

## News & Updates May 20, 2022 | Volume 52, Number 4

### Upcoming Events

- [\*\*Harrisburg Senators Outing\*\*](#)  
(6/10/22)
- [\*\*Knoebel's Grove Outing\*\*](#)  
(7/23/22)

Link to [\*\*Section Event Calendar\*\*](#)



### [\*\*President's Message\*\*](#)

### ASCE needs volunteers like you!

If you are interested in joining the ASCE board, contact Joe Bracken III at [\*\*centralpa.asce@gmail.com\*\*](mailto:centralpa.asce@gmail.com).

## Life Member Recognition



As part of the Central PA Section April Dinner Meeting, we took the opportunity to recognize in-person our members who attained Life Member status in 2022. Our Membership Committee Chair, Mr. Chris Messner, recognized and presented Life Member lapel pins to the following individuals: Mr. Mark Bruening, Scott Christie, John Contestabile, Farley Fry, and Mr. Bruce Stegman. In addition, two

other members from the Section became Life Members and they are Mr. Larry Brannaka and Mr. Robert DeFiore. The Section is very proud to have members like these who have dedicated such a large portion of their life to the civil engineering profession.

## March Dinner Meeting

On Wednesday, March 8th, Central PA ASCE returned to holding dinner meetings in person. This first event back in person was held two years to the day from the last time Central PA ASCE met as a group before the Covid-19 shutdown. Dr. Ronald Ziemian, Ph.D., P.E., Bucknell University, presented a very informative and thought-provoking program titled "An Iconic Building, a Renowned Engineer, and a Momentous Ethics Case Study". Ron shared a story about the New York City Citicorp Tower, a unique high-rise building constructed in 1977. Shortly after being occupied, the structure was self-diagnosed by the structural engineer of record as being vulnerable to wind forces from hurricanes. An engineering student, who was analyzing the structure for a class project, also observed this potential design flaw and communicated this concern with the engineer of record. A "routine" design change made during the bidding process may also have significantly compromised the safety of the constructed building. This story is a classical and often-used example of an engineering ethics case. The meeting attendees were left to make their own decision as to if this story is a case study of a positive ethical solution to an engineering dilemma, or if the engineers involved crossed an ethical boundary. Ron also shared a twist to the tale, information recently learned may have greatly changed the designer's response to this situation.

Ron has also graciously agreed to present this important presentation again as a webinar during the summer months. For those who were unable to attend in person, please be on the lookout for this event. Date and time are to be determined.

Ron Ziemian is a professor at Bucknell University. In addition to authoring many technical papers, Ron is co-author of a textbook and analysis software, and the editor of a design guide and engineering journal. He is a member of AISC's, AISI's, and the Aluminum Association's specification committees. Ron has been awarded several national awards for his contributions to the profession related to the stability analysis and design of metal structures.





## ASCE Central PA Section Hosts Social Event Harrisburg Senators Baseball Game and Picnic

### Harrisburg Senators vs. Bowie Baysox

**Location:** FNB Field, City Island, Harrisburg

**Date:** Friday, June 10, 2022

**Game Time:** 7:00 pm

**Special Event:** Post-Game Fireworks

**Picnic Location:** 3<sup>rd</sup> Baseline Boardwalk Picnic Area and Seating  
6:00 PM to 8:00 PM

**Cost:** \$30 / current member  
**Immediate family members or 1 guest are FREE!**  
*(This event is intended for current members of this Section. Please, do not distribute to non-members)*

**Picnic Meal:** Menu includes all you can eat: Hamburgers, Hot Dogs, BBQ Chicken, Baked Beans, Pasta Salad, Chips, Cookies, Soda and Water. (Veggie burgers available upon request, please email [aottinger@gfnet.com](mailto:aottinger@gfnet.com))

Beer, wine and other "adult beverages" are available at your cost at vendors at the stadium

**RSVP:** **RSVP by Wednesday, May 25<sup>th</sup>, 3 PM via Constant Contact** Additional information on ticket pickup will be available closer to the event.

<http://events.constantcontact.com/register/event?llr=xwihc5pab&oeidk=a07ej4wz3czbbcc3cd1>

## PSU Harrisburg Steel Bridge Team



The Penn State Harrisburg Steel Bridge Team travelled on April 7th, 2022 to Pittsburgh, PA for the Mid-Atlantic West ASCE Student Symposium to compete in the AISC Student Steel Bridge Competition. Our team redesigned every component of our bridge from two years ago to meet the new requirements for two cantilevers, faying surfaces, and connections. The chromoly steel bridge is over 20 feet long, 2 feet tall, and weighs almost 155 lbs. Our bridge was constructed in less than an hour by three engineering students. Our team was the

only three person and all female team at the competition. Welding and fabrication were performed entirely by undergraduate students at Penn State Harrisburg. This was a great opportunity to consider a real-world project and learn about bridge design, steel fabrication, and CAD software. We are looking forward to the competition next year.

## NTM Engineering Acquires Lotus Environmental



NTM Engineering, Inc. (NTM) is proud to announce that we have expanded our services by acquiring Lotus Environmental Consulting, LLC (Lotus). Lotus, a woman-owned, small business based out of Wayne, PA, brings their full range of environmental consulting expertise to complement NTM's well-established civil engineering

services. Lotus specializes in environmental investigations and regulatory compliance services. [Click here for more information](#)

## Job Postings

[Click link to see more details at the website](#)

### [C.S. Davidson, Inc](#)

- Client Manager-Bridges
- Project Designer-Structural Engineer
- Water and Wastewater Engineers
- Municipal Client Representative
- Municipal Project Manager
- Software Design Engineer

### [ELA Group, Inc](#)

- Traffic/Transportation Project Manager



- Traffic/Transportation Engineer

**Gannett Fleming**

- Senior Highway Engineer, Transportation
- Geotechnical Project Engineer, Geotechnical
- Water Resources Engineer, Water Resources
- Civil Engineer, Environmental Services
- Entry Level Water Engineer, Water / Wastewater
- Transportation - Project Manager, Transportation
- Water Engineering Intern, Water / Wastewater
- State Traffic Management Center (STMC) Operator, Intelligent Transportation Systems (ITS)
- Highway Project Manager, Transportation
- Civil Engineer, Environmental Services
- Principal Consultant - Business Advisory and Infrastructure Management, Transportation
- Senior Security Consultant, Facilities
- Senior Highway Engineer, Transportation
- Geotechnical Project Engineer, Geotechnical
- Project Manager – Highway, Transportation
- Senior Geotechnical Engineer, Geotechnical
- Electrical Engineer, Transit & Rail
- Traction Power Engineer, Transit & Rail
- Geological Engineer, Geotechnical
- Entry Level Water Engineer, Water / Wastewater
- Civil Engineer - Water/Wastewater, Water / Wastewater

**Manheim Township - Lancaster County, PA**

- Licensed Professional Engineer (PA)

**The Markosky Engineering Group, Inc.**

- Senior Bridge Project Engineer - Structures
- Project Engineer - Roadway
- Roadway Design Engineer
- Certified Bridge Safety Inspector

**Modjeski and Masters, Inc.**

- Entry Level and Experienced Bridge Design Engineer
- Entry Level and Experienced Inspectors
- Entry Level Highway Engineer
- CAD Technician

**NTM Engineering Inc.**

- Environmental Scientist
- Senior Environmental Scientist
- Archaeological Field Staff
- Senior Bridge Engineer

**PA Turnpike**

- Licensed Professional Engineer (PA)

**Susquehanna Civil Inc.**

- Surveyor
- Geotechnical Designer
- Senior Project Manager

- Structural Engineer
- Senior Geotechnical Technician
- Geotechnical Technician

**Traffic Planning & Design, Inc. (TPD)**

- Transportation Planning Specialist/Engineer
- Transportation Construction Field Inspectors/Supervisors/Managers
- Traffic/ITS Engineer
- Structural Designer
- Municipal Traffic Engineer
- Highway Design Specialist
- Highway or Bridge Design Project Manager
- Highway Design Project Manager
- Highway Design Engineer
- Bridge Engineer
- Bridge Inspector
- Land Development Construction Inspector (Municipal)

**WarehausAE**

- Civil Project Manager
- Civil Project Engineer
- Civil Site Designer

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