

January 2018 Calendar

Date: January 08, 2018

Technical Societies Council Officers

President: Vikki Hirschey (BEAM)
Vice President: Padma Kasthurirangan (IEEE)
Treasurer: Frank Kizlik (AIChE)
Secretary: Jim Grace
TSC website – www.eng.buffalo.edu/tsc/

Calendar of Upcoming TSC Delegate Meetings

- **Monday, January 8, 2018 at 6:00 PM:**
TSC Delegate's Meeting, UB @ Davis 208
- **Monday, March 12, 2018 at 6:00 PM:**
TSC Delegate's Meeting, UB @ Davis 208
- **Tuesday, March 13, 2018**
TSC Joint Meeting, Salvatore's
- **Monday, May 14, 2018 at 6:00 PM:**
TSC Delegate's Meeting, UB @ Davis 208
- **Monday, July 9, 2018 at 6:00 PM:**
TSC Delegate's Meeting, UB @ Davis 208

TSC Members

ABCD	<i>Association for Bridge Construction and Design</i>
ACEC of WNY	<i>American Council of Engineering Companies</i>
AFE	<i>Association for Facilities Engineering</i>
AIChE	<i>American Institute of Chemical Engineers</i>
APICS	<i>Association for Operations Management</i>
APWA	<i>American Public Works Association</i>
ASCE	<i>American Society of Civil Engineers</i>
ASHRAE	<i>American Society of Heating, Refrigerating and Air Conditioning Engineers</i>
ASM	<i>The Materials Information Society</i>
ASME	<i>American Society of Mechanical Engineers</i>
ASQ	<i>American Society for Quality</i>
AWMA-NFS	<i>Air & Waste Management Association</i>
BAPG	<i>Buffalo Association of Professional Geologists</i>
BEAM	<i>Buffalo-Area Engineering Awareness for Minorities</i>
CHMM	<i>Certified Hazardous Material Managers</i>
CSI	<i>Construction Specifications Institute</i>
ESB	<i>The Engineering Society of Buffalo</i>
IEEE	<i>Institute of Electrical and Electronic Engineers</i>
IES-Buffalo	<i>Illuminating Engineering Society of Buffalo New York</i>
ISA	<i>International Society of Automation</i>
ITE	<i>Institute of Transportation Engineers</i>
NACE	<i>NACE International, the Corrosion Society</i>
NYSATE	<i>New York State Association of Transportation Engineers</i>
NYSSPE	<i>New York State Society of Professional Engineers</i>
SAME	<i>Society of American Military Engineers</i>
SME	<i>Society of Manufacturing Engineers</i>
SWE	<i>Society of Women Engineers</i>
UBEASAA	<i>UB Engineering & Applied Sciences Alumni Association</i>
VINF	<i>Vibration Institute, Niagara Frontier</i>

TSC – Technical Societies Council

Topic: *Invoice for Dues*

Duration: 2017 - 2018

Member Society Dues: \$50.00

Make checks payable to the **TSC** with a notation on the check that it is for TSC dues

Remit to: Frank J. Kizlik

TSC Treasurer

60 Jenell Drive

Grand Island, NY 14072

Questions: email fjkizlik@roadrunner.com or 773-1652

Society can be linked to the TSC Website:

www.eng.buffalo.edu/tsc

ASQ – American Society for Quality

Free Training – Lunch Time Webinars

Tuesday, January 9, 2018

“Survival of the Fittest: Quality Tools for the Future”, by Willy Vandenbrande, Consultant Quality Management, QS Consult; and ASQ Country Councilor for Belgium

Thursday, January 18, 2018

“Tips for Using LinkedIn That Every Quality Professional Should Know”, by Stephanie Gaulding, Principal Consultant, DPS Engineering

Tuesday, January 23, 2018

“A3 Innovations”, by Joseph Vacca, Head of Operational Excellence, CIGNA HealthSpring

Saturday, January 27, 2018

“Cost of Social Responsibility: Control Risks & Profits”, by Daniel Zrymiak, Performance & Functional Excellence Advisor/Associate Manager, Accenture

Thursday, February 8, 2018

“Fix Your Fights: Using Better Conflict Management Skills”, by Angela Spranger, Ph.D., Consultant, StepOne Consulting LLC

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Tuesday, February 13, 2018

"Culture Is EVERYTHING", by Connie Hess, MBA, SHRM-SCP, Partner/General Manager, Valley Engineering

Thursday, February 22, 2018

"Inventive Thinking & Systematic Innovation", by Dave Verduyn, President, C2C Solutions Inc.

Tuesday, February 27, 2018

"Supplier Social Responsibility", by Jennifer Stepniowski, Regional Director, North America, Pro QC International

Tuesday, March 6, 2018

"Auditing Topic TBD", by Kristin Case, P.E., CaseConsults LLC

Thursday, March 15, 2018

"Energizing Innovation with Maps", by Therese Steiner, J.D., Director of Operational Effectiveness, LexisNexis

Tuesday, March 20, 2018

"Quality by Design", by Ronald D. Snee, Ph.D., Founder & President, Snee Associates

Tuesday, April 10, 2018

"Lean Six Sigma in Healthcare Labs: Unclaimed Opportunity", by Katie Castree, MHA, ASQ CSSBB, Operations Excellence Manager, Accumen Inc.

Thursday, April 19, 2018

"Work of Quality Leaders", by Susan O. Schall, Ph.D., Founder & President of SOS Consulting, LLC

American Council of Engineering Companies (ACEC of WNY)

ACEC Western New York Membership

Date: January 12, 2018

Time: 12:00 noon

Location: Chef's Restaurant 291 Seneca Street (at Chicago)

Topic: Annual ACEC Legislative Forum

Speakers: New York State Assembly

Members:

- Robin Shimminger (D)
- Angelo Morinello (R)
- Sean Ryan (D)
- David Dipietro (R)

Our guest Assembly members have been briefed on ACEC legislative priorities (See attached). Please plan on joining us for an interesting and informative meeting. This program is open to all employees of ACEC New York member firms at no additional cost. **We encourage you to share this invite with your co-workers and staff.**

Cost: Free for ACEC Members - \$20 for non-members

***Please register online using Signup Genius @

<http://www.signupgenius.com/go/5080b49a9ac2ca6f94-acec3>

IES Buffalo - Illuminating Engineering Society of Buffalo New York

TUNABLE WHITE

Date: January 16, 2018

Time: 7.30 AM to 9.00 AM

Location: Courtyard Buffalo Airport
4243 Genesee St
Cheektowaga, NY 14225

Description: Learn how OLEDs create new dimensions in lighting As LEDs continue to increase performance and reduce cost, the control of Color Temperature (CCT) and

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spectrum brings compelling features and challenges to the market. A discussion of fundamental features of spectrum control with a focus on Tunable White control is presented. The presentation includes: 1) a discussion of the categories of spectrum control (Warm Dimming, Tunable White, Full Color Control), 2) challenges with tunable white today (including feature and control challenges), and 3) improving the user experience.

Breakfast, education, and networking are planned; we look forward to welcoming you.

Speaker: Craig Casey is a Senior Building Science Engineer at Lutron Electronics Co., Inc. He works in the Energy Information and Analytics group conducting applied research on energy and human benefits of lighting and daylighting controls. He is finishing his dissertation at Penn State University to receive his Ph.D. in Architectural Engineering. This work involves the application of statistical modeling to daylight illuminance distributions for determining daylight zones. He has presented multiple times at the Illuminating Engineering Society's Annual Conference as well as at the International Radiance Workshop and LightFair. Craig currently sits on three committees within the IES, the Architectural Simulations Subcommittee of the International Building Performance Simulation Association (IBPSA), and chairs the AERC committee on Attachment Operation Schedules. Craig was the Conference Steering Committee Chair for the 2015 IES Annual Conference.

TICKETS

\$30.00 Member

\$40.00 Guest

Registration:

<https://buffaloies.starchapter.com/meet-reg1.php?id=47>

Ignite Event

Date: May 14, 2018

Time: 5.30 PM

Location: Burchfield Penney Art Center

Speaker: Chip Israel, Lighting Design Alliance

AWMA-NFS

2018 Annual Enrichment Seminar

Date: January 24, 2018

Time: 7.30 AM – 4.30 PM

Location: Templeton Landing, 2 Templeton Terrace, Buffalo, NY 14202

Cost:

\$110 - Advance registration (before January 13, 2018)

\$130 - Registration (after January 13, 2018)

\$40/65 - Government Representatives

\$35 - Full Time Students and Retirees

\$400 - Exhibitor (includes 1 attendee)

\$450 - Exhibitor (includes 2 attendees)

\$25 additional fee for CLE credits

Free - Student Volunteers (first 5)

Registration fee includes applicable PDH credits

Speakers:

Keynote Speaker - To be announced

Session I - 6 NYCRR Part 360 Revisions -
NYSDEC Regulatory Update

Richard Clarkson - NYSDEC Albany

Session II - NYS Brownfields Program - Best
Practices, Program Update & Case Study
Jennifer Dougherty - NYSDEC Buffalo

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Chad Staniszewski - NYSDEC - Buffalo
Michele Wittman - Hazard Evaluations

Session III - EHS Facility Best Practices - An
In-house Perspective

Colin Casey (Great Lakes Environmental &
Safety Consultant)

Timothy Gominiak - Perry's Ice Cream Co., Inc.

Matthew Kandefor - Honeywell International

Session IV - Beneficial Use of Dredged
Material Across the Great Lakes

Karen G. Keil, Ph.D. - U.S. Army Corps of
Engineers

Session V - Emerging Contaminants and
Challenges to New York's Water Supply

Jim Occhialini - Alpha Analytical

Registration: see website
(awmanfs.wildapricot.org) for additional details
and to register

Measuring Greenhouse Gas Emissions from Natural Gas Infrastructure

Date: February 22, 2018

Time: 5.30 PM – 9.00 PM

Location: The 33 Speak Easy Grille, 3455
Genesee Street, Cheektowaga, NY 14225

Description: Coming Soon

Upcoming Dinner Meetings

TSC March 13, 2018

Thursday April 26, 2018

Thursday May 24, 2018

The Air & Waste Management Association -
Niagara Frontier Section (AWMA-NFS) will be
sponsoring and selecting qualified candidates
who sincerely want to spend a week at a
NYSDEC Environmental Education Summer
Camp learning about the environment.

AWMA-NFS will provide the \$350 cost of the
camp. Parents are required to provide travel to
and from the camp of their choice. Deadline
for applications is Thursday January 11, 2018.
For more information, please visit our website
at [https://awmanfs.wildapricot.org/page-
1742978](https://awmanfs.wildapricot.org/page-1742978).

ASCE– American Society of Civil Engineers

Using Soil-Cement Mixing for Soft Ground Improvement at a Landfill

Date: January 17, 2018

Time: 5.30 PM -7.30 PM

Location: Classic V Banquet Hall
2425 Niagara Falls Blvd, Amherst, NY 14228

Speakers: Todd Swackhamer, P.E. and Jon
Whiting, E.I.T.

Presentation Overview:

The Seneca Meadows Landfill in central New
York is the largest municipal solid waste landfill
in the state. It is situated in extremely
challenging soil conditions that have caused a
history of stability problems at the facility.
Following two major slope failures during
construction in the early 2000's the facility
decided to try a different approach to develop
stable landfill cells. Todd will discuss the site
history and geologic setting of the facility, and
how his firm assembled a massive amount of
data into a model to characterize the
subsurface conditions. He will describe how
the model was used to design a ground
improvement program to allow for the berms
and excavations to be constructed while
meeting the required factors of safety. Jon will
conclude the discussion talking about the
construction methods, assessment techniques,
and lessons learned from the last few years.

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Speaker Bio:

Todd graduated from the University of Cincinnati in 1998 with his Bachelor of Science in Civil Engineering and from the University of Michigan in 1999 with his Master of Science in Civil Engineering with a geotechnical engineering focus. Following his graduation, he joined McMahon & Mann Consulting Engineers, P.C. (MMCE), a geotechnical engineering consulting firm located in Buffalo. Todd became a principal in the firm in 2014. He has worked on a wide variety of geo-design projects, mostly in the Midwest and Northeast. His focus has been in slope stabilization, excavation support design, creek stabilization, and dam engineering.

Jon graduated from the State University of New York at Buffalo (UB) in 2015 with Bachelors of Science in Civil Engineering with a focus on geotechnical and structural engineering. He joined MMCE after receiving his degree. His focus with MMCE has been on subsurface exploration and characterization, geo-structural projects, construction monitoring, and slope stabilization. Prior to graduating from UB, Jon spent 15 years working in construction related fields.

Cost:

Member: \$25.00

Non-Member: \$30.00

Student: \$15.00

PDH Credits: 1 PDH Approved

Registration:

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07eex49g7v09f9fb40&oseq=&c=&ch=>

ABCD, ACEC & ASCE Joint Dinner Meeting Engineer's Week Meeting!

Date: February 15, 2018

Time: 6.00 PM – 8.00 PM

6pm Social, 7pm Dinner to follow

Location: Classic V Banquet Hall
2425 Niagara Falls Blvd, Amherst, NY 14228

Title: Flight of 5 Lockport Canal Original Lock Refurbishing

Speakers: Don Nims from Bergman

PDH Credits: 1 PDH Approved

Cost: \$30

NYSSPE - New York State Society of Professional Engineers

Lunch Seminar - Decommissioning Challenges at the UB Nuclear Reactor

Date: January 24, 2018

Time: 11.30 AM

Location: Orazio's Restaurant, 9415 Main St, Clarence, NY 14031

Registration: Register online and see current speaker list at www.erieniagarape.org/events

Speakers:

Mark S. Adams, P.E., UB Safety Engineer
Robert J. Weller, P.E., UB Project Manager

In April of 1961, the then private University of Buffalo nuclear reactor was taken to criticality ushering in a new era in Buffalo. Research reactors were springing up on campuses from coast to coast and UB's was in the top tier with the likes of MIT and the University of Michigan. The Buffalo reactor survived two major fuel upgrades and numerous repairs to its liner and piping systems, the most recent in 1991. But in 1994, with still more upgrades and repairs necessary to stay competitive, the University

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decided to close the facility. Removal of the reactor fuel was delayed by the Department of Energy until 2005 and decommissioning activities began in earnest in 2008. The technical and political challenges mounted as work planning and physical removal of the facility moved along. It is these topics we wish to consider. People say “you can’t make this stuff up” and the Buffalo D&D project certainly fits this category!

Cost:

NSPE Members (Any Chapter): \$25.00 (USD)

Non-Members: \$30.00

Students (No PDHs): \$10.00

PDH Credits: 1 PDH is pending for this Session!

2018 E-Week Seminar Series

Date: February 23, 2018

Time: 7.15 AM – 5.00 PM

Location: Grapevine Banquets

333 Dick Road, Depew, New York 14043

Schedule:

7:15AM-8:00AM – Breakfast and Registration

8:00AM-9:00 AM – Session 1 (1 PDH)

9:15 AM-10:15 AM – Session 2 (1 PDH)

10:15AM-10:45AM – Coffee Break

10:45 AM-11:45 AM – Session 3 (1 PDH)

11:45AM-1:30PM – Lunch & Lunch Speaker (1 PDH)

1:30PM-2:30PM – Session 4 (1 PDH)

2:40PM-3:40PM – Session 5 (1 PDH)

3:40PM-4:00PM – Soda Break

4:00PM-5:00PM – Session 6 (1 PDH)

Cost: TBD

Credits for Education (PDH): 7

Contact:

To be considered for a speaking slot, or to present, Please contact-

Larry Zamojski, P.E. 1st Vice President
lawrence.zamojski@hatch.com

716-689-3737 ext 2114

--or--

Muffett Mauche George, P.E. 2nd Vice President

mmauche@rochester.rr.com

Association for Bridge Construction and Design (ABCD of WNY)

Close-Up Bridge Inspection using Autonomous Drones

Date: January 25, 2018

Time: 12.00 Noon

Location: Burgundy Basin
1361 Marsh Road
Pittsford, NY 14534

Speaker Information: Tom Engel, PE of Automodality Inc.

Cost:

Members: \$25

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Non-Members: \$30
Students: \$15

PDH Credits: 1 PDH credit (pending)

Registration: Please RSVP by January 18th, 2018 to:

David Jenkinson
Email: djenkinson@popligroup.com
Phone: (585) 364-1634

IEEE- Institute of Electrical and Electronics Engineers, Buffalo Section

IEEE Buffalo Section Recognition Night

Date: February 01, 2018

Time: 6.00 PM

Location: Milo's Restaurant
5877 Main St,
Williamsville, NY 14221

Dinner selections: Filet mignon, Chicken
Frances, Mediterranean Pasta

Description: Please join us to honor the following people who have made a significant contribution to the IEEE Buffalo Section.

1. Jennifer L. Zirnheld PhD., Recipient of the Region 1 Award - Jennifer is a Past Chairman of our Section and received the Region 1 Award for "Outstanding Teaching in the Field of Electrical Engineering and Support for IEEE Mission".
2. Judith M. Moskal, Recipient of the Region 1 Award - Judy is a Past Chairman of our Section and received the Region 1 Award for "Leadership and Service to the Buffalo Section".

3. Senior Member Grade 2017 - Members who achieved Senior Member Grade in 2017
4. Buffalo Section Past Chairmen - Past Chairmen of the Buffalo Section in gratitude for your time and efforts on behalf of the IEEE Buffalo Section
5. Section Officers 2018 - Incoming Section Officers for 2018
6. Student Chapter Chairmen

Cost: Honorees No Charge

IEEE Members \$20, Life & Student Members \$15, Non-Members \$25

Reservations: by January 26, 2018 to Judy Moskal at 689-6689 jmoskal@ieee.org

Please honor your reservations The cost of no shows is borne by the Section