEHE Trustee	Tim McCarthy, PE	614-670-1175 (cell)	tim_mccarthy@breezelineohio.net
	OSU - Student Chapter Liason	Kayla Saggio, EI		Kayla.saggio@gmail.com
	Vice-President	TBD		
	Science Day (District)	Baba Yahaya, PE	614-328-5209 (w) 614-517-7864 (cell)	Baba.Yahaya2@terracon.com
	Scholarship	Joe Sullivan, PE	614-486-4383 (w) 614-561-5447 (cell)	jsullivan@msconsultants.com
	Columbus Engineer - Editor	Howard Jones, PE	614-209-3289 (cell)	hrjones63@yahoo.com
	Engineers Week	CR Weaver, PE	614-645-7100 (w)	CRWeaver@columbus.gov
	Engineer For A Day	Kayla Saggio, EI		kayla.saggio@gmail.com
	PEG Trustee	CR Weaver, PE	614-645-7100 (w)	CRWeaver@columbus.gov
S. Rao Chitikela, PE	Vice-President	S. Rao Chitikela, PE	412-310-9452 (cell) 614-818-4900 (w)	srao.chitikela@gmail.com
	MATHCOUNTS Chair	Ben Brown, PE	614-519-8978 (cell)	ben.brown@ibigroup.com
	Awards/Citations	Tina Sutermeister, PE	614-537-7660 (cell)	tsuterm@embarqmail.com
	Legislative	Steve Day, PE	614-876-7525 (w) 614-531-2858 (cell)	lday1@columbus.rr.com
	PEI Trustee	Richard Smelker, PE	614-933-2236 (w)	rdsmelker@aep.com
	EFO Liason	Steve Day, PE	614-876-7525 (w) 614-531-2858 (cell)	lday1@columbus.rr.com
	Chapter Directory	Zach Wedekind, EI		zwedekind@gmail.com
Colleen Konsavage, PE	Vice-President	Colleen Konsavage, PE	614-758-3048 (cell)	Ckonsav1@gmail.com
	Imagine Engineering Contest	TBD		
	Auxiliary Trustee	TBD		
	OSPE Director	Tina Sutermeister, PE	614-537-7660 (cell)	tsuterm@embarqmail.com
	Constitution & By-Laws	Tina Sutermeister, PE	614-537-7660 (cell)	tsuterm@embarqmail.com
	PEPP Trustee	Greg Nortz, PE	614-790-0029 (cell)	gregnortz@otisengineering.com
	PEPP Trustee	Nathan Abele, PE	614-793-2226 (w) 614-746-7243 (cell)	Nabele@smeinc.com
	PEC Trustee	Ken Goodson, PE	614-443-1178 (w)	kengoodson@hotmail.com



FIRST CLASS



OHIO SOCIETY OF
PROFESSIONAL ENGINEERS
Franklin County Chapter
P.O. Box 69
Reynoldsburg, Ohio 43068

DANIEL J LAULETTA

Founder & CEO

440.319.0739

daniel@laulettaipg.com

www.laulettaipg.com

