

Technical Societies Council of the Niagara Frontier
University at Buffalo,
412 Bonner Hall, Buffalo NY 14260

April 2018 Calendar

Date: April 02, 2018

Technical Societies Council Officers

President: Vikki Hirschey (BEAM)
Vice President: Padma Kasthurirangan (IEEE)
Treasurer: Frank Kizlik (AICHE)
Secretary: Jim Grace (ASQ)
TSC website – www.eng.buffalo.edu/tsc/
TSC Email – tscofniagarafontier@gmail.com

Calendar of Upcoming TSC Events & Meetings

- **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
- **Monday, September 10, 2018 at 6:00 PM:**
TSC Delegate's Meeting, UB @ Davis 208
- **Monday, November 12, 2018 at 6:00 PM**
TSC Delegate's Meeting, UB @ Davis 208
- **Monday, January 14, 2019 at 6:00 PM**
TSC Delegate's Meeting, UB @ Davis 208
- **Monday, March 11, 2019 at 6:00 PM**
TSC Delegate's Meeting, UB @ Davis 208
- **Thursday, March 14, 2019 (Pi Day)**
TSC Joint Meeting, Salvatore's

TSC Members

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

SWE

Society of Women Engineers

UBEASAA

UB Engineering & Applied Sciences Alumni Association

VINF

Vibration Institute, Niagara Frontier

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 fkizlik@roadrunner.com or 773-1652

Society can be linked to the TSC Website: www.eng.buffalo.edu/tsc

Annual TSC Joint Meeting 2018 Recap

[Thanks to all the members for attending](#)

[Special Thanks to Dr. Liesl Folks for a captivating talk!!](#)



Mark Your Calendar for next year's Joint Dinner for Pi Day, 2019 – Thursday March 14, 2019, 5: 30 – 9: 00 PM at Salvatore's Italian Gardens

Stay Tuned for more details!!

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Date: April 02, 2018

IES Buffalo - Illuminating Engineering Society of Buffalo New York

EMERGING PROFESSIONALS ROUNDUP

Date: April 04, 2018

Time: 5.30 PM – 8.00 PM

Location: Resurgence Brewery
1250 Niagara St.
Buffalo, NY 14213

Speaker: Phil Bonfante – ME Engineering

Contact: EP Chair, David Suriani
davesuriani@vertex-ny.com
7168800157

Cost: \$0.00

ASQ – American Society for Quality

Free Training – Lunch Time Webinars

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

APWA– American Public Works Association

NEW YORK CHAPTER APWA 2018 ANNUAL CONFERENCE

Date: April 11-13, 2018

Time: 4/11/2018 4:30 PM - 4/13/2018 12:00 AM

Location: Hyatt Regency Buffalo Hotel and Conference Center
Two Fountain Plaza
Buffalo, NY , 14202

Description: Our Western Branch of the APWA New York Chapter is pleased to host this year's conference. This year's event will provide you with the opportunity to network with colleagues, earn CEU/PDH credits and visit vendors that can support your Public Work's needs.

Speakers: Coming Soon

PDH Credits: 1 PDH Approved

| <u>Cost:</u> | <u>Before March 16</u> | <u>After March 16</u> |
|--------------|------------------------|-----------------------|
| Members: | \$250 | \$350 |
| Non-Members | \$350 | \$450 |

Award Ceremony Only: \$55 pp
Networking Event: \$50 pp (Includes Two Hours of Open Bar, Food, and Brewery Tour)
Bird Island Wastewater Treatment Plant (1 Hour) Tour: Free

Contact Person:

Jolie Murray,
Chapter Administrator, APWA NY Chapter
nys.apwa@gmail.com
(315) 368-7769

Registration & Other Details:

<http://newyork.apwa.net/EventDetails/13141>

American Society of Mechanical Engineers (ASME)

UB Engineering Career Mentor Roundtable

Date: Thursday April 12, 2018

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Date: April 02, 2018

Time: 5:00 pm to 8:00 pm

Location: UB North Campus, Student Union
215 - Flag Room

Program Description: Students, please join us for the Engineering Career Mentor Roundtable. The ASME Buffalo Section & Student Section host an Engineering Career Mentor Roundtable. This is a very simple and casual open dialogue event. Last session we had over 60 students attend, largest to date! We currently have 8 anticipated mentors to participate:

Eustace Mendez, NYPA, Principal Project Engineer
John Niblock, Glauber, VP Engineering, Packaged Systems
Daniel Snell, Mollenberg-Betz, Project Manager | QA-QC Manager
Dave Hornung, Retired, (past)
Mike Schwec, Derrick Corporation, CPI Engineering Manager
Geoff Chadwick, ATSI, Senior Staff Engineer
Steven Rakvica, ATSI, Director of Engineering and Operations
John Ziemann, Mollenberg-Betz, VP of Operations

Schedule: 5:00PM Introductions. (free Pizza / Beverages), 5:15PM Start Rotations, 7:45 – 8:00PM End Rotations

How does this work?

- Engineering Students (Mechanical, Electrical, Chemical, Industrial, Civil) form into groups, each mentor will have his/her own designated table. Each student group will spend up to 20 min with each manager and once the 20 min is up the students will simply rotate to the next manager. Each group of students will be able to speak and listen to every manager in the room.

Each mentor will inform students of the following:

- Describe career path from college to how you accomplished getting into your current engineering or management position.
- Describe the Industry or Industries they work in or interesting project assignments.
- Challenges, Successes and Failures they have had in career.
- What to expect in the workplace.
- Describe any internships or mentorships your companies offer to entry level students.
- General information they wish they had known when they entered the job market as an Entry Level Engineer.

Field Q&A from students. Open dialogue.

Cost: FREE

Registration: RSVP using our online form at the address below:

https://community.asme.org/buffalo_section/default.aspx/

Spearin and the Standard of Care: How Good Does a Design Have to Be?

Date: April 30, 2018

Time: Cocktails & Social Hour at 5:30 pm (cash bar); Dinner at 6:15 pm, presentation to follow

Location: The Irishman Pub & Eatery, 5601 Main St, Williamsville, NY 14221

Speaker Information:

Kevin O'Beirne, PE, FCSI, CCS, CCCA, Principal Engineer and Manager of Standard Construction Documents. Arcadis

Speaker Bio:

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Many construction projects result in allegations of insufficient design by the architect or engineer, or defective drawings and specifications, and the resulting finger-pointing and claims can be costly, stressful, and can ruin relationships. But just how good does a given design have to be to be consistent with applicable contractual provisions and applicable case law? The answers are found in the language of the owner-design professional agreement for professional services, and within an important concept called the Spearin Doctrine. This presentation will explain these concepts, discuss who decides when a design or its associated professional services are truly insufficient, and see how these principles were applied in two recent, notable court decisions.

UB Mechanical Engineering student poster competition winners will also be on hand to receive their awards and show their winning posters.

Credits for Education: 1 PDH

Dinner Choices: Grilled Pork Chop topped with apple chutney, cajun chicken, or blackened salmon finished with a lemon aioli. Dinner will include rolls & butter, seasonal salad, roasted red potatoes, coffee/tea, and ice cream desert. A cash bar will be available for other beverages.

Cost: ASME Members \$25, Non Members \$30, students \$10

Registration: Reservations due by Friday April 20. RSVP using our online form at the address below:

https://community.asme.org/buffalo_section/default.aspx/

American Council of Engineering Companies (ACEC of WNY)

General Discussion of NYSDOT programs and priorities

Date: Thursday, April 12, 2018

Time: 8:00 AM

Location: Chef's Restaurant
2425 Niagara Falls Blvd.
Amherst, NY 14228

Speaker Information: Wahid Albert, P.E. - Assistant Commissioner and Chief Engineer NYSDOT

Speaker Bio:

Wahid Albert is an Assistant Commissioner and Chief Engineer for the New York State Department of Transportation (NYSDOT). He is responsible for overseeing the design and construction of the Department's \$2.5 billion annual highway and bridge program, and assuring the safety of the over 17,000 publicly owned bridges in New York State.

Mr. Albert has been working for NYSDOT for more than 33 years, starting in 1984 as a Junior Engineer. Since then he has held several key positions from Supervisor of a Structures Design Unit, to Director of Structures Design and then Assistant Deputy Chief Engineer of Structures.

Wahid Albert has a bachelor's degree in Civil Engineering from the State University of New York at Buffalo.

He is a licensed Professional Engineer Registered in the State of New York.

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

Credits for Education: 1 PDH

Registration: ***Please register online using Signup Genius @

www.SignUpGenius.com/go/5080B49A9AC2CA6F94-acec5

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**Not Just for Regions - Nominate
Someone from Your Firm Today!**

The Recognition Awards Committee is soliciting applications for [New Principal of the Year and the Engineer of the Year](#).

The New Principal of the Year nominee must be a principal at a member firm less than 5 years. The Engineer of the Year nominee must be current or retired ACEC New York Member.

As a reminder, nominations are by FIRM and NOT by region. Help us reach our goal of a record number of applications this year!

The awards will be presented at the [Annual Meeting](#) on June 6, 2018.

Download the forms for [Engineer of the Year](#) and/or [New Principal of the Year](#). [Visit our website](#) for more information and to view [a list of past awardees](#).

Applications are due by April 13, 2018 and should be submitted to ACEC New York, 6 Airline Drive, Albany, NY 12205 or via email at amanda@acecny.org.

Questions? Call us at (518) 452-8611.

**ISA – International Society of
Automation**

2018 ISA Tech Expo and Seminars

Date: April 17, 2018

Time: 11:00 AM to 5:30 PM

Location:

Buffalo RiverWorks
359 Ganson St. – Buffalo, NY

Description:

New York State's Premier Trade Show for Automation Equipment, Technology Systems, and Process Control Instrumentation. This year, the ISA Tech Expo is moving downtown to the Buffalo Riverworks complex. Stop on by for a day of educational seminars, product exhibits, food, beverages, and networking. Discuss your next project with subject matter experts and seek out qualified vendors for the products you need.

Equipment on display will include valves, gauges, instrumentation, sensors, meters, analyzers, transmitters, and software solutions for process control, automation, robotics, pneumatics, hydraulics, and fluid power. Industries served include petrochemical, manufacturing, food & beverage, automotive, infrastructure, water & wastewater, oil & gas, power generation, and renewable energy.

Cost: Free

Registration & Other Details:

<http://www.bsfnw.net/isa-niagara/emails/ISA-Tech-Expo-2018.html>

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Buffalo Niagara
Section

TUESDAY, APRIL 17, 2018

New York State's Largest Trade Show
for Industrial Automation,
Technology & Process Control

PLEASE POST



MANUFACTURING • ENERGY • INFRASTRUCTURE • EDUCATION • & MORE!

ISA Tech EXPO 2018

BUFFALO RIVERWORKS
359 Ganson Street • Buffalo, NY 14203

Over 70 Vendor Booths & Technical Experts
11:00 am - 6:00 pm

Educational Seminars: 8:30 am - 2:00 pm

Register to Attend FREE at:
www.isa-niagara.org/tech-expo-2018

info@isa-niagara.org
www.isa-niagara.org/tech-expo-2018

Scan for Tech Expo Information!



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people that interact with MRP everyday know that something is very wrong. They may not be able to explain exactly why, but they know that if they did exactly what MRP told them to do, it would have disastrous consequences for their company and their career.

What if there was one fatal flaw in MRP that makes it distort the relevant information that planners, companies, and supply chains are desperately seeking? What if correcting this one fatal flaw would allow the promise of MRP to be attained and the bullwhip to be effectively mitigated? *Precisely Wrong: Why Conventional Planning Fails and How to Fix It* will expose this fatal flaw and trace its impact to everyday situations encountered by planners and buyers and the larger supply chain.

Additionally, an elegant solution to overcome this flaw will be revealed. Readers will walk away with a new depth of understanding about conventional planning systems and a list of things they can begin to implement the very next day. This work goes beyond the planning mechanisms of an organization and shows a roadmap for all levels to drive adaptation, protect and promote the flow of relevant information, and survive and thrive in the today's complex and volatile environment.

APICS Buffalo Chapter

Precisely Wrong – Why Conventional Planning Systems Fail and what to do about it

Date: April 18, 2018

Time: 5: 00 PM to 8: 15 PM

Location: TBD

Description: At the heart of most supply chains lies a planning tool called Material Requirements Planning (MRP). Invented in the 1950s, codified in the 1960s and commercialized in the 1970s, MRP became THE way of life for supply order generation and synchronization throughout the world. Yet the

Speaker: Carol Ptak

Speaker Bio: Carol Ptak is currently a partner with the Demand Driven Institute (www.demanddriveninstitute.com) and was most recently at Pacific Lutheran University as Visiting Professor and Distinguished Executive in Residence. Previously, she was vice president and global industry executive for manufacturing and distribution industries at PeopleSoft where she developed the concept of demand driven manufacturing (DDM). Ms. Ptak spent four years at IBM Corporation culminating in the position of global SMB segment executive.

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She holds an MBA from Rochester Institute of Technology and completed the EMPO program at Stanford University. Ms. Ptak is a frequent educator at the university level and presents at many key technical conferences around the world including South Africa, France, Israel, Australia, Ireland, the Netherlands and fourteen APICS International conferences. She is the author of numerous articles and the books Orlicky's Material Requirements Planning 3/E with Chad Smith, MRP and Beyond, ERP, Tools, Techniques and Applications for Integrating the Supply Chain, Theory H.O.W. with Harold Cavallaro, Necessary but not Sufficient with Dr. Eli Goldratt and Eli Schragenheim. Together with Dean Gilliam she updated Quantum Leap, originally written by John Constanza. Ms. Ptak has lent her name to the internationally coveted Ptak Prize for Supply Chain Excellence that is awarded annually by ISCEA (International Supply Chain Education Alliance.)

Registration and other details: TBD

Institute of Electrical and Electronics Engineers (IEEE) Buffalo Section

Metamaterials for Microwave Applications

Date: Thursday, April 19, 2018;

Time: 6:00 PM

Location: Davis Hall - Room 230A State University of New York at Buffalo Amherst, New York

Speaker Information: Dr. Jun (Brandon) Choi, PhD

Speaker Bio: Jun (Brandon) Choi received Ph.D. degrees in Electrical Engineering from the University of California at Los Angeles, Los Angeles, CA, USA, in 2014. He is currently an Assistant Professor with the Department of Electrical Engineering, University at Buffalo, The State University of New York, Buffalo, New York. From 2014 to 2017, he was an Assistant Professor with the Department of Electrical Engineering and Computer Science at Syracuse University, Syracuse, New York. His current research interests include planar antennas, frequency selective surfaces, and microwave devices based on CRLH, and metamaterial structures. Dr. Choi was a recipient of the 2017 AFOSR Young Investigator Award.

Event Description:

Recent research advances in passive and active metamaterials for microwave applications will be presented. First part of the talk will cover antennas and arrays based on 1D metamaterial also known as Composite Right/Left-Handed (CRLH) transmission lines. CRLH structures provide unique dispersion responses that can be systematically controlled. Such dispersion engineering technique allows the design of antenna elements or phased-array feed networks that support frequency-scanning over a wide spatial angle. This technology may eventually serve in enhancing next-generation radars and imaging sensor by alleviating ever increasing technological demand for higher spatial resolution, faster information acquisition speed, and smaller circuit dimensions. For the second half of this talk, passive and tunable low-profile 2D metamaterial (also known as metasurface) based on inverter layers will be presented.

Cost: Buffet dinner will be served on site: Chicken Francaise, Pasta Salad, Chef salad, dessert and beverages IEEE Members \$15, Life & Student Members \$10, Non Members \$20

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Reservations: by April 17, 2018 Judy Moskal
at 689-6689 jmmoskal@ieee.org

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

AWMA-NFS

Environ 5K

Date: April 21, 2018

Time: 10:30 AM

Location: Whirlpool State Park, Niagara Falls,
NY

Details: Please click here for the [Environ
webpage](#) for more information and to register.

UB Senior Project presentation

Date: April 26, 2018

Time: 5:30 PM – 9:00 PM

Location: Curly's Grill & Banquet Center
[647 Ridge Road](#)
[Lackawanna, NY 14218](#)

Description:

Social Hour at 5:30 pm
Buffet Dinner at 6:30 pm
Presentation after dinner

Cost: AWMA International member – \$20.00
AWMA-NFS local affiliate – \$25.00
AWMA-NFS Young Professional member (35
and under) – \$20.00
Full-time student w/valid ID – \$10.00
Non-member/Guest – \$30.00

Registration: <https://awmanfs.wildapricot.org/>

Other Upcoming Dinner Meetings

Thursday May 24, 2018

Association for Bridge Construction and Design (ABCD of WNY)

Annual Dinner Meeting & Bridge Awards

Date: May 17, 2018

Time: 5: 30 PM

Location: Red Osier Landmark Restaurant
6492 East Main Street Road (SR 5)
Stafford, NY 14143

Highlights:

Open bar & hors d'oeuvres @ 5:30 PM
Dinner @ 6:30 PM
2018 Bridge Award Presentations
Introduction of the 2018-2019 Officers and
Directors

Description:

The Association for Bridge Construction and
Design will hold our Annual May Dinner
Meeting at the Red Osier Landmark
Restaurant in Stafford, N.Y. All Members, Non-
Members, Potential New Members, Students
and Spouses are invited to attend the final
meeting of the 2017-2018 Season. After
dinner, the 2018 Bridge Design Awards will be
presented and the 2018-2019 Officers and
Directors will be introduced. This will be a very
enjoyable evening and we encourage everyone
to attend. We are accepting sponsorships
(\$100) for the event. Please see our website
for a sponsorship application or contact Mike
Davidson (see contact information below) for
details.

Cost:

Members: \$40.00
Non-Members \$50.00
Full Time Students: \$25.00
You may pay at door

Reservations:

Technical Societies Council of the Niagara Frontier
University at Buffalo,
412 Bonner Hall, Buffalo NY 14260

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Date: April 02, 2018

Please RSVP with one of the following dinner
entrée choices:

- 10 oz. Prime Rib of Beef
- Chicken Almond
- Baked Salmon
- Vegetarian Lasagna

by May 9th to: Mike Davidson

Email: mdavidson@jmdavidsoneng.com

Phone: (716) 289-5976
