

February 2015 Calendar

Date: February 3, 2015

Technical Societies Council Officers

President: Art McKinnon (BEAM)

Vice President: Al Ker (ASME)

Treasurer: Frank Kizlik (AIChE)

Secretary: Jim Schraven (ASQ)

TSC website – www.eng.buffalo.edu/tsc/

Calendar of Upcoming TSC Activities:

- **Monday, March 9, 2015 at 6:00 PM:**
TSC Delegate's Meeting, UB @ Davis 208
- **Wednesday, March 18, 2015 at 6:00 PM**
TSC Joint Meeting
All members of all Societies (Salvatore's)
- **Monday, May 11, 2015 at 6:00 PM:**
TSC Delegate's Meeting, UB @ Davis 208

TSC Members

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

IEEE WNY Consultants Network Meeting

Topic: Monthly Social for Networking ("Your net worth is your Network")

Date: February 9th 2015

Time: 6:30 PM

Location: Pairings Restaurant
5893 Main Street
Williamsville, NY 14221.

Speaker Information: Murray Tate, EHS Consultant at Occupational Safety and Environmental Assoc.

Cost: None, wine and food available from the menu at attendees cost

Credits for Education: (if applicable) none

Contact for reservations:

VonHeckler@aol.com

CSI Buffalo/WNY

Topic : Sound Attenuation

Date: Thursday, February 12, 2015

Time: 12:00pm

Location: Ramada Hotel/Conference Center
2402 North Forest Road
Getzville, NY 14068

Speaker Information: Rob Fohl, Fohl Sales on behalf of Homasote

Cost: CSI members-Free
\$10 for non-members

Credits for Education: 1 AIA CEU/HSW

Contact for reservations:

dpezzimenti@conexbuff.com

ASHRAE Niagara Frontier Chapter

Topic: Modular HVAC Systems

Date: Tuesday, February 17, 2015

Time: 12:00PM, Registration begins 11:45 AM

Location: Protocol Restaurant
6766 Transit Road
Williamsville, NY 14221

Speaker: Kevin Siemens, Systecon, Inc.

Cost: \$30 for Members, \$35 for Non-Members

Credits for Education: Pending 1 PDH

Contact for reservations:

ASHRAE.NiagaraFrontier@gmail.com

Buffalo Association of Professional Geologists

Topic: Hydrogeologic Modeling and the Development of Preliminary Remediation Goals for the Guterl Specialty Steel Site, New York

Date: Wednesday, February 18, 2015

Time: 5:30 social hour, 6:30 dinner, speaker to follow

Location: Orazio's 9415 Main St Clarence NY

Speaker Information: Bill Frederick has 24 years of hydrogeologic experience in porous and fractured rock terrains. He is a licensed professional geologist in Pennsylvania and graduate of SUNY Binghamton and Buffalo. Bill works for the US Army Corps of Engineers in Buffalo, where he performs groundwater characterization, geochemical analyses, numerical modeling, and remedial design for several Federal agencies and local stakeholders. He and his wife have three kids, who live in East Aurora.

Cost:

	Early	Late
Members	\$25	\$30
Non-Members	\$30	\$35
Students	\$15	\$20

Contact for reservations: visit website: BAPG.org and click EVENTS or email the vice president

American Society for Quality

Topic: Football Analytics

Summary: The use of analytics in the sporting world has increased dramatically over the past decade. We will discuss some of the ways that the football world has used analytics to improve performance on and off the field. We will cover a couple of examples of how teams may be using analytics in the football department, as well as on the business side.

Date: Thursday, February 19, 2015

Location: Millennium Hotel

Speaker Information: Michael Lyons

Bio: Michael Lyons is the Director of Analytics for the Buffalo Bills. This was a new position in the fall of 2014, empowered to collect and analyze data from both the business and sporting sides of the franchise in order to help optimize the team's decisions on everything from draft choices to fan experiences to improving individual player performance—all with the goal of building a championship team. After earning a BS in Electrical Engineering from MIT and an MBA from the University of Rochester's Simon School, Lyons spent 26 in information management at Xerox, prior to joining the Bills.

Cost : \$25 Member/\$30 Non-members
\$15 Student & Unemployed Members

Thursday, February 19, 2015
"Football Analytics"
Michael Lyons
Buffalo Bills

Location: Millennium Hotel

Networking	5:30 - 6:15 pm
Dinner	6:15 - 7:15 pm
Presentation	7:30 - 8:15 pm
Q & A	8:15 - 8:30 pm

\$25.00 Members / \$30.00 Non-Members
\$15.00 Student / Unemployed Members

ISA – Niagara Frontier

Topic: Automation 101

Location: Northeast Controls

6000 North Bailey Ave Amherst, NY 14226

Date: Monday, February 23rd, 2015

Time: 5:00 pm — 6:00 pm Registration,
Networking, & Light Dinner
6:00pm - 7:30pm Seminar Presentation

Speaker: Thomas R. Gilmartin, P.E.

Summary: This seminar is intended to be an introduction to those three topics. Basic Automation, Programmable Logic Controllers, and SCADA / HMI Systems

Cost:

\$25.00 Students, Veterans, and ISA members

\$35.00 for non-members

Prepay \$20 / \$30.

Registration/Pay: <http://www.isa-niagara.org/events/automation-101/>

Registration is requested by Feb 19th. Register at ISA website above, or call/email Joe Cipriani (716-440-3487; Joe.Cipriani@emerson.com) Limited to 30 people.

Credits for Education: 1.5 PDH upon request

IEEE WNY Consultants Network Meeting

Topic: Wine Appreciation Course Offering

Location:

Starpoint Public School System

2015 Spring Community Education Program

4363 Mapleton Road

Pendleton, New York 14094

Date: Feb. 24th through April 21st (Tues)

Time: 7:00 p.m. -- 8:00 p.m. for 8 weeks

Summary: Adult Education Course in Wine Appreciation. The course will facilitate the student's ability to appreciate that the same varietal grape from different regions, produces a different wine. Proving that, like in real estate, the three (3) most important aspects of wine are "Place, place and place."

Instructor: Michael J. VonHeckler holds a Diploma in Wines and Spirits (DWS) from the Wine and Spirits Education Trust in London, England. He is also an AWS Certified Wine

Judge and a Professional Wine Maker.

People often ask what your favorite wine is. Better question would be, which wines you **don't** prefer. Wine has the ability to show where it comes from. The French describe this as "terroir." Other wines are specifically blended to provide a consistent taste, thus destroying its ability to show where it comes from. Preferred wines, which show their place, are the subject of this course. Students are given the opportunity to compare and contrast wines that show where they come from and why different locations produce wines with different character. In addition on selected Monday's following Tuesday's class lecture, students will be able to meet with the instructor at a restaurant and learn how to navigate a liquor store; wine and food pairing; and a comparison of wines from around the world.

Course Fee: \$59.

Information: please contact Michael J.

VonHeckler at VonHeckler@aol.com or (716) 352-2750 or the School Web Site at:

<http://www.starpointcsd.org/community.cfm?subpage=20112> **Click on: 2015 Fall Community Education Brochure**

Air & Waste Management Association, Niagara Frontier Section

Topic: EPA's Proposed GHG Regulations on the Power Sector-What this means for us in NY

Date: Thursday, February 26, 2015

Time: 5:30 pm Social Hour/Cash Bar
6:30 pm Dinner Buffet

Location: Curly's Grill & Banquet Center
647 Ridge Road, Lackawanna, NY 14218

Cost: \$20 Intl. Members and YP

\$25 Local Members

\$30 Non-Members,

\$10 Students (w/ id)

Credits for Education: 1 PDH credit pending (\$10 extra)

Contact for Reservation:

www.awmanfs.wildapricot.org, Mark Hans
@ 716-860-0570 or
awmanfsreservations@gmail.com

ACEC, ASCE, APWA & ITE

Topic: Engineers Month Joint Meeting

Date: Thursday, Feb 26th, 2015

Time: 11:30 am

Location: Classics' V Banquet &
Conference - 2425 Niagara Falls
Boulevard, Amherst, NY 14228

Speaker Information: Richard Marchione,
Deputy Chief Engineer of Structures
with the New York Department of
Transportation (NYSDOT) will be giving
a presentation titled "The State of New
York Bridges"

Cost: \$20 to ACEC/ASCE/APWA/ITE
Members \$25 for Non-members, \$10
for Students

Credits for Education: (if applicable)

Contact for reservations:

<http://www.signupgenius.com/go/10c0449abac28a2f49-acec>

ABCD of WNY

Topic: New N.Y. Bridge Project at Tappan Zee

Date: February 26, 2015

Time: Social 5:30 – 6:30 PM

Buffet Dinner 6:30 PM

Location: 2425 Niagara Falls Blvd.
Amherst, N.Y. 14228

Speaker Information: John Kowalski P.E.
Commercial Director New N.Y. Bridge Project

Cost: Members \$25 / Non-members \$30 /
Students \$15

Credits for Education: PDH Pending

Contact for reservations: Richard Kotecki
(716)432-8684 or rkotecki@roadrunner.com

Association, Niagara Frontier Section

Topic: Flexible Gripping Technology for Robots
and Agile Manufacturing Automation

Date: Friday, February 27, 2015

Time:

5:30 PM Registration

6:30 PM Dinner

7:15 PM Presentation of Chapter Awards

7:45 PM Speaker

Location: Grapevine Banquets
(formerly Hearthstone Manor)
1333 Dick Road

Depew, New York 14043

Speaker Information: John Amend, PhD.

John leads the technical team at Empire
Robotics. He is lead inventor on the company's
core patents and serves as Principal
Investigator on a number of the company's
research grants. John earned his Ph.D. and
M.S. degrees in mechanical engineering from
Hod Lipson's Creative Machines Lab at
Cornell University, where he was a National
Science Foundation Graduate Research
Fellow. John's graduate research advanced
robotic jamming grippers from initial concept to
publication in top robotics journals, receiving
coverage in over 200 popular news sources
including: TIME, Scientific American, MSNBC,
The Washington Post, Wired, NewScientist,
MIT Technology Review, and IEEE Spectrum.
John holds a B.S. degree in mechanical
engineering from the University at Buffalo and
has publications in robotic manipulation,
granular packing, learning algorithms, and
machine design.

Cost:

- Chapter members and their guest -
\$30.00 (chapter subsidized)
- NSPE (non-chapter) members and their
guest - \$40.00
- Student members - \$15.00
- Speaker, awardees and guest - Free
- All Others (Non-Members) - \$50.00

Credits for Education: (if applicable)

We expect the presentation to be approved for
1.0 PDH.

CSI Buffalo/WNY

Topic (or Tour): Reflective Roof Coatings

Date: March 12, 2015

Time: 12:00pm

Location: Ramada Hotel and Conference Center, 2402 North Forest Road, Getzville, NY 14068

Speaker Information: Bruce Werner, Sherwin-Williams for Uniflex

Cost: Free for CSI members; \$10 for non-members

Credits for Education: 1 AIA CEU/HSW/SD

Contact for reservations:

dpezzimenti@conexbuff.com

Erie-Niagara Chapter NYSSPE 2015 E-Week Seminar Series

Topic: The Engineer's Role in Safety and Health: Tales From the Trenches

Date: Friday, February 27, 2015

Time: 7:15AM to 5:00PM

Location: Grapevine Banquets (formerly Hearthstone Manor)
333 Dick Road
Depew, New York

Seven continuing education credits across four separate discipline tracks.

Register online at

www.erieniagarape.org/events

Cost:

NSPE Members (Any Chapter): \$99.00

Non-Members: \$239.00

Students (No PDHs): \$40.00

New Members: **Free**

Keynote Speaker:

Adele Abrams, Esq.

The Law Firm of Adele Abrams, PC

Erie-Niagara Chapter E-Week Award Banquet

Topic: Flexible Gripping Technology for Collaborative Robots and Agile Manufacturing Automation

Date: Friday, February 27, 2015

Place:

Grapevine Banquets
(formerly Hearthstone Manor)
333 Dick Road
Depew, New York

Speaker: John Amend, PhD.

Co-Founder, Empire Robotics, Inc.
UB Mechanical Engineering '08

Speaker Information: John's graduate research advanced robotic jamming grippers from initial concept to publication in top robotics journals, receiving coverage in over 200 popular news sources including: TIME, Scientific American, Wired, NewScientist, MIT Technology Review, and IEEE Spectrum. An Empire robot recently appeared on the Tonight Show starring Jimmy Fallon for a game of beer pong!

Registration: erieniagarape.org/events

Program:

5:30 PM Registration

6:30 PM Dinner

7:15 PM Presentation of Chapter Awards

7:45 PM Speaker

Meal Selection:

- Sirloin Steak
- Parmesan Panga (seafood)
- Chicken Marsala

All entrees are served with a house salad, mashed potato, fresh vegetable, warm rolls & butter, coffee / tea / soda
Dessert: Specialty cake

Cost:

- Chapter members and their guest - \$30.00
- NSPE (non-chapter) members and their guest - \$40.00
- Student members - \$15.00
- Speaker, awardees and guest - Free
- All Others (Non-Members) - \$50.00
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TSC Joint Dinner Meeting

Topic: EWI New York, The Buffalo Manufacturing Works, a part of the Buffalo Billion economic Development plan by Governor Cuomo

Date: **Wednesday, March 18, 2015**

Time: Cocktail social hour starts 5:30 pm
Cash Bar, Dinner at 6:30 pm

Location: Salvatore's Italian Gardens
6461 Transit Road, Depew, NY

Speaker Information: Stephen Levesque,
PMP, EWI New York Operations Manager

Cost: \$30 per person members
\$35 per person non-members/guests

Credits for Education: 1 PDH, pending

Contact for Reservations: Each individual society collects reservations for its group and calls them in with entrée selections no later than 3/13/15 to Frank Kizlik, TSC Treasurer, at 773-1652 or

fjkizlik@roadrunner.com; *slight adjustments* to above number can be made and called in no later than **3/16/15 (Final count deadline)**. Each organization will collect their own monies and provide a check (or cash) to the TSC treasurer on the night of the dinner. As a reminder, if member of more than one society of TSC, just reserve thru *one* please

Entree Choices: Chicken Parmigiana / Penne ala Roma / Poached Salmon / Prime Rib 10oz

UB Internship Program

University of Buffalo (UB) has many students who are eager to contribute to companies and further develop their academic and professional skills through internship experiences. In working with the WNY Chapter of the Association for Bridge Construction and Design, we wanted to provide you with some guidelines and deadlines for the internship hiring process.

Hiring for summer internships for School of Engineering and Applied Sciences students begins as early as September. Many employers post their openings, attend UB Career Services fall Tech/STEM Career Fair, and interview candidates on campus in the weeks following the fair.

For employers seeking Summer 2015 interns (December 2014 or later) we would suggest the following to maximize results:

- January 26: Deadline to post internship opportunities with UB Career Services (*First day of classes*)
 - Post your internship with UB Career Services' BullsEye online career office (www.buffalo.edu/career). (Your HR department may already have an account.)
 - To create a new account: On the employer section of UB Career Services' homepage, you will see a link to: Login to BullsEye. UB Career Services will receive your request and activate your account, generally within one business day.
 - Once you log in to BullsEye, simply go to the Create Job & Internship Postings link on the right sidebar of the main BullsEye page. Be sure to select Engineering Co-op/Intern in the Position Type.

- February 20: Deadline for students to apply.
 - You will have a choice of how you wish students to apply. The system can collect resumes/documents for your viewing at your convenience. Alternatively, applicants can be directed to your website or to apply via email. You will review applicants and contact them directly to arrange an interview.

February 2015 Calendar

Date: February 3, 2015

- March 6: Deadline to identify candidates to interview
- March 12: (Optional) – attend CareerFest All Majors Job & Internship Fair to identify additional candidates
- March 9 – April 3: Interview candidates (*Note Spring Break is March 16 – 21*)
 - You may choose to use the On-Campus Interviewing service as a way to interview multiple candidates efficiently. Complete the *Request On-Campus Interviewing* online form in BullsEye. You will be asked to include the internship posting information. Simply go to UB Career Services' BullsEye online career office (www.buffalo.edu/career) (Your HR department may already have an account). Once you log in to BullsEye, simply go to the *Request On-Campus Interviewing* link on the right sidebar of the main BullsEye page and then click on the *Request a Schedule* button to complete. You will be contacted by UB Career Services' Tina Argentieri (ta4@buffalo.edu or 716.645.4617) to confirm the date and have any questions answered.
- April 3: Deadline to select intern(s)

Please consider us a resource for helping you through the process:

- If you have questions about setting up your BullsEye account or about the On-Campus interviewing process, please contact Tina Argentieri (ta4@buffalo.edu or 716.645.4617).
- If you would like to discuss best practices with respect to formalizing an internship program, please contact Bob Orrange, Associate Director of UB Career Services (rorange@buffalo.edu or 716.645.4620).

- If you would like to discuss engineering student talent or connect with individual engineering departments and/or the experiential learning program, please contact Andrew Olewnik, SEAS Director of Experiential Learning Programs (olewnik@buffalo.edu or 716.645.2630).

Written by:

Andrew Olewnik, PhD Director of Experiential Learning Programs, School of Engineering and Applied Sciences
Bob Orrange, Associate Director, Career Services