

March 2015 Calendar

Date: March 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

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-<i>Buffalo</i>	<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>

IEEE - Institute of Electrical and Electronic Engineers

Topic: IEEE WNY Consultants Network Meeting ("Your net worth is your Network")

Date: **March 9th 2015**

Time: 6:30 PM

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

Speaker Information: The speaker will be Bill Knoche, Effective Communications and Sales Coach for over 37 years. Bill Knoche, will reveal His BIGGEST secret for driving your business sales through the roof ... and it's not what you think!

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 (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

TSC Joint Dinner Meeting

Topic: *The Collaborative Human-Robot Team, The New Work Force*

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 Ron Brown... See bio below.

Speaker Information

Competitive pressures drive industry to continuously innovate and develop new products and processes. Today, more than ever before, companies are integrating robots to help meet these challenges. Robot manufactures are relentlessly developing new robotic capabilities to meet the demand for innovation.

"The Collaborative Human-Robot" is one of the new class of robots that is just now coming out of the laboratory onto the factory floor. Until now robots required costly safety guarding to protect humans. The collaborative robot has no safety guarding but rather new technology to make it safe for humans to be in the same proximity as the robot. This allows humans to work alongside the robot as a team. In this team the robot would be assigned tasks that are tiresome or repetitive while the human would concentrate on tasks that require dexterity or ingenuity.

We will explore some of these new safety technologies and some of the current and potential applications of the Collaborative Human-Robot Team.

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 3/16/15 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

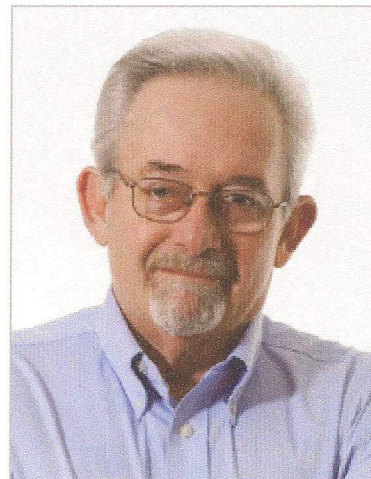
ASQ contact: asqbuffalo0201@gmail.com

ASM Contact: Stan Biernat.

sbiernat@moog.com. or Jayne Spanos
jayne.spanos@materion.com

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

TSC Joint Meeting Speaker



Ron Brown
Technology Leader,
Flexible Automation
& Controls

INDUSTRY FOCUS

Throughout his 39-year career in systems engineering, product engineering, and research and development, Ron Brown has played a significant role in a variety of successful industry initiatives. As EWI's Technology Leader of Flexible Automation and Controls, he focuses on delivering effective and innovative solutions for his clients' manufacturing automation challenges. His deep understanding of automation technologies is based upon his involvement and leadership in the engineering and integration of assembly and manufacturing automated systems for American automobile and consumer product manufactures.

TECHNICAL EXPERTISE AND PROJECT EXPERIENCE

Ron has extensive experience leading cross-functional teams with comprehensive responsibility for product concept, planning, cost, manufacturing, testing/validation, commercialization, and launch. Prior to his role as Technology Leader he served as EWI's

Business Development Manager for Automotive and Advanced Energy. Before joining EWI, he owned a consulting firm that specialized in engineering and product design for weld monitor products. Ron gained broad managerial experience earlier in his career through positions as VP of Engineering and General Manager for a manufacturer of weld process-monitoring systems, and as VP of Engineering, Research and Development for an automated systems original equipment manufacturer serving Fortune 500 companies

EDUCATION

A.S.M.E. Mechanical Engineering, Keene State College
B.S. I. E. Industrial Education, Keene State College

PATENTS

U.S. Patent 6,903,299, "Resistance Welding Tip Assembly"
U.S. Patent 6,573,470, "Weld Gun Heat Removal"
U.S. Patent 6,359,249, "No-Wat Welding System"

ABCD - Association for Bridge

Topic: Construction and Design, Western NY

Date: Wednesday, March 25, 2015

Time: 7:30 AM to 5:00 PM (Includes Lunch)

Topic: ABCD Spring Technical Seminar (final program to be announced)

Location: Clarion Hotel
8250 Park Road
Batavia, NY 14020

Speakers: Various speakers to be announced

Cost:

Members: \$100
Non-Members \$125
Full Time Students: \$35

Credits for Education: Anticipated 5 to 6 PDH's

Contact for Reservations:

Curt Krempa, PE
Nussbaumer & Clarke, Inc.
3556 Lake Shore Road, Suite 500
Buffalo, NY 14219-1494
716-827-8000

ckrempa@nussclarke.com

See www.abcdwny.org for additional information

Vibration institute, Niagara Frontier

Topic: 2015 Regional Vibration Institute Training Conference

Date: April 30 (Thurs) & May 01 (Friday)

Location: Peek'n Peak Resort Hotel
1405 Olde Road
Clymer, NY 14724
(716) 355-4141

Location Description: Peek'n Peak is an all-seasons resort located approximately 30 miles from Erie PA International Airport (ERI). Visit www.pknpk.com for more information about facilities & amenities of Peek'n Peak.

DAY #1

8:00 - 8:30 am Welcoming Address

David A. Corelli, President, The Vibration Institute

8:30 - 10:00 am Vibration Analysis of Induction, Synchronous & DC Electric Motors

Nelson Baxter, PE (ABM Technical Services)

10:30 - Noon High Frequency Data Acquisition & Analysis

David A. Corelli (PCB Piezotronics, Inc)

Noon - 1:00 pm Lunch (provided)

1:00 - 2:15pm Stories about Working with Art Crawford

Robert J. Sayer, PE (Applied Structural Dynamics)

"The Art of Troubleshooting" Video containing interviews with and captions of lectures & presentations by Art Crawford

2:45pm - 5:00pm Case Study Presentations

Field Balancing of Bowed Steam Turbine Rotor

Stanley Bognatz, PE (M&B Engineered Solutions)

Vibration Analysis of Multiple Pump Problems

Bob Morgenstern & Jay Marchi (ProPump Services)

DAY #2

8:00 - 10:00 am The Practical Application of Signal Processing
Nelson Baxter, PE (ABM Technical Services)

10:30 - Noon Vibration of Induction Motors
Operating with VFD Drives

Mikhail Tsympkin (Vibration Specialty Corporation)

Noon - 1:00 pm Lunch (provided)

1:00 - 3:00pm Case Study Presentations

Integrating ODS Models, Vibration Analysis & Lubrication Parameters to

Improve Rolling Mill Reliability

Bill Stan (Stan Engineering & Analysis)
Using Principals of Time Waveform, Frequency
Spectra & ODS Analysis to Solve a Fan Vibration
Problem Robert J. Sayer, PE (Applied Structural
Dynamics)

3:30pm - 5:00pm Vibration Analysis of Centrifugal
Fans

Robert J. Sayer, PE (Applied Structural Dynamics)
Attendees are responsible for making their own
room arrangements. A Special Room Rate of \$99 is
available for this training conference. Call Peek'n
Peak Reservations (716) 355-4141 and mention
the Vibration Institute when making your room
reservation.

CERTIFICATE OF ATTENDANCE:

A certificate for 16 PDH will be provided upon
completion of the training conference.

REGISTRATION: Register on-line @
<http://bit.ly/1BgoNRK>

or at Upcoming Events on the VI website
(www.vi-institute.org)

or Send registration form & payment to:

The Vibration Institute
2625 Butterfield Road, Suite 128N
Oak Brook, IL 60523

COST

Vibration Institute Members \$295

Case History Authors \$150

Non-Vibration Institute Members \$350

Faculty & Students \$100

**AWMA- Air & Waste Management
Association**

Topic: Erie County DEP Speakers Bureau
The Erie County Department of Environment
and Planning, as part of an enhanced outreach
effort, offers a variety of program presentations
for local organization meeting speakers. The
Department is making these presentations and
presenters available in order to increase
awareness of the County role in economic
development, local planning and the
environment. Topics include Brownfield
Redevelopment, Household Hazardous Waste,
Business Sustainability, Stormwater Pollution
Prevention and the Greenway Funding
Process The attached link connects you to the

Erie County Department of Environment and
Planning Speakers Bureau listing which
includes topics and staff contact information.
<http://www2.erie.gov/environment/index.php?q=speakers-bureau>

**VINF- Vibration Institute, Niagara
Frontier**

Course: Practical Aspects of ODS & Modal
Analysis Testing

Location: The Conference Center, Niagara
Falls, NY

Dates: April 27 - May 1, 2015 (Mon. - Fri. noon)
Aug 31 - Sept 4, 2015

Instructor: Tony DeMatteo, 4x Diagnostics,
LLC

Price: \$1700 Discount Hotel Rate

Special Hotel Rate Available!

Course Description:

This 4.5 day course teaches students how to
do ODS and Modal Analysis testing using
ME'scope software. After completing the
course you will be familiar with the use of
ME'scope software, the process involved in
ODS and Modal testing and the types of data
that must be collected. Each student will
complete several ODS & Modal projects during
the class.

Course Outline:

1. The decision making process – what goes into
planning ODS and Modal
testing.
2. Making ODS and Modal measurements (analyzer
specific information may be
available for your analyzer).
3. Using ME'scope software (drawing structures,
numbering points, importing
data, shape tables, animating the structure, curve
fitting).
4. Interpreting ODS and Modal Analysis results.
5. Documenting test results.

Join us in Niagara Falls, NY for Operational
Deflection

VINF- Vibration Institute, Niagara Frontier

Course: ME'scope VES Advanced Drawing Workshop Course Information:

Join us in Niagara Falls, NY for the ME'scope VES Advanced Drawing Workshop.

Course name: ME'scope VES Advanced Drawing Workshop

Location: The Conference Center, Niagara Falls, NY

Dates: **June 16 – June 19, 2015** (Tuesday – Friday noon)

Instructor: Tony DeMatteo, 4x Diagnostics, LLC

Price: \$1450

Special Hotel Rate Available!

Course Description:

This 3.5 day course will improve students ability to draw advanced structures using ME'scope software. After completing the course you will be familiar with ME'scope structure drawing techniques, tips, tools and animation methods. Each student will be working with examples from several real job case histories from a variety of different industries.

- Improve your ability to draw advanced structures in ME'scope software.
- Emphasis on ME'scope structure drawing techniques tips and tools.
- Working with examples from real job case histories from a variety of industries.

For a course flyer, registration form and additional information about Niagara Falls hotels and attractions visit

www.4xdiagnostics.com and click on the Training Tab or contact:

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