

April 2016 Calendar

Date: April 9, 2016

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/

TSC 2015 – 2016 Meeting

- Monday, May 9, 2016 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	<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>
SME	<i>Society of American Military 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: 2015 - 2016

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

ASME Buffalo Section

Dinner Presentation on Turbomachinery Design Analysis

Date: **Tuesday April 19, 2016**

Time: 5:00 pm networking & cash bar, 6:00pm dinner

Location: Hotel Lafayette Courtyard Room, 391 Washington Street, Buffalo, NY 14203

Presentation Title: Computational Methods for Turbomachinery Design & Analysis

Event Description: This will be a 1.0 PDH program (approval pending) on numerical methods used in the design and analysis of turbomachinery with a focus on centrifugal compressors. The focus will be on the practical application of the tools and the results or deliverables that one can obtain from them. Comments will also be offered on the current ability of these tools to accurately predict component or compressor performance.

Presenter: James Sorokes, Principal Engineer Siemens (formerly Dresser-Rand)

Entree selections: Dinner will be a sit down meal, dinner selections: grilled stuffed pork chop; or breast of chicken with sausage sage stuffing topped with spinach & red pepper cream sauce; or blackened tilapia with herb and citrus butter. Dinners will include garden

April 2016 Calendar

Date: April 9, 2016

salad, warm garlic breadsticks, sautéed seasonal vegetables, potatoes or rice. A cash bar will be available for beverages.

Cost: \$25 members, \$30 non-members/guests

Credits for Education: 1 PDH (approval pending)

Contact for Reservations: RSVP by Friday April 15, 2016. Visit the ASME Buffalo web site for additional information and on-line registration:

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

AWMA - Air & Waste Management Association - Niagara Frontier Section

Topic: UB Senior Project

Topic: UB Senior Student Engineers

Date: **Thursday, April 21, 2016**

Time: 5:30 pm Social Hour/Cash Bar

6:30 pm Buffet Dinner and Presentation

Location: Ramada Hotel and Conference Center

2402 North Forest Road, Getzville, New York 14068

Cost: \$25 - International Members and YP

\$30 - Local Members

\$35 - Non-Members

\$10 - Full Time Students (w/valid ID)

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

Contact for reservations:

www.awmanfs.wildapricot.org, Mark Hans

@ 716-860-0570 or

amwanfsreservations@gmail.com

ASM – Upcoming Events

April 21, 2016: Student Night. Speaker Dr. Alan Duckham. "Precious Metals - Much more than Jewelry."

May 2016: Tour of North American Hoganas

June 2016: Golf Outing

American Society for Quality

MEMBERSHIP DINNER MEETING

PROGRAM (2015-2016) RSVP requested by 7:00 p.m. Monday prior to the meeting.

PROGRAM NOTES – Speakers are subject to change. Be sure to consult the ASQ website and email announcements for current program dates, speakers and topics. Unless otherwise stated in the program schedule, meeting start times and agenda are as follows:

MEETING AGENDA

Networking..... 5:30 - 6:15 p.m.

Dinner..... 6:15 - 7:15 p.m.

Presentation..... 7:30 - 8:15 p.m.

Q & A..... 8:15 - 8:30 p.m.

\$25.00 Members \$25.00 Non-members

\$15.00 Student/Unemployed members

\$15.00 Retired

Thurs., April 21st, 2016

"How to Deal in a Regulated Environment"

Matt Rigerman

Reichert Technologies

(Millennium Hotel)

Thurs., May 19th, 2016

"Why Lean and Six Sigma Fail"

Thom Marra

Marra & Associates, LLC

(Millennium Hotel)

Thurs., June 16th, 2016

Plant Tour or TBD

REGION 2 Councilor

Jorge L. Romeu ~ ASQ Director

Region II

jlromeu@verizon.net

(315) 476-8994

April 2016 Calendar

Date: April 9, 2016

You are invited to the following event:

AWMA – Upcoming Events

Organization: Air & Waste Management
Association - Niagara Frontier Section

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

April 21, 2016 - Tour at UB (tentative)

May 26, 2016 - Annual Scholarship and
Awards Banquet

AWMA - Air & Waste Management

Event: 26th Annual Environ 5K

Date: **Saturday, April 23, 2016**

Time: 10:30 AM start

Location: Whirlpool State Park
Niagara Falls, New York

Cost: Until April 20 –
\$22 for 18 years old and over
\$15 for under 18 years old
After April 20 –
\$27 for 18 years old and over
\$15 for under 18 years old

See website
(www.awmanfs.wildapricot.org), for
additional details and registration information.

Future Events: April 21, 2016 - Tour at UB
(tentative)

May 26, 2016 - Annual Scholarship and
Awards Banquet

**UB ENGINEERING AND
APPLIED SCIENCES SENIOR
DESIGN EXPO**

You are cordially invited to join us at the 2016
Senior Design Expo on May 6th in Davis Hall on
UB's North Campus. Students from multiple
departments will be presenting their senior design
projects from the past semester to faculty, students
and industry partners.

This experience represents a great opportunity for
students to present their final, major undergraduate
endeavor to an audience that can test their technical
thinking and communication. It is also a great way
for industry to explore potential for future
engagement with the senior design course.

**We kindly request that you RSVP by Friday,
April 22nd.** Feel free to forward this to your
colleagues. We will follow up with parking
information closer to the event.

Over 130 engineering projects will be presented.
The schedule for poster sessions is as follows:

Session I: ISE projects (12-1:30 PM)

Industrial Engineering projects involving industry
partners.

**Session II: BME-1 | CBE-1 | CSEE | MAE-1
projects (2-3:30 PM)**

A mix of industry-sponsored and self-defined
Biomedical, Chemical, Environmental and
Mechanical Engineering projects.

**Session III: BME-2 | CBE-2 | EE |
Interdisciplinary | MAE-2 (4-5:30 PM)**

A mix of industry-sponsored and self-defined
Biomedical, Chemical, Electrical, Interdisciplinary
(Civil + Mechanical) and Mechanical Engineering
projects.

April 2016 Calendar

Date: April 9, 2016

**ISA Tech Expo 2016
Technical Educational Program
Tuesday, April 12, 2016 at the Buffalo
Marriott Niagara**

**Energy Management and Best Practices
for Measuring Flow and BTU Metering of
HVAC and Utility Fluids**

8:30 - 9:45 AM

8:30 - 9:45 AM

Presenter: Scott Hunt – Flow Specialist,
Rosemount Inc.

Discover challenges, best practices, and opportunities for cost savings surrounding flow measurements of process fluids such as chilled water, hot water, steam, condensate, and compressed air. In addition to understanding measurement techniques, the participant will learn how to utilize measurements for fluid conservation and energy savings. Presenter: Scott Hunt – Flow Specialist, Rosemount Inc.

**Tank Vapor and Flame Control
Equipment**

10:00 - 11:15 AM

Presenter: Nick Marocchi - Eastern Regional Sales
Manger, The Protectoseal Company

Learn about the necessity and techniques for conserving product in liquid storage tanks, including tank blanketing systems, pressure/vacuum conservation vents, relief vents, and flame arresters. This presentation will also address flammable and hazardous liquid storage and protection from fire and explosion, including the difference between flame arrestors and detonation arrestors. Proper P/V vent sizing and the technology behind how proper sealing is achieved will also be discussed.

Flowmeters - How to Specify and Apply

11:30 - 12:45 PM

Presenter: Friedrich Purkert, System Development
Engineer, Praxair, Inc. (retired)

Details surrounding the basics of flow measurements will be addressed, including: fluid flow classifications, types of flow meters, installation considerations, flow metering instrumentation, and flow calculation programs. The presentation will cover such items as mass flow,

velocity, volumetric, inferential, pressure relationships, Bernoulli equation, Reynolds number, viscosity, vortex, ultrasonic, electromagnetic, coriolis, thermal mass, variable area, turbine, orifice, flow profiles, conditioning, ducts, weirs, channels, flow computers, controllers, differential transmitters, ANSYS, Flowmaster, Pipeflow, and ABZ Inc.

**Industrial Hose Selection, Installation,
and Troubleshooting**

1:00 - 2:15 PM

Presenter: Bryan Karre, Engineering and Assembly
Manager for Swagelok WNY

This presentation will address hose specification development, selection criteria, installation procedures, and preventative maintenance. The discussion will include techniques for maximizing hose performance and cycle life as well as methods for troubleshooting hose problems and hose preventative maintenance mapping.

Registration: visit www.isa-niagara.org/tech-expo-2016 or contact Joe Cipriani at 716-440-3487, joe.cipriani@emerson.com.

Cost: \$25.00 for members, students, seniors, and veterans; \$30.00 for non-members

1.5 PDH per seminar is available upon request.

**ISA Niagara Frontier
Section**

Attention:
**Western NY High School
Students**
Need help paying for college?

ISA-Niagara Frontier Educational Scholarships are awarded to High School students who demonstrate outstanding potential with plans to enter the fields of Engineering and Technology. ISA scholarships help cover tuition and related expenses.

To guarantee consideration, students are encouraged to complete and submit an application as soon as possible. The deadline for application submission is 31 March 2016.

For a copy of the application, go to www.isa-niagara.org.



ISA-Niagara Frontier Section
c/o Hands On Technical Training
435 Creekside Drive, Suite 4
Amherst NY 14150
716-833-1393

Setting the Standard for Automation™

April 2016 Calendar

Date: April 9, 2016

ABCD of WNY

Organization: ABCD of WNY

Event Annual May Meeting

Date: Thursday, May 19, 2016

Time: 5:30 PM start

Location: Red Osier Landmark Restaurant
Stafford, New York

Cost:

\$30 Members

\$35 Non-members

\$20 Full Time Students

Choice of Prime Rib of Beef, Fresh Chicken

Almond, Grilled Salmon or Vegetarian

Lasagna.

Contact Rick Kotecki at

rkotecki@roadrunner.com or (716) 432-8684

for reservations

Future Events: June 16, 2016 Annual

Scholarship Golf Tournament at Terry Hills in

Batavia, NY