

## STUDENT INFO

Get ready for takeoff! The Federal Aviation Administration's Airport Design Challenge has taken flight! The Challenge helps students design virtual airports using the Microsoft game Minecraft. Students studying science, technology, engineering, and mathematics (STEM) across the globe will meet aviation professionals and learn about the aerospace industry and STEM concepts and careers.

"We need to continue to reach out to youth in their areas of interest," said previous FAA Administrator Billy Nolen. "The Airport Design Challenges does this by combining gaming and aviation to develop our leaders of tomorrow."

During the competition, students collaborate in small teams to learn about their local airports and to complete developmental tasks in Minecraft. They participate in organized lesson plans covering topics ranging from airport layout, pavement and lighting to structures and innovative growth. Program facilitators, including over 150 FAA employees, will use weekly knowledge-check quizzes and screenshots of students' designs to assess progress and provide feedback.

The FAA encourages both U.S. and international students to participate in this virtual event. Last year, approximately 800 students took part. Learn more about the Airport Design Challenge and visit <https://www.faa.gov/adc> to register!

### When will the next Airport Design Challenge be launched?

The 2024 season of Airport Design Challenge was launched on September 1, 2023 and will run through August 31, 2024.

### What are some of the new features of the 2024 Airport Design Challenge?

- Simplified registration process
- Automated online COPPA parental notification verification that can be completed in under a minute
- Year round game format that allows students to begin the game at anytime and allows teachers to adapt the challenge to their curriculum
- Enhanced Educator role in Blackboard and dedicated teacher/parent online support
- Updated awards ceremony

### How do I sign up?

Go to the ADC web site home page and click on "Login Here" to register for the game. If you are a student, your parent will need to complete the form and provide parental permission for you to play. The good news is the updated enrollment process, including the automated parental verification, should only take a few minutes to complete.

### How do I get Minecraft?

For more information on how to obtain Minecraft please take a look at our video Minecraft ADC Tutorial 1 – Versions and Platforms for Minecraft. You can also check to see if you have access to a free or low cost version of the game by clicking here.

### Who can participate in the FAA AVSED Airport Design Challenge?

Any student in grades K-12 may participate.

### Can I participate by myself or do I have to join a team?

We accept entries from both individuals and teams.

### What is the maximum size for my team?

Five people is the maximum that can be on a team.

### Do I have to use a local airport as the basis of my design?

No, but we highly encourage you to use a local airport so you can research it and ensure your airport is being built to FAA specifications. You can also reach out to your local airport manager and request a tour of the airport so you can see how the



buildings and runways look in real life.

### What are the categories for the competition?

- Certificates will be provided for both grades K-6 and grades 7-12 in the following categories:
- Primary Airport
- Non-primary Airport

### Some versions of Minecraft are more advanced than others; which one should I use?

While different versions of Minecraft do have different capabilities, the limited requirements we are asking for are easily accommodated by any version.

### Is the AVSED Airport Design Challenge really able to be done by anyone in grades K-12?

After reviewing several similar competitions, we were impressed by the ability of younger children to create very complex structures and designs within Minecraft. We recognize that skill levels will vary from one grade to another, but the same could be said of varying students within a single grade. Some tasks and references may require adult assistance in order to ensure understanding, but the root of the challenge is in the creativity of each student to design and develop their airport to the best of their individual abilities.

### I live outside the United States. Can I still participate in this challenge?

Yes you can! Your entry will be judged equally regardless of where you are based. Just like with US students, we recommend you pick a local airport near you so that you can have an opportunity to see the airport in person and work with the airport manager on how best to build your airport in Minecraft. Please be aware that our judges will do their best to evaluate your airport based on what is listed on Google Maps and other internet sources. However, answers to quiz questions and project assignments will be based on FAA rules and regulations. Also, the final video assignment must be narrated or subtitled in English.

### Where can I go for help?

Instructional videos, websites, and other resources will be provided to assist you throughout the entire challenge. You may also email our team at [avsed.challenge@faa.gov](mailto:avsed.challenge@faa.gov). For questions or concerns regarding software or hardware issues, please contact the administrator of the specific item.

## OFFICERS

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## CHANGING SOCIETY?

# Super Bowl Time

## By Kenneth Coppings, JD

We were hopeful that this might be the year that the Buffalo Bills win the Super Bowl. And with the changing of the game day and time with our Wildcard weekend match with the Pittsburgh Steelers, it made me wonder what other wacky things have happened in and around the Super Bowl game. And I have found many stories both good and bad that have changed the game and how we watch it.

The first example is the name itself! According to Britannica, yes the encyclopedia people, the name "Super Bowl" first appeared in 1969, as did the use of Roman numerals, which, because the game is played in a different year from the season in which it culminates, are used to designate the individual games. The next thing that I found interesting was time. Originally in the NFL the referees kept the official game time. The AFL had the official game time on the scoreboard. Eventually the combined NFL adopted the AFL rule and had the game time on the scoreboard. Later came the play clock and it wasn't until Super Bowl X according to Yardbarker, that the play clock was displayed to the players and spectators. Can you imagine a game nowadays without all these clocks? Jump ahead to Super Bowl XVI and we find the first game in which the color commentator, of course the legendary John Madden, used a telestrator to show exactly what he was explaining to the viewers at home. And that was just the beginning. Moving all the way up to Super Bowl XXXI and the introduction of the FoxBox, when the score, time remaining and the down and distance were added to your television screen. And just one year later the innovation of the first down line, which is a computer generated line to show tv viewers where the team needs to reach to get a first down was introduced. Oh, how far we've come!

And there are other things that have happened along the way that I think are also unique and noteworthy. And you may get a trivia question right if you remember them. In Super Bowl V, Dallas Cowboys player Chuck Howley became the only member of the losing team to win Super Bowl MVP honors. And speaking of losing, I know in Buffalo we are known for losing four Super Bowls but we aren't the first team to do that either! By the time of Super Bowl XI the Minnesota Vikings lost their fourth Super Bowl game, although not in a

row. We own that honor. On to happier things, it was Super Bowl XXI in 1987 that saw the emergence of the Gatorade Shower. We have the NY Giants to thank for that one! Coincidentally, it was also the same Super Bowl that MVP and winning quarterback Phil Simms was paid to look into the camera and say "I'm going to Disney World!"

And then there is the halftime show. Everyone has an opinion and there have been mishaps and scandals that I will not spend time remembering here. But from the University of Arizona Marching Band at the First AFL-NFL World Championship game to what now has become a multi-million dollar production of the highest quality with top pop culture icons vying for the opportunity to perform for a huge worldwide audience, we sure have come a long way! This year's halftime will feature recording artist Usher, just in case you haven't heard.

So, what will happen this year? Who knows, but we shall watch and see. Go Bills!! As always, Enjoy the Ride!



<https://www.flickr.com/photos/1261194@N06/52231163199/in/photostream/> by Jernej Furman

## CALENDAR OF EVENTS

02-12-24	7pm	Directors Meeting	Online (Check web, on day of, if also at UB Furnas 206)
02-18 to 02-24		Engineers Week Volunteer	Buffalo Museum of Science
02-22-24	6pm	Past President Scholarship Dinner at Banchetti by Rizzo's, Amherst	
02-22-24	730pm	Ways and Means Meeting	Banchetti by Rizzo's, Amherst
03-11-24	645pm	ESB Meetings	Please mark your calendars!
03-22-24	7-330	WNY Coatings Expo, free pdh	FTI, 585 Aero Dr, Cheektowaga
04-08-24		Solar eclipse. Buy your glasses early so you have them ready!	
04-22-24	645pm	ESB Meetings	So that you can be a part of YOUR society!
06-01-23		ESB Scholarship Applications Due	



## NEXT BIG ESB EVENT

# Past President Scholarship Dinner

## Thursday February 22

Banchetti By Rizzo's

550 N French Road

Amherst 14228

Speaker: Kemper Lewis, PhD

We will have our monthly meeting during this time too!

### Buffet Dinner!

**Bourbon Chicken and  
Stuffed Roast Pork Loin**

**Vegetable Medley      Coffee/Tea  
Salad      Rolls      Ice Cream**

**Asiago Herb Potato Bake  
Penne Broccoli Alfredo**

**Scholarship Recipients  
& Two Parents Free!  
Past Presidents Free!**

(All no shows will be billed)

**\$35    \$35    \$35    \$35    \$35**

## RESERVATIONS BY FEB 11 PLEASE!!!

Send name, email address, & **engineering discipline** for each person to [esb1894@gmail.com](mailto:esb1894@gmail.com) or mail your information (to be received by Feb 11) and a check payable to The Engineering Society of Buffalo to:

**600pm      Cocktail Hour, Cash Bar**

**650pm      Buffet Dinner**

**730pm      Meeting and Awards**

ESB  
PO Box 1677  
Amherst, NY 14226

# The Earthshot Prize

Inspired by President John F. Kennedy's "Moonshot" challenge in 1962 to land a man on the moon within a decade, The Earthshot Prize was launched by Prince William in 2020 to search for and scale the most innovative solutions to the world's greatest environmental challenges. Unleash the urgent optimism required to accelerate and scale the environmental innovations that will repair and regenerate our planet.

The challenge to the world is based on five Earthshots - simple but ambitious and universal goals for 2030 developed in collaboration with leading environmental experts. They are Protect and Restore Nature; Clean our Air; Revive our Oceans; Build a Waste-Free World; and Fix our Climate. Every year over the course of this critical decade, five winners with the best chance of helping to achieve the Earthshots will be awarded over \$1 million each to scale their solutions, with all fifteen finalists receiving tailored support. People everywhere can make a difference. Finalists chosen to **build a waste-free world** are shown below.

## CIRC

<https://circ.earth/>

The fashion industry diverts 92 million tons of textiles to incinerators or landfills each year, and less than one percent of textile waste is recycled into new clothing. The textile production process is extremely resource-intensive. For example, cotton production uses 3.3 million acres of land and six billion cubic meters of water annually and polyester production uses 70 million barrels of oil each year.

While over-consumption and "fast fashion" remain major challenges to creating a more sustainable industry, there are also significant technical barriers that prevent the recycling of textiles and our ability to reuse them to create new clothing. One example: Textile recycling solutions have not yet been able to effectively process polycotton, a synthetic blend of cotton fibers and plastic polymers that accounts for nearly half of all textile waste. Polycotton takes around 200 years to biodegrade, and it releases chemicals like carbon dioxide, carbon monoxide, and other toxic compounds when burned in incinerators.

U.S. based company Circ, co-founded by Peter Majeranowski, has developed a revolutionary method for recycling polycotton. Circ takes polycotton and completely separates the polyester from the cotton fibers through its patented hydrothermal process, which turns polyester fibers into a liquid polymer. Preserving and separating the polyester without damaging the cotton, allows both cotton and polyester fibers to be reused in the production of new textiles, while also reducing carbon emissions substantially.

Every polycotton garment Circ recycles is one less piece of clothing diverted to landfill or burned in incinerators that poison the air. Circ has made huge progress, diverting 103 tons of textile waste from landfills back into circulation and preventing 130,000 kg of carbon dioxide emissions.

Within the next three years, the company plans to open a factory with the capacity to recycle 60,000 tons of textile waste annually. By 2030, Circ will have quintupled its capacity to 300,000 tons, helping to set the fashion industry on the path towards circularity.

## COLORIFIX

<https://colorifix.com/>

The fashion industry not only creates waste in our landfills; it also wastes precious water and strains natural resources because of the energy-intensive process used for dyeing fabrics.

Before the 19th century, fabric dyes were derived from natural plants and crops, and colorful clothing was considered a luxury reserved only for the wealthy and privileged. After the industrial revolution

brought about synthetic dyes, colorful dyed fabrics and clothing became accessible to the masses and created the modern fashion industry. However, chemically synthesized dyes have come at a significant cost as they seep into rivers, harm wildlife, and use vast amounts of water resources. Fabric dyeing consumes five trillion liters of water every year, the equivalent of two million Olympic-sized swimming pools.

UK based Colorifix has an innovative solution derived from nature. Inspired by their study of water contamination in Nepal, founders Orr Yarkoni and Jim Ajioka have created an efficient fabric-dyeing process that uses the DNA codes for colors found in nature and teaches microbes to recreate them. Just as brewing beer uses the power of microorganisms to ferment wheat, Colorifix is harnessing microscopic life to make natural fabric dyes.

The process begins with Colorifix identifying a color created naturally by an animal, plant, or microbe. Then, using DNA sequencing, they identify where that color is coded in the genetics of that organism. The DNA code is then translated into Colorifix's own engineered microorganisms, enabling them to produce the pigment - just as it is made in nature - and transfer it to the fabric.

Colorifix's natural dyes cut chemical pollution by 80%, and when applied to fabrics, they require far fewer rinses than synthetic dyes, ultimately saving vast quantities of water. Already gaining traction in the fashion industry, Colorifix have ambitions to dye 15% of the world's clothes by 2030, helping big manufacturers make good on their sustainability targets.

## S4S Technologies

<https://s4stechnologies.com/>

Much of India's rural population relies on smallholder farming for their income and livelihoods. But every year about 30% of agricultural produce is wasted before it leaves the farms.

This is because bumper crops and price fluctuations often force farmers to leave unsellable crops rotting in the fields. These wasted crops squander the precious energy and water used to grow them, demand additional resources for their disposal and cause income losses for small farmers, which can deepen rural poverty and exacerbate inequality.

Founded in 2013 by six university friends - Nidhi Pant, Vaibhav Tidke, Swapnil Kokte, Ganesh Bhare, Shital Somani, Tushar Gaware and Ashwin Pawade - S4S Technologies combats food waste, rural poverty, and gender inequality by helping smallholder female farmers preserve and market surplus produce.

The organization provides rural communities with cheaper solar-powered conduction dryers and food processing equipment to prepare their crops on-site, rather than using cold storage or other more expensive methods of conventional industrial food preservation.

With a focus on supporting female farmers, S4S also supports its entrepreneurs in using the preserved waste to produce and sell valuable food products, such as ketchup. S4S creates a market, connecting commercial buyers to these products and returning most of the profits to the farmers who made them.

Some 300,000 women smallholder farmers supported by S4S have recorded 10-15% increases in their profits, while the 2,000 female entrepreneurs they partner with have seen incomes double or even triple. By 2025, S4S wants to extend their reach to three million smallholder farmers and 30,000 entrepreneurs. By 2026, they predict they will have reduced food waste by 1.2 million tons and removed the equivalent of 10 million tons of CO<sub>2</sub> from the atmosphere.

# ESB Needs You

Gain leadership experience.

Craft the future direction of the society.

Create lasting business relationships.

Know who would be perfect?

YOU!



GAIN

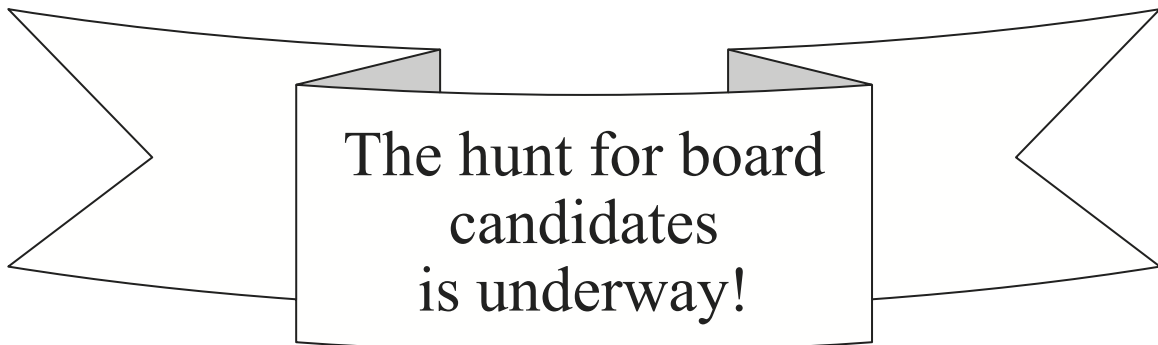
INSPIRE

SERVE

**Would you be interested in becoming a director on the board of The Engineering Society of Buffalo?**

The board meets monthly typically on a Monday evening. We are seeking candidates to run in the ESB yearly election which typically occurs in May.

Please contact ESB at [esb1894@gmail.com](mailto:esb1894@gmail.com) to find out how to get your name on the ballot or even if you have just a touch of interest. No experience is required.



ESB works jointly with NYSSPE and UB to provide training for candidates planning to take the FE or PE exams. The planning committee is searching for its next member, preferably with a PE license! Meetings occur over about four 90 minute lunches per year. Tasks are then assigned to complete outside of meetings, but the work is more a repeat of last year, typically taking less time than the meetings. Participation is rewarding, helping young engineers pursue a significant life achievement. Please contact [esb1894@gmail.com](mailto:esb1894@gmail.com) to discuss this opportunity with Norm Hirschey, the ESB Professional Education Committee Secretary. ESB supports engineers!



## KISTNER CONCRETE PRODUCTS INC.

Manufacturer of Engineered Precast Solutions

Phone: 716-508-5550  
Phone: 716-693-0174  
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- VAULTS: ELEC., POWER, COMMUNICATION, WATER, UTILITY
- WASTWATER PRODUCTS: SEPTIC TANKS 300- 10,000 GAL.
- NPCA - NATIONALLY CERTIFIED MFG. PLANT
- NYSDOT - QA/QC APPROVED LIST FACILITY

# Local/Online PDH Opportunities

For additional information regarding these opportunities, contact our office at [ESB1894@gmail.com](mailto:ESB1894@gmail.com) or 716-201-0701. Discounts for some pricing are available for certain society members, small companies, etc. And if you have information regarding future PDH opportunities that may be of interest to our members, please forward them to our office for inclusion in the newsletter and on our website at [www.tesb.org](http://www.tesb.org).

Date	Hours	Location	Information	Cost
02/05/24	2.0	Webinar	Project management and ethics	\$99
02/06/24	2.0	Webinar	Crushing the code NYS: Residential envelope	Free
02/06/24	1.0	Webinar	Net zero projects for off grid manufacturing, an industrial complex and a school	\$50
02/06/24	4.0	Webinar	Green building basics	\$330
02/06/24	4.0	Webinar	LEED v4	\$330
02/06/24	1.0	Webinar	Elevator 101	\$300
02/06/24	2.0	Webinar	Planning the next generation airports	\$110
02/06/24	3.0	Webinar	Deep dive into preconstruction planning	\$159
02/06/24	2.0	Webinar	Electrifying existing homes: Needs assesment and data collection	\$109
02/07/24	4.0	Webinar	Effective water utility management	\$330
02/07/24	2.0	Webinar	Roller compacted concrete	\$110
02/07/24	2.0	Webinar	Unreinforced slope stability	\$135
02/07/24	2.5	Webinar	Engineering - Ethical dilemma, moral disengagement and AI	\$120
02/07/24	2.0	Webinar	Deep dive into horizontal and vertical alignment of roadway design	\$109
02/08/24	2.0	Webinar	DOE energy storage technologies for solar and wind power	\$135
02/08/24	2.0	Webinar	Crushing the code NYS: Residential building systems	Free
02/08/24	2.0	Webinar	Corrosion control and prevention	\$110
02/08/24	2.0	Webinar	Time management tips for busy professionals	\$110
02/08/24	2.0	Webinar	Electrical power for non-electrical engineers	\$99
02/09/24	6.0	Webinar	Evaluating and maintaining structural integrity of buildings in the northeast	\$319
02/12/24	2.0	Webinar	Basics of the business side of engineering	\$99
02/12/24	6.0	Webinar	Natural ventilation principles and techniques	\$319
02/13/24	2.0	Webinar	Crushing the code NYS: Commercial envelope	Free
02/13/24	2.0	Webinar	Developing defensible project work performance metrics	\$99
02/13/24	2.0	Webinar	Responding to radon	\$135
02/13/24	7.0	Webinar	Basement design and construction: Adding economical below-grade living space	\$319
02/14/24	7.0	Webinar	Restoring natural areas in urban areas	\$319
02/14/24	6.0	Webinar	Designing and construction with steel joists	\$319
02/15/23	1.0	Webinar	TBPELS ethics	Free
02/15/24	2.0	Webinar	Crushing the code NYS: Commercial building systems	Free
02/15/24	3.0	Webinar	How to design for snow and ice loads	\$159
02/16/24	3.0	Webinar	How to obtain, interpret, and change a FEMA flood map	\$159
02/20/24	4.0	Webinar	2021 International residential code: Energy conservation	\$209
02/20/24	2.0	Webinar	Managing construction costs & supply chain issues	\$109
02/21/24	2.0	Webinar	Roadmap to ethical issues in construction: A primer for design professionals	\$109
02/22/24	2.0	Webinar	Deep dive into constructed stormwater wetlands	\$109
02/23/24	2.0	Webinar	So, you've been called as an expert witness? What to expect & how to prepare	\$99
02/23/24	3.0	Webinar	Introduction to surface spreading managed aquifer recharge	\$159
02/26/24	2.0	Webinar	Arc flash and electrical safety	\$99
02/26/24	2.0	Webinar	Focus on volatile organic compounds	\$109
02/27/24	3.0	Webinar	Introduction to climate change	\$149



# WESTERN NEW YORK ENGINEER ADVERTISING CONTRACT

SEPTEMBER 2023 - AUGUST 2024

*The Western New York Engineer is a monthly publication of ESB*

Please insert our advertisement in the ESB Newsletter per terms and stipulations of the following rates:

Select One	Ad Start Month	Number of Issues To Include Ad	<input type="checkbox"/> Business Card Maximum size 3-7/8" wide x 2" tall	<input type="checkbox"/> 1/4 Page Maximum size 3-7/8" wide x 4-1/4" tall 8" wide x 2" tall	<input type="checkbox"/> 1/2 Page Maximum size 8" wide x 4-1/4" tall	<input type="checkbox"/> Full Page Maximum size 8" wide x 9-3/4" tall
<input type="checkbox"/>	September	11	\$195	\$345	\$550	\$980
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<input type="checkbox"/>	January	7	\$175	\$315	\$500	\$880
<input type="checkbox"/>	February	6	\$165	\$300	\$480	\$840
<input type="checkbox"/>	March	5	\$150	\$275	\$450	\$785
<input type="checkbox"/>	April	4	\$130	\$240	\$400	\$695
<input type="checkbox"/>	May	3	\$105	\$195	\$330	\$570
<input type="checkbox"/>	June	2	\$75	\$140	\$240	\$410
<input type="checkbox"/>	July	1	\$40	\$75	\$130	\$215
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<input type="checkbox"/>	Color Back Half Page 11 months					\$1,300
<input type="checkbox"/>	Online Ad thru August 2018 (Add On Only)					\$20

ESB **Corporate** Members receive a 20% discount from the above pricing. You may update your membership to corporate at any time by paying the difference in dues for the year.

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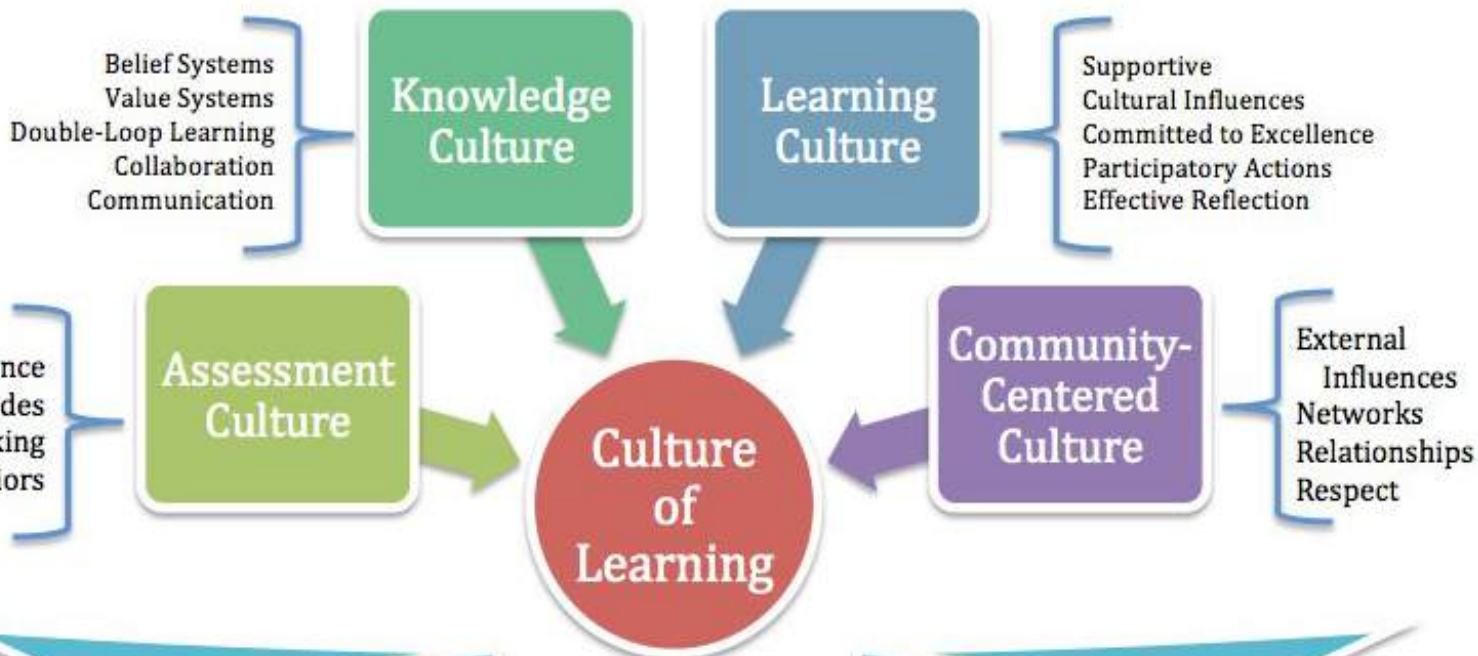
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UPDATE AD ANYTIME!  
 JUST EMAIL A JPG BY  
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Return Contract to:  
 THE ENGINEERING SOCIETY OF BUFFALO, INC.  
 PO Box 1677  
 AMHERST, NY 14226  
 PHONE: 716-201-0701  
 EMAIL: ESB1894@GMAIL.COM  
 MAKE YOUR CHECK PAYABLE TO "ESB"

# Learning Is Power, Free is Good

- |          |   |          |   |
|----------|---|----------|---|
| 01-31-24 | Breaking the code - Your invitation to participate in the ICC code change process                         | 02-08-24 | automotive and industrial applications  |
| 01-31-24 | Leveraging digital process twins for efficient and flexible hydrogen production: From design to operation | 02-09-24 | Innovative food and beverage heating and temperature control solutions from thermon |
| 01-31-24 | Digital tools to enhance customer experience and increase airport revenue                                 | 02-12-24 | Mental health in tech   |
| 01-31-24 | Unlocking a sustainability win in printed circuit board fabrication using less power, water and chemicals | 02-13-24 | Cybersecurity   |
| 01-31-24 | Keeping your business safe online   | 02-13-24 | To employ or not to employ  |
| 01-31-24 | Website development for your small business   | 02-13-24 | Digital tools, software, & apps to efficiently manage your small business           |
| 01-31-24 | Setting and keeping resolutions   | 02-14-24 | Navigating grief  |
| 01-31-24 | Contract management and artificial intelligence - making it real  | 02-15-24 | Unlock your story: Business book-writing  |
| 02-01-24 | Enhance your construction career  | 02-20-24 | Steps to net zero - Energy and buildings  |
| 02-04-24 | Digital entrepreneurship (entrepreneurship)   | 02-21-24 | Grow your small business on instagram   |
| 02-06-24 | Human resources   | 02-22-24 | Canva 101: Mastering the basics   |
| 02-07-24 | Promoting work-life balance: Strategies for supporting employee well-being                                | 02-28-24 | Quality impacts business: Driving bottom line success through quality               |
| 02-08-24 | Infineon's new isolation product family: ISOFACE digital isolators address both                           |          |   |



Organizational Culture Mind Map  
By Kathy Valunas

Photo from Flickr



# MEETING MINUTES

**Attendees:** Officers: Closs, Rousseau, SanFilippo, Scott  
Board Members: Fedri, Hirschey, Huber, Prince

**Call to Order:** President David Rousseau called the meeting to order at 843pm on 08 January 2024.  
**Minutes:** The minutes of the December meeting were reviewed and approved

## Committee Reports

**Advertising:** A chairman is needed  
**Bowling:** No report  
**Bylaws:** No report  
**Education:** Committee meeting Friday 01-12-24  
**Endowment:** No report  
**Events:** No report  
**Financial Review:** No report  
**History:** No report  
**Marketing:** No report  
**Membership:** Membership drive is underway. Membership letters are going out soon.  
**Newsletter:** No report  
**Nominating:** Currently, there are four open spots on the board. Anyone interested in gaining leadership experience and crafting the future direction of ESB should contact an existing board member. An election in May at a brewery is desired, as has been done in the past.  
**PPSD:** Planned for February 22, 2024 at Banchetti By Rizzo's. Cocktail hour at 6pm, dinner at 650pm. Cost \$35.  
**Scholarship:** Checks will be presented at Past President Scholarship Dinner  
**Scholarship Run:** No report  
**Sunshine:** No report  
**Adjournment:** The meeting adjourned at 900pm  
**Next Meeting:** Thursday February 22, 2024 at Banchetti by Rizzo's  
(Board meeting online on February 12)

# Meeting

ESB - 103 Years Strong!



**Robert E. Knoer**

**THE KNOER GROUP, PLLC** ATTORNEYS AT LAW

424 Main Street, Suite 1820, Buffalo, New York 14202

(716) 332 • 0032

E-mail: rknoer@knoergroup.com

**Happy Birthday to our members!**

**Carmelo Fiorello Jr**

**Alan J Rebman**

**Edward Berlin**

**Steve SanFilippo**

**Allen Vaillancourt**

**Gino Forte PhD PE**



**JOIN ON  
FRIDAY, MARCH 22<sup>ND</sup>, 2024  
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WCNY COATINGS AND CORROSION FORUM**

**Offering 5 PDHs/Contact Hours**

- **Vendors & Exhibitors from the Coatings and Surface Preparation Industry**
  - **Live Demonstrations, Virtual Reality Competition**
    - **No registration Fee**
    - **Breakfast, Lunch & Door Prizes**
- **Attendees Include: Professional Engineers, Water Operators, Wastewater Operators, Vendors, Contractors, Applicators, and other Industry Leaders**

*Come for any amount of Continuing Education that fits your schedule. Classes will be updated on website by February 1, 2024*

Friday, March 22nd

7:30-8:30:	Registration, Breakfast/Coffee, Vendor Demonstrations, & Opening Statements
8:30-9:30:	Presentation
9:30-9:50:	20 Minute Break with Vendor Demonstrations
9:50-10:50:	Presentation
10:50-11:10:	20 Minute Break with Vendor Demonstrations
11:10-12:10:	Presentation
12:10-1:10	Lunch with raffles and vendor demonstrations
1:10-2:10:	Presentation
2:10-2:30	20 Minute Break with Vendor Demonstrations
2:30-3:30:	Presentation
3:30 -3:45:	Raffle Prizes, Evaluations, Closing Remarks

**Location: 585 Aero Drive, Cheektowaga, NY 14225**

**Time: 7:30am – 3:45pm**

**Please register at <http://wnycoatingsexpo.com/>**

**To reserve a vendor table, contact Frank Stento: [fstento@dc4.org](mailto:fstento@dc4.org) or 607-727-5208**

- **All 5 courses accredited granting continuing education for:**
  - **Professional Engineers (NYSSED)**
  - **Water Operators (NYSDOH) WWTP Operators (NYSDEC)**

**\*\*Operators looking for contact hours please bring your certification number\*\***

The members of the Board of Directors wish to express their sincere appreciation for your support as a member of The Engineering Society of Buffalo.

It is through members like you, that we are able to provide 16 annual scholarships, mentor students, publish ten issues of the *WNY Engineer* newsletter, assist local teams competing in national competitions, support Professional Licensing exam preparation classes (joint with NYSSPE and UB), provide a clearinghouse for certification courses, and work jointly with other technical organizations across Western New York.

As we move through 2024, ESB leadership will initiate plans to bolster our organization's reputation as a respected technical organization providing educational, career, volunteer, fellowship, and networking opportunities for our members and community. Stay tuned!

Please return this form along with a check made payable to The Engineering Society of Buffalo by February 29th. Also, please consider lending a hand on one of our committees.

If you have any questions, suggestions, or ideas, please feel free to text Frederick Fedri, P.E. at 214-475-6433, via email at [ffedripe@gmail.com](mailto:ffedripe@gmail.com), or visit [www.tesb.org](http://www.tesb.org).

**September 2023 - August 2024 Membership Dues**

- Regular \$90     Out of State \$35     Retired \$30     Student \$20

The Engineering Society of Buffalo  
P.O. Box 1677  
Amherst, NY 14226  
[ESB1894@gmail.com](mailto:ESB1894@gmail.com)

**Personal Information**

Name \_\_\_\_\_ (PE) (EIT) (PhD)  
Engineering Discipline\* \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_  
Zip Code \_\_\_\_\_  
Home Phone \_\_\_\_\_  
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Cell Phone \_\_\_\_\_  
Business Email \_\_\_\_\_

**Preferred Contact**

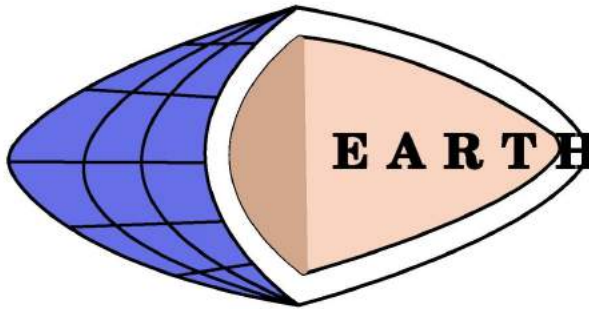
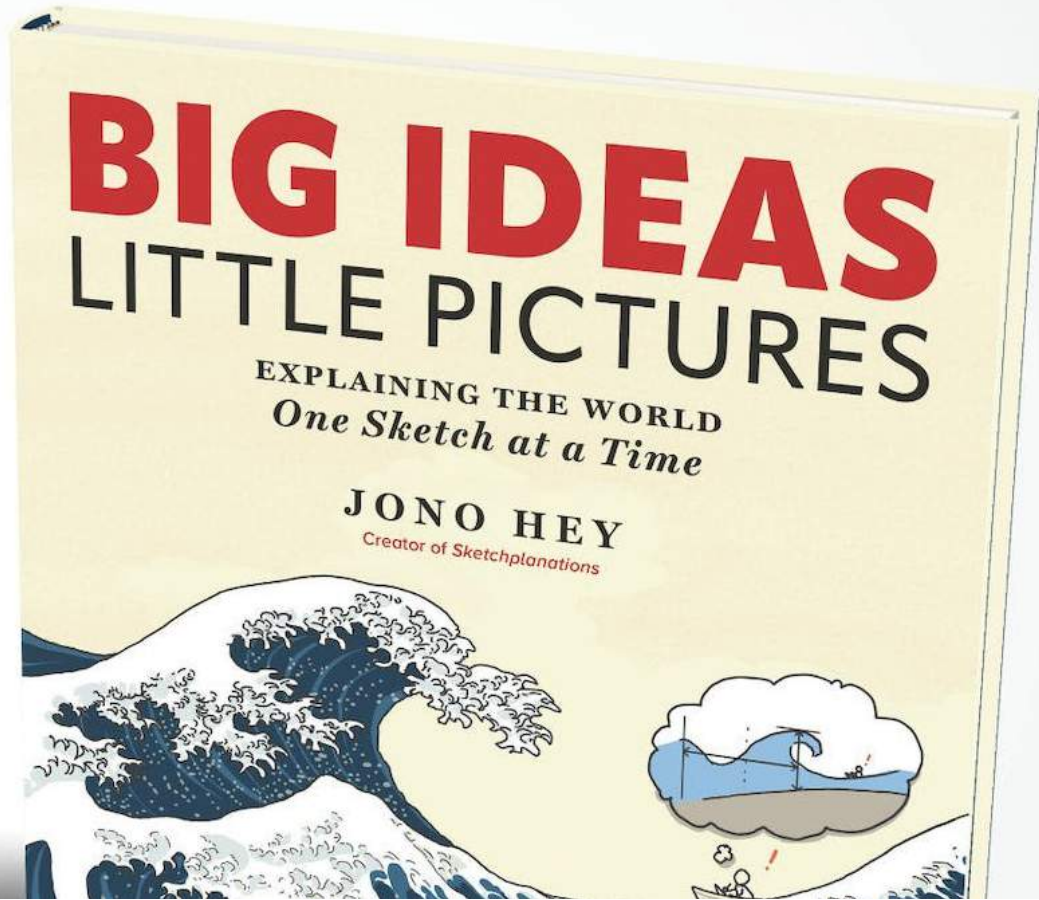
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\*Engineering Discipline Definition: Includes all aspects of engineering-oriented work, appropriate technical areas, work experience directed towards a technical certification, or interest in the engineering profession and related activities.

Examples include: Civil, Mechanical, Chemical, Aerospace, CAD, Process, Industrial, Computer, Medical Technology, IT, Design Support, Technical Writer, Project Support, Project Manager, Architect, Tech Training, Regulatory Specialist, Product Sales and Support.

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Don't know what to write about? Send an email to [ESB1894@gmail.com](mailto:ESB1894@gmail.com) and Robin M Closs SE PE will send you a few topics to choose from and probably an article with some good information to get you started. Showcase some of your talents in an upcoming month.

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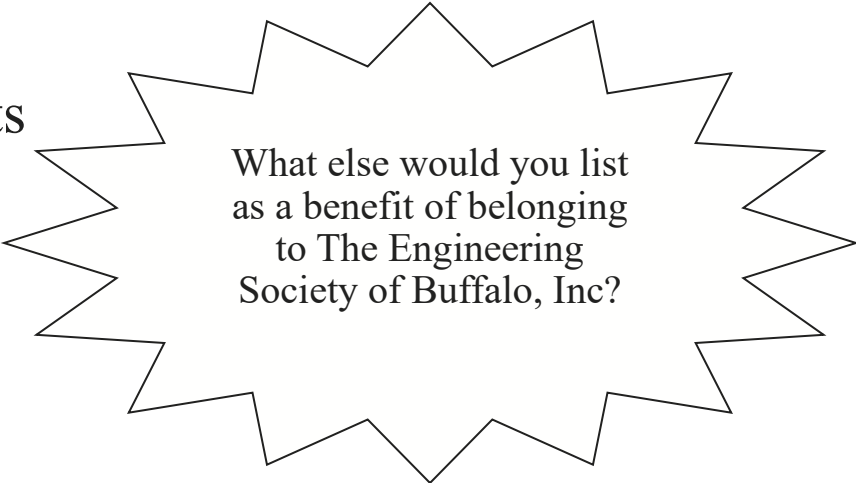
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# Future ESB Events

Do you have any ideas for future events?

If so, please send an email to [ESB1894@gmail.com](mailto:ESB1894@gmail.com)

02-22-24

02-18-24 to 02-24-24

Spring

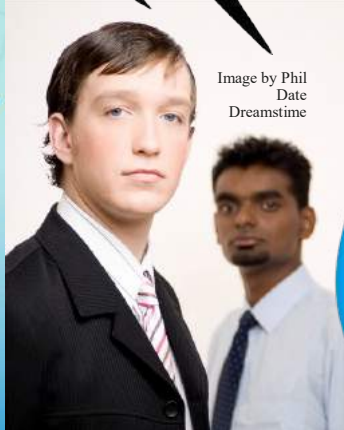
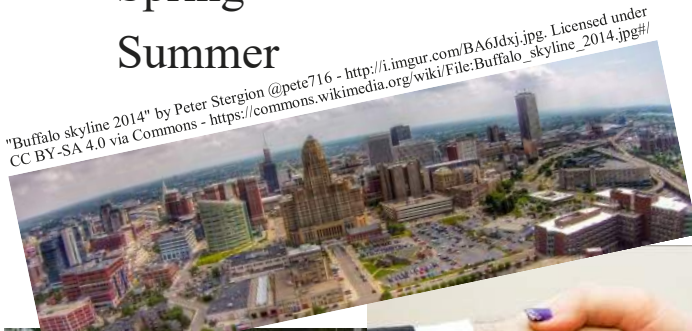
Summer

Past President Scholarship Dinner

Engineer's Week Volunteer

Election/Networking Event

Scholarship Run



Happy Valentine's Day!

Adapted from image at VectorPortal.com

Need to measure?  
Use pennies!  
16 stacked = 1 inch  
16 laid flat = 1 foot

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ESB1894@gmail.com and  
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