

ASCE PITTSBURGH SECTION



Fall Kickoff and Life Member
Recognition Dinner

Thursday, October 28, 2021

Downey's House, Pittsburgh PA

#ascepglifemember

Program of Events

- 5:00-6:00 Social Hour (In the Restaurant)**
- 6:00 Introduction & Opening Remarks**

Patrick Sullivan, P.E.
Civil and Environmental Consultants, Inc.
ASCE Region 2 Governor
- 6:10 Dinner (In the Restaurant)**
- 6:55 - 7:30 Presentation of Life Memberships
(On the Patio)**

Patrick Sullivan, P.E.
- 7:35 Door Prize and Closing Remarks**

Patrick Sullivan, P.E.

Diversity Quote “WHY FIT IN WHEN YOU WERE BORN TO
STAND OUT?”DR. SEUSS





*Special Thanks to our
2021 Fall Kickoff and Life Member
Recognition Sponsor*



Civil and Environmental Consultants, Inc.

Congrats to our Other 2021 Lifetime Members

Lois Muller, P.E.

Jeen-Shang Lin

Timothy Byrnes, P.E.

Michael Michalko. P.E.

Gerald Lang, P.E.

David Foreman, P.E.

*Thank you for your service and
congratulations on all of your achievements!*



Steven D. Menoff, P.E.

Working for Civil & Environmental Consultants, Inc. (CEC) since 2011 is my second tour of duty in Pittsburgh, a city I truly enjoy. I first lived here from 1989-1993 when I worked for Chambers Development Company. In that time, I worked with John Rangos. John, who recently passed away, epitomized the spirit of charity and giving back to the community that so defines Pittsburgh.

I was born in Brooklyn, New York in 1955. I attended Brooklyn Technical High School, a specialized high school that required a test to get into. Tech offered a number of specialized courses – structural, architectural, aero, chemical – as well as advanced college prep. I elected the structural course and graduated in 1972. Many of the friendships I made at Tech have lasted to this day.

From Tech, I went to The Cooper Union in Manhattan, the last tuition-free private college. I graduated with a bachelor's degree in Civil Engineering in 1976. While at Cooper, I was the President of the ASCE Student Chapter and received the Associate Member Forum Award. My senior design project was a solid waste management plan for Westchester County, New York.

I went to graduate school at Northwestern University in Evanston, Illinois, which began my first time living in the Chicago area. I started out in environmental engineering and ended up in

geotechnical engineering, in large part due to the influence of Dr. Raymond Krizek, who is both a mentor and a friend throughout my career. I graduated in 1979 with a master's degree in Civil Engineering. My thesis involved the use of fly ash to stabilize double alkali scrubber sludges.

My first job was with Soil Testing Services in Northbrook, Illinois, working on pulp and paper mill waste and municipal solid waste landfill design, permitting, and construction-support projects. I knew that this was the area I wanted to spend my career in.



I accepted a position at Waste Management. Starting in the Environmental Management Department's landfill design group, I became the Assistant Director of Engineering before leaving in 1989. The engineering group developed landfill design and operating standards, supported corporate regulatory and legislative initiatives, pioneered the use of geosynthetics in landfills, and developed the first geosynthetic specification and construction quality assurance manuals in the waste industry. Peter Vardy was the Vice President of Environmental Management, he is one of the significant mentors I have had in my career.

I left Waste Management to take a position with Chambers Development Company in Pittsburgh. At Chambers, with the support of the Rangos family, I went from Director of Technical Services in Corporate Development to Vice President of Environmental Management. My department was responsible for the design, permitting, construction, and environmental compliance of the company's landfills, transfer stations, MRFs, and other solid waste management facilities.

In 1993, I returned to Chicago as Vice President of Engineering and Corporate Development with Sexton Disposal Services., a family-owned waste services company that has always had a prominent role in the Chicago market. Since 1997 I have primarily worked for consulting firms in support of the waste industry. I led the solid waste engineering and field services groups at EMCON and the IT Group. After the Shaw Group acquisition of the IT Group, I became the Northeast Region Vice President for the Commercial, State, and Local Business Unit. This included consulting engineering and construction services.

After brief periods with TransLoad America and Brown and Caldwell, I returned to Pittsburgh for a position with CEC. I am currently the firm's Solid Waste Market Group lead. In this capacity, I work with CEC engineers and scientists to serve our solid waste clients throughout the United States.

I have been active in the National Waste & Recycling Association (NWRA), serving as the chairman of its Landfill Institute since 1996, the Environmental Research and Education Foundation (EREF) and its Research Council, and the Solid Waste Association of North America (SWANA). I was honored by my peers in the waste industry in 2018 with my induction into the NWRA's Hall of Fame.

My stress relief has been through my second career as a tennis chair umpire. I have worked at all levels of the game, including the seniors tour with John McEnroe, Todd Martin, and Andre Agassi, but I most enjoy collegiate tennis. That is what I have focused on for the past decade, including assignments at the ACC, Big Ten, SEC, and NCAA championships. My daughter Stefanie played junior and collegiate tennis, and that is how I first became involved in officiating in 1997. I currently serve on the Intercollegiate Tennis Association's National Officials Committee.



Q: What were your most exciting / enjoyable projects?

A: I don't always think of the word enjoyable when I think of projects. Challenging and impactful are the ones that more often come to mind. I have had the opportunity to work on international projects in Argentina, Australia, Israel, Saudi Arabia, and Senegal while working for waste management firms. These are all unique and provided challenges beyond what would normally be encountered in a solid waste facility project. I was very involved in a major landfill stability project that led to the incorporation of interface friction testing and stability analyses into subsequent landfill designs at a time when this was not yet required regulatorily.

Q: How has ASCE impacted your professional career?

A: ASCE has impacted me in one way or another throughout my career. I was the Student Chapter President at The Cooper Union and received the Associate Member Forum Award. I remained active in the Student Chapter at Northwestern University as a graduate student. Early in my career, I was active in the Geotechnical Section (even before it had that name) in Chicago. As my career focused increasingly on solid waste management, I became more actively involved in waste industry associations but always remained connected to ASCE. Two of the best references on the geotechnical aspects of waste management were the specialty conferences ASCE hosted in the 1980s and 1990s. In addition, ASCE has always provided professional development and support over the course of my career.



John Coyne, P.E.



I am a proud Pittsburgh “YINZER”. Born and raised in the City’s Overbrook neighborhood, I attended Carrick High School and earned my B.S. degree in Civil Engineering from Pitt. Later in my career I also obtained a MBA from Point Park University.

During summer breaks at Pitt I interned at the old PA Dept. of Highways and began my career with the Dept. upon graduation from Pitt in 1971. During my time there I obtained my Professional Engineer license and joined ASCE. In 1978 I accepted a Project Engineer position at the Urban Redevelopment Authority of Pittsburgh where I advanced through several positions, eventually being named the Director of Engineering & Construction in 1994. I held that position until 2008 at which time I retired from my 30 year service with the URA and decided to try

something new. For the past 13 years I have worked as a private engineering consultant. I am currently a Principal with Civil & Environmental Consultants focusing on developing CEC’s public sector business in the Greater Pittsburgh area.

2003 was a pretty good year for me. I was presented with the ESWP Engineer of the Year award and I also had a hole-in-one at the historic Merion Golf Club in Philadelphia.

I have been lucky during my 50 year career to be able to practice Civil Engineering in my hometown. I have enjoyed working on major redevelopment projects that have had an impact on the conversion of Pittsburgh from an old, industrial town to a modern day, forward thinking, and sustainable City. Of all the exciting riverfront development projects I’ve had the opportunity to work on, the conversion of the 100+ year old Hot Metal Bridge across the Monongahela River stands out. This project provides a vehicular and pedestrian crossing of the Monongahela River connecting three brownfield development sites now known as South Side Works, Pittsburgh Technology Center and Hazelwood Green. The Hot Metal Bridge also is a critical link in Pittsburgh’s river trail system and it provides access to I-376 from the South Hills neighborhoods.



I have been a member of ASCE for many years and appreciate the professionalism and opportunities the organization has provided me. I have attended many of the ASCE annual conferences throughout the country and I remember an experience I had in New York City early in my days at the URA. One of my favorite professors at Pitt was Dr. Joel Abrams who was receiving a national award at ASCE's conference that year. When I approached Dr. Abrams at a reception in his honor he not only remembered my name but the year I took his class. He took the time to engage in a discussion with me about my work at the URA and his upcoming retirement. That experience clarified for me that Civil Engineering was the right profession for me.



Emory T. McLean, P.E.

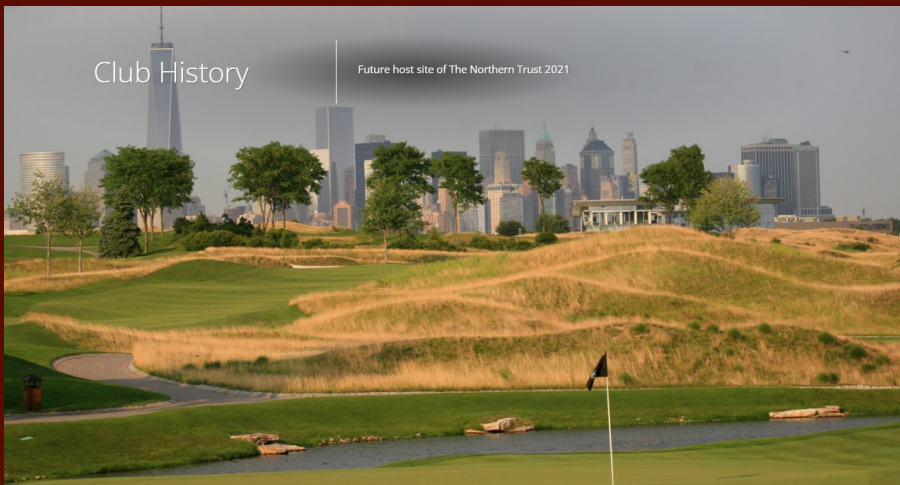
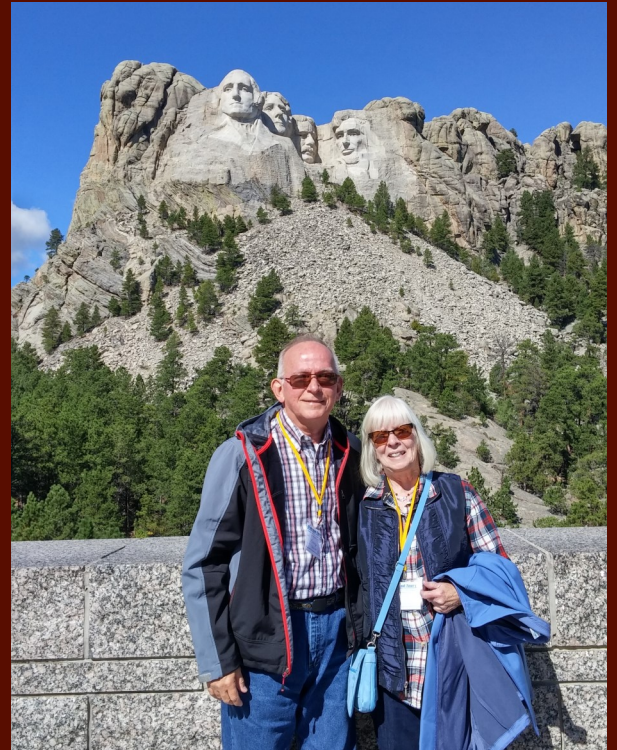
Emory McLean was born in McKeesport, PA in 1951. He attended McKeesport Area Senior High School and graduated in 1969. While at McKeesport HS, he was an active member in the “Motorcycle Club”. Following graduation, he attended the University of Pittsburgh, where he received a Bachelor of Science Degree in Biology in 1973. He continued his education at Clarion University of Pennsylvania, where he received a Master of Science in Biology in 1975. His first employment upon graduation was with Ackenheil and Associates, Inc., on Banksville Road in Pittsburgh. As a Staff Scientist, Emory primarily worked on PADEP’s ‘Operation Scarlift’, an abandoned mined land, where he performed reconnaissance of mines and their drainage discharges.. He spent 4 years with Ackenheil, sandwiched around a one year stint at Westinghouse as a field biologist until 1979, when he joined SRW Associates, Inc. as an Environmental Project Manager in 1980. During that time frame, Emory spent many hours preparing coal permits for refuse piles and mine openings in western Virginia and southern West Virginia, permits necessary to meet the regulatory requirements of Office of Surface Mining (OSM). Emory worked with John Gadd at the Big Stone Gap office of SRW. In 1986, Emory obtained his Master of Science degree in Civil Engineering from the University of Pittsburgh. He was promoted to Senior Project Manager in 1990, when SRW was acquired by ICF Technologies out of Washington DC and was renamed ICF/SRW Associates. It was during this time that Emory began working on projects for PPG Industries, Inc. Many of the projects consisted of the remediation of select sites in New Jersey contaminated with Chromium 6 (Hexavalent Chromium).



Using guidance from NJDEP, Emory and his project team developed and reviewed Remedial Design Work Plans, then managed the Remedial Investigation (RI) of the sites, which sometimes included drilling under hazardous waste conditions.

Following the preparation of the RI Report, Emory reviewed the Remedial Action Work Plans, which detailed the construction, safety and documentation process. The remediation process consisted of excavation and disposal of Chromium 6 at approved waste disposal areas or capping in place.

There were so many sites that required remediation, the project was broken down into at least 12 Groups with multiple sites in each Group. At the Liberty National Project Site, he worked with Tom Kite, the professional golfer to create a capping plan that would allow him to design the Liberty National Golf Club, which was opened in 2006 and has been the host for many PGA golf events, including the Tour Championship.



Emory continued his work with PPG Industries when ICF acquired Kaiser Engineers and renamed the company ICF/ Kaiser Engineers from 1994 through 1998, and at IT Corporation from 1999 through 2001, where he served as Program Director.

In 2001, Emory joined Civil & Environmental Consultants, Inc., located in Foster Plaza. He continued his work with PPG Industries through 2013. After 2013, Emory assumed the position of the CEC Corporate Health and Safety Director.

Emory retired in 2016, and now spends time with his wife Carol and his sons Thomas and Bill.





Q: What were your most exciting / enjoyable projects?

A: PPG Chromium Non-Residential Sites Remediation Project. I enjoyed working with the people at PPG. Bud Kennedy, Len Bryant and Rick Jacobs were great clients and friends and were very appreciative of the work that myself and my project team completed.

West Penn Power Substation Oil Containment Program. The people at West Penn made the project enjoyable.

These projects were both technically challenging and fun to work on.

Q: How has ASCE impacted your professional career?

A: ASCE impacted me most through my involvement with the Loss Prevention Program. That involvement allowed me to better understand and teach an engineer's responsibilities to their client and to the general public.

Gary Smith, P.E.

Gary Smith was born in 1955 at McGee Women's Hospital in Pittsburgh, and raised right here in Robinson Township. He attended elementary through high school in the Montour School District, where he was captain of the swim team. During high school he became interested in scuba diving and was inspired by the TV show "The Undersea World of Jacques Cousteau". But he was also interested in building structures and construction, which was promoted by his father, who worked for Eichleay Corporation as their chief engineer and who showed him drawings and calculations.

He attended the University of Michigan, who offered an oceanography degree in the College of Engineering. During the summers of his college years, he worked in a structural steel fabricating shop where he prepped and painted steel, learned to roll plate, cut and thread anchor bolts, layout steel for bolt holes, cutting and welding.

In the summer of 1978, he returned to the University of Michigan where he earned a bachelor's degree in civil engineering with an emphasis in structural engineering. He joined ASCE as a junior, participating as a student member in the activities of the group which included building and racing in the concrete canoe competitions. He graduated from Michigan in the spring of 1980 and was recruited by P&H (Pauling and Harnischfeger) Corporation in Milwaukee, to the overhead crane design group.

In 1982 he returned to Pittsburgh to work for Eichleay Corporation as a construction engineer, and worked on steel mill projects from new construction to ongoing maintenance, and repair of plant facilities.

In 1984 he was transferred from the construction group to the engineering side, to gain more engineering, CAD and structural design experience. He progressed from an entry level engineer to lead engineer supervising other engineers, designers and draftsmen in the origination of design, specifications and drafting coordination of the civil/structural work for industrial and institutional projects, including new facilities, inspections, and repairs or renovation to existing structures.

In February 1996, he transferred from Eichleay Engineers as an Engineering Group Leader to return to his construction roots as Eichleay Corporation's Construction Methods Engineer. In 2002 he served as the engineering manager for Matrix NAC, where his responsibilities included planning, coordinating and overseeing constructability and critical construction methods.



In January of 2015, he decided to embark on his own, forming Y&S Co., Inc.; where he serves as President/ Chief Engineer/PE. He provides engineering design/consulting for various clients on industrial construction and repairs, civil dam projects, and dredge design and fabrication.

His top engineering project was the Stelco, Hilton Works, in Hamilton, Ontario. He designed the building and pulverizer foundations, buildings, and structures for the new Pulverized Coal Injection Facility servicing "D" and "E" Blast Furnaces. As the civil/structural lead, he supervised the civil engineers and draftsmen for the project. This was a fast-track design/build project. From the issuing of the contract in September Eichleay Corporation field crew was installing piles, having steel for the buildings fabricated etc. We designed the facility with preliminary information and changed equipment supports or made changes for the buildings as new information came in. We only added eight piles after the initial design which included two buildings holding a raw coal silo and the other building holding the pulverized coal silo. There were only minor structural beam changes to facilitate equipment changes as final equipment drawings came in.

His most satisfying construction project was the National Steel, Great Lakes Division Melt Shop in Detroit, MI. He designed the method and procedure to install two 65t steam drums in the existing Melt Shop. He designed a mobile lift frame to operate on the 25t Lance Crane runway. He personally conducted the structural inspection of the lance crane runway to determine the integrity of the runway for the proposed installation and coordinated and reviewed the design and lift plan for the installation with the installation subcontractor. He supervised the steam drum rigging and installation. Eichleay was the construction general contractor.

During his career, Gary has planned, engineered, and supervised the installation of over 800,000 tons of industrial equipment and structural steel from mill housings, generators, turbines, blast furnaces, electric furnaces, basic oxygen furnaces, casters, overhead cranes, coal and gas fired power plants, nuclear facilities, pollution control and duct work, and more.

In 2002, while working for Kvaerner Songer, he developed a horizontal lifeline standard for all projects that was implemented company wide. Several iron workers on erection crews are alive today, having been saved from fall injuries by these horizontal lifelines.

In February 2002 he formed KJE Trucking, a trucking company to provide water for gas fracking drilling operations with a couple of truck driver partners operating northeast of Williamsport, PA. This company continued successfully until 2020. They started with one truck and grew to having eleven trucks and 28 employees.



Gary's list of steel projects is a virtual who's who in the steel industry....

National Steel, Great Lakes Division, Detroit, MI
Wheeling Pittsburgh Steel Corp., Steubenville, OH
Calpine, Dover, DE, Bakersfield, CA, Fremont, OH
Allegheny Technologies, Brackenridge, PA
V&M Steel, Youngstown, OH
MidAmerican Energy, Council Bluffs, IA
Dynergy, Baldwin, Havana, Hennepin, and
Champaign, IL

Mittal Steel, Burns Harbor, IN
Nova Chemical, Decatur, AL
US Steel, Fairfield Works, Fairfield AL
USS/POSCO, Pittsburg, CA
J & L Specialty Steel, Midland, PA
Westinghouse Corp., Pittsburgh, PA
Bechtel Bettis, Pittsburgh, PA
Weirton Steel, Weirton, WV
Armco Steel, Mansfield, OH
AEP, Brilliant, OH

Kaiser Aluminum and Chemical, Spokane, WA
Great Lakes Steel, Zug Island, Detroit, MI

US Steel, Gary Works, Gary, IN and US Steel, Granite City Works, Granite City, IL



Gary is a Registered Professional Engineer in California, Indiana, Michigan, Ohio, Pennsylvania and West Virginia. He is a member of the American Concrete Institute, American Institute of Steel Construction, Association for Iron and Steel Technology and American Society of Civil Engineers. Gary also holds a Master of Engineering Degree in Civil Engineering from the University of Idaho.

Gary married his high school sweetheart in 1980 and has three children, Kyna, Adam and Ian.

Our ASCE Pittsburgh Institutes.....including UESI



**GEO-
INSTITUTE**

Created by ASCE in October 1996, the **Geo-Institute (G-I)** combines the talents and perspectives of its members to promote the geotechnical profession and enhance career development through specialty conferences, journals and practice-oriented publications, educational programs, networking and coalition building, technical committees and task forces and leadership on emerging issues. The over 13,000

members and 60+ organizational members of G-I include scientists, engineers, technologists and organizations interested in improving the environment, mitigating natural hazards, and constructing economically engineered facilities.

G-I's Pittsburgh Chapter hosts numerous events throughout the year. The Chapter strives to provide a venue for speakers with topics of interest to members on both a global and local scale. The G-I events are also a forum for geotechnical professionals to discuss technical and policy issues; they are networking events where peers make contacts and learn more about the region's geo-industry; and they are opportunities for younger professionals to interact with some of the more prominent local figures in geotechnical engineering in an informal environment.



**STRUCTURAL
ENGINEERING
INSTITUTE**
Pittsburgh Chapter

Structural Engineering Institute (SEI) is a vibrant, 20,000 plus community of structural engineers within the American Society of Civil Engineers. SEI started on October 1, 1996 in order to serve the unique needs of the structural engineering community more effectively while also being their voice on broader issues that shape the entire civil engineering community.

The goal of the Pittsburgh Section of SEI is to support the local structural engineering profession in the region. Structural engineering spans a wide variety of project types, materials of construction and design criteria. The practicing structural engineer faces a daunting task in developing and maintaining a working knowledge of emerging topics and fields, in addition to existing information required to solve diverse project requirements.

It is the hope and intent of the SEI to support practicing structural engineers and students in this task with Informational Seminars and PDH's, Networking Opportunities, and Tours of Local Construction Sites. SEI also strives to advance the structural engineering profession through outreach opportunities. We organize technical sessions and engage in our community through outreach programs and local events. Come see what we are all about.



Created in 1999, the **Environmental & Water Resources Institute (EWRI)** is a civil engineering specialty institute of the ASCE, the country's oldest national engineering society. The vision for the EWRI is to be a recognized worldwide leader within ASCE for the integration of the technical expertise and public policy into the planning, design, construction and operation of environmentally sound and sustainable infrastructure impacting air, land, and water resources. The mission of the EWRI is to provide for the technical, educational and professional

needs of its members; promotes the sustainable use, conservation, and protection of natural resources; and promotes human well-being.

The EWRI Pittsburgh Chapter was initiated in 2000. The EWRI-Pittsburgh plans activities throughout the year to engage members and partner organizations in relevant topics. Typically, the EWRI holds 3 to 4 dinner meetings and a one day-long seminar each year. EWRI also participates in an annual river cleanup. Dates for these events will be published in the ASCE Section newsletter and will be posted on the Section website.



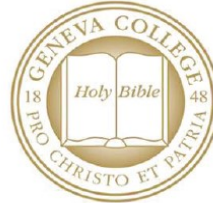
The **ASCE Pittsburgh Younger Member Forum (YMF)** provides an opportunity for young civil engineers to become familiar with the civil engineering community and get involved in ASCE early in their careers. The official age range is 35 and younger, but we welcome all those that are young at heart. The YMF allows younger engineers to build their professional network, give back to our communities, and interact socially. We strive to provide business contacts and create a bridge between the

Student Chapters and the Section by encouraging students to join ASCE after graduation. In addition, the YMF provides younger members with recognition from their profession and their peers through awards, publication opportunities, and leadership positions.

The Pittsburgh ASCE YMF strives to foster an atmosphere of professional, social, and personal growth by affording young engineers opportunities for success in today's demanding engineering community.



Student Chapters



Johnstown

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YMF

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Brian Houston	University of Pittsburgh-Johnstown
Jerry Wang	Carnegie Mellon University
Dr. Vitaliy Saykin	Geneva University
Xinchao "Steven" Wei	Slippery Rock University

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Matt Gilfillan	University of Pittsburgh
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Chuck Shubert	Point Park
Justin Brooks	Point Park
Jonathan Shimko	Slippery Rock
Greg Rumbaugh	Slippery Rock
Erin Feichtner	Geneva
David Dill	Geneva

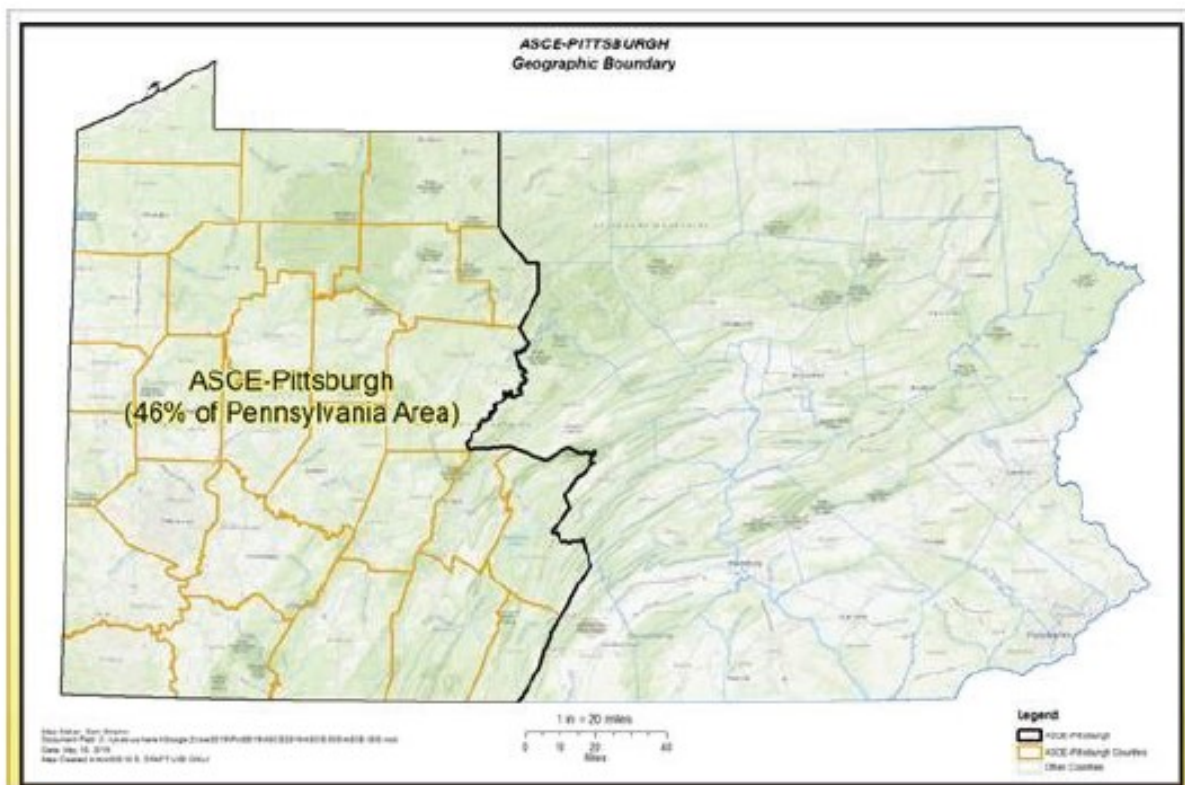
ASCE[®]

PITTSBURGH SECTION

Our Section By The Numbers

We are more than just Pittsburgh - we represent about half the state (46%)!

- Counties = 28
- Municipalities = 1,150
- Population = about 4-million
- About 1800 members
- About 3000 supporters (mailing list)
- CE Schools = 6 (Pitt, CMU, PP, UPJ, Geneva, Slippery Rock)
- Ancillary schools (Engineering / Environmental Management) = 14 (e.g., Chatham Univ.)





PITTSBURGH SECTION

a better world by design

Our Mission

Providing essential value to our members, their careers, our partners, and the public by developing leadership, advancing technology, advocating lifelong learning, and promoting the profession.

ASCE Section Statement

Our mission for the 2021 –2022 year is to build and maintain:

- ◆ Skills that ASCE members need to best meet the demands of a changing marketplace and the needs of the users of civil engineering services; and
- ◆ Public awareness of the value of civil infrastructure in daily life, and to provide public policy makers the support necessary to pass legislation to sustain the civil infrastructure that supports our economy and quality of life.

