



"In the Public Interest"

# The 2016 Wisconsin Elevator Symposium Lake Geneva, WI October 13<sup>th</sup> – 14<sup>th</sup>, 2016



Join NAESA International and the Wisconsin Department of Safety and Professional Services for a 2-day educational symposium for inspectors, mechanics, consultants and others in the elevator industry. This will be the 12th Annual Wisconsin Symposium and the 5<sup>th</sup> hosted by NAESA. It's designed to fulfill continuing education requirements for both Certified QEI Inspectors and Wisconsin State inspectors and mechanics. Agenda TBD.

## RETURN COMPLETED REGISTRATION

**FORM TO:** NAESA International  
PO Box 4367  
Mankato, MN 56002  
Fax: 360-292-4973 or Email: [felicity@naesai.org](mailto:felicity@naesai.org)

### HOTEL INFORMATION

*The symposium will be held at the:*  
*Grand Geneva Resort*  
*7036 Grand Geneva Way*  
*Lake Geneva, WI 53147*

*The hotel boasts gorgeous scenery, restaurant and bar, fitness center, horseback riding, golf course, skiing, and more! During the Halloween holiday season, enjoy a hay ride or find your way through the corn maze. Fun for the whole family!*

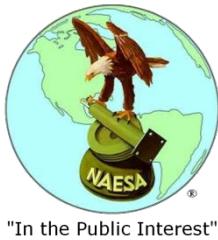
*Room rates are \$138 +tax and fees per night. Reservations must be made by August 28, 2016. Call 855-833-5345 to make reservations or click on this link.*

<https://res.windsurfercrs.com/ibe/details.aspx?propertyid=13972&nights=1&checkin=10/12/2016&group=7642K7>

## 2016 WISCONSIN SYMPOSIUM REGISTRATION FORM

First Name:		Last Name:	
Address:		City:	State: Zip:
Phone:		Email:	
Employer:			
Cert # (if applicable):		Wisconsin ID # (if applicable):	
<b>REGISTRATION FEE: \$195</b> Includes all education sessions, exhibit hall access, breakfast and lunch on both days and 1 ticket to the Evening Reception.			
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Registration is also available at [www.naesai.org](http://www.naesai.org)



# Wisconsin Elevator Symposium

## Lake Geneva, WI

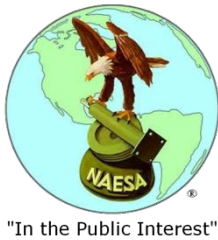
### October 13<sup>th</sup> & 14<sup>th</sup>, 2016



## AGENDA

Subject to Change

DATE	TIME	TOPIC	SPEAKER	ROOM
Thursday, Oct. 13 <sup>th</sup> , 2016  <b>0.75 CEUs</b>	6:30-7:30 am	BREAKFAST		Forum A
	7:00 am	Registration / Sign In		Forum A
	8:00 am	Welcome and Introduction	Bob Shepherd	Forum A
	8:15 am	Opening Remarks		Forum A
	8:30 am	TKE™ Twin Overview & Code Requirements from A17.7 <b>0.1 CEU</b>	John Stockstill & Marc Mueller	Forum A
	9:30 am	BREAK - EXHIBITS OPEN		Forum B & C
	10:00 am	TKE™ Twin Overview & Code Requirements from A17.7 <b>0.05 CEUs</b>	John Stockstill & Marc Mueller	Forum A
	10:30 am	Wisconsin Codes Updates <b>0.15 CEUs</b>	Brian Rausch	
	12:00-1:00 pm	LUNCH - EXHIBITS OPEN		Forum B & C
	1:00 pm	ASME - A17.5 Elevator and Escalator Electrical Equipment & UL-508A Standard for Safety Industrial Control Panels <b>0.2 CEUs</b>	Lenworth E. Grant & Daniel Posner	Forum A
	3:00 pm	BREAK - EXHIBITS OPEN		Forum B & C
	3:30 pm	Code Requirements for Fire Fighters Access Elevators/Occupant Evacuation Operation <b>0.1 CEU</b>	Charlie Slater	Forum A
	4:30 pm	A17.4 Guide for Emergency Personnel 2015 <b>0.05 CEUs</b>	Charlie Slater	Forum A
	5:00 pm	Otis E2/SkyRise™ Overview & PU Buffer - New Codes <b>0.1 CEU</b>	Bruce Horne	Forum A
	6:00 pm	EVENING RECEPTION – EXHIBITS OPEN		Forum B & C
Friday, Oct. 14 <sup>th</sup> , 2016  <b>0.55 CEUs</b>	6:30-7:30 am	BREAKFAST		Forum A
	7:00 am	Registration / Sign In		Forum A
	7:45 am	Opening Remarks	Bob Shepherd	Forum A
	8:00 am	The Field Employees Elevator Safety Handbook: Focus on Safety <b>0.1 CEU</b>	Kevin Heling	Forum A
	9:00 am	Update on Electronic Testing of Elevators --Current Tools Available and Practices with Code-related Discussion <b>0.1 CEU</b>	Kevin Heling	
	10:00 am	BREAK - EXHIBITS OPEN		Forum B & C
	10:30 am	A17.1 MCP with Wisconsin Items & SIL Review <b>0.15 CEUs</b>	Vince Robibero	Forum A
	12:00 – 1:00 pm	LUNCH - EXHIBITS OPEN		Forum B & C
	1:00 PM	National Electrical Code Overview and Updates <b>0.2 CEUs</b>	Joseph Donnelly	Forum A
	3:00 pm	Closing Remarks	Bob Shepherd	Forum A



# Wisconsin Elevator Symposium Lake Geneva, WI October 13<sup>th</sup> & 14<sup>th</sup>, 2016 **CONTINUING EDUCATION**



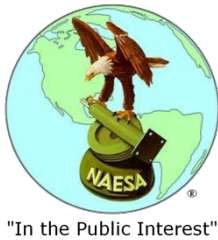
NAESA has approved each presentation for **0.1 CEU per hour** for inspectors QEI-certified by NAESA. A total of **1.3 CEUs (13 hours)** of continuing education credits is possible for individuals who attend the entire event. **ATTENDEES MUST SIGN IN/OUT AT THE REQUIRED TIMES TO RECEIVE CREDIT.** Attendees who are present for the entire duration will receive a certificate of completion at the end of the day on Friday. It will be assumed that attendees who do not sign in/out were not present for the entire event and will not receive full credit. Adjusted certificates will be emailed within three weeks following the symposium.

The State of Wisconsin has approved Day 1 for 7.5 hours and Day 2 for 5.5 hours for state inspectors. You must be present both days to receive full credit for the State of Wisconsin. **PLEASE BE SURE YOUR WISCONSIN LICENSE NUMBER IS LISTED CORRECTLY ON THE SIGN IN SHEETS FOR REPORTING PURPOSES.**

Approved by NAEC for 12.25 for CET, 3.5 for CAT and 1.0 for Safety.

Approved by QEITF for 1.3 CEUs (13 hours).

If you have any questions, please email [felicity@naesai.org](mailto:felicity@naesai.org) or call 360-292-4968.



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## PRESENTATIONS AND SPEAKER BIOS

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### Host – Bob Shepherd



Bob will go over recent changes and future plans for NAESA as well as introduce the speakers.

*Bob is currently the Executive Director of NAESA International. He entered the elevator industry as a helper in 1973 and was employed by Otis Elevator in 1982. Most recently, he was the Manager of Field Methods Engineering. He is also a member of many ASME Committees.*

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### TKE Twin Overview, Code and Inspection Items by John Stockstill and Marc Mueller



Thyssenkrupp's Twin elevator is two cars sharing one shaft. Already in service around the world, the first TWIN will be built in Atlanta, Georgia at the Georgia Institute of Technology. Basic TWIN concepts will be introduced in addition to code issues and deviations.

*John Stockstill is currently an engineer and a member of the Codes and Standards team at ThyssenKrupp Elevator Manufacturing, in Germantown TN. He is a member of ASME code committees, including Emergency Ops, Hostway, QUI, Inspection, and a member of multiple task groups. In 1982 he joined the US Navy as an Electronics Technician. After 24 years he retired from the US Navy. John joined ThyssenKrupp in 2005 as a Field Engineer. He spent 10 years installing and troubleshooting, as well as modifying both traction and hydraulic systems with the ThyssenKrupp technicians of North and South Americas.*



*Marc Mueller works for thyssenkrupp as an engineer in the Codes and Standards Department, Germantown, TN. He is member of the TWIN, Occupant Evacuation Operation and MULTI design teams. In addition, Marc serves as Vice Chair of the ASME A17.5/CSA B44.1 Code Committee. Education: BS Electrical Engineering, BA Economics, Northwestern University, Masters Management of Technology, Vanderbilt University.*

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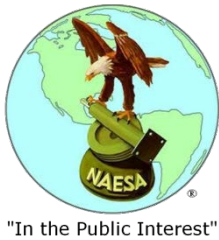
### Wisconsin Code Updates by Brian Rausch



State of Wisconsin will present from the DNR information regarding underground jack remediation and jack well hole abandoning. State of Wisconsin code rulemaking process from program supervisor Kim Schmitt. Brian Rausch presenting new code clarification Wisconsin documents. Discussion to include: Stairway chairlifts, allowances to install, requirements for licensing; elevator telephone past requirements; elevator/VPL telephone current performance requirements; brief reminder on MCPs; brief reminder on test tags and forms

*Brian is responsible for reviewing installation drawings for compliance with applicable codes and standards related to conveyances, and for review and approval of new products and systems for use in Wisconsin. He serves as an advisor to the Wisconsin Conveyance Code Councils. He provides code consultation and training to the elevator, building design and construction industries. Brian is a graduate of Milwaukee School of Engineering with a bachelor of Science degree in Architectural Engineering and is a Wisconsin licensed Professional Engineer. He holds state elevator and building inspector credentials and has been with the State of WI for over 19 years.*

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## **ASME - A17.5 Elevator and Escalator Electrical Equipment and UL - 508A Standard for Safety Industrial Control Panels by Lenworth Grant and Daniel Posner**



A mix of requirements within ASME A17.5 and UL 508A – Concentrating MOSTLY on UL 508A, on which the UL® controller certification is based. We will also have a discussion regarding the AECO process and how that interfaces with both standards.

*Lenworth (Len) Grant is a Senior Staff Engineer with Underwriters Laboratories (UL LLC) with over 30 years of experience. Len is a Distinguished Member of Technical Staff of the William Henry Merrill Society and currently works in the Factory Controls Segment with categories such as elevator systems (including elevator control panels), factory automation, industrial control panels, robotic systems, fire pump controllers, conveyor systems, etc. and is the Primary and Final Reviewer for over 40 categories. Len is the Program Manager for the AECO Category, responsible*

*for update or revisions to the AECO documents. As a trained Instructor for UL Knowledge Services, Len is certified to issue CE credits for presentations and seminars.*



*Daniel Posner is a Principal Engineer at Underwriters Laboratories' (UL LLC) in the Factory Controls Group (FCS). Mr. Posner is responsible for safety evaluations of software systems, functional safety systems, factory control products and machinery, and is the Principal Engineer for Elevator Systems and Robotic Systems at UL. Dan is knowledgeable with laboratory operating practices, and is involved with multiple standards and technical committees.*

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## **Code Requirements of Firefighters Access Elevators / Occupant Evacuation Operation by Charlie Slater**

Code requirements of Fire Fighters Access Elevators/ Occupant Evacuation Operation. This topic includes when they are required, which building code are impacted when FEO is present, and how to inspect FEO devices.



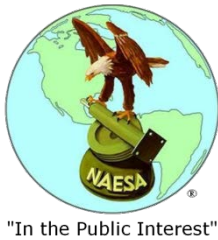
### **A17.4 Guide for Emergency Personnel 2015 Review by Charlie Slater**

The A17.4 Evacuation Guide has been totally revised and is now referred to as the Guide for Emergency Personnel (GFEP). Over the past several years the scope of the guide has expanded beyond the subject of passenger evacuation and included information regarding Firefighter's Service, and Emergency Power Operation. Mr. Turner will review the contents of the 2015 edition of the Guide for Emergency Personnel and provide sources of information to review the guide. Mr. Turner will also review current work by the A17.4 GFEP Committee and proposed future additions and revisions.

*Charlie Slater is currently working for ATIS Elevator. Previously he was the president of A-1 Elevator Inspections. He is a qualified elevator inspector and an instructor for NAESA International and is a member of the ASME A17 Inspections committee.*

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## **Otis E2/SkyRise Overview and PU Buffer – New Codes by Bruce Horne**



A presentation on Otis SkyRise Product that contains SIL rated software in accordance with ASME A17.1/CSA B44-2007 with the methodology for performing Category 1 & 5 testing. The Otis SkyBuild Construction Elevator that is in accordance with ASME A17.1/CSA B44 section 5.10 elevator used for construction.

*Over 25 years' experience in product development and design in the elevator and transportation industry, with a BS in Mechanical Engineering. Active member of the following organizations; ASME A17.1 Safety Code for Elevator and Escalators, National Elevator Industry, Inc. (NEii) and NAESA International. Responsible for ensuring all Otis North America products comply with all National and local codes. Accomplishments; Lead the development effort for Gen2 Underslung MRL, HydroFit MRL, Gen2 machine development Project Manager within Otis Worldwide Engineering, patents for quiet elevator machine design features. Mechanical Engineering Manager within the Otis Transit Systems for design & development of Automated People Movers, major projects include Cincinnati, Detroit, Minneapolis, Zurich Airports, J.P. Getty Museum and Huntsville Hospital.*

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## **Field Employees Safety Handbook – Focus on Safety AND Update on Electronic Testing of Elevators – Current Tools and Practices by Kevin Heling**



Elevator Industry Field Employees Safety Handbook – an overview and review:

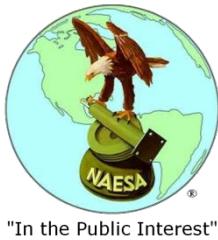
- Focus on safe practices and identifying hazards
- Importance of Safety; Special attention: installing, maintaining, servicing and modernizing elevators, detailing specific challenges
- Encourage participation by attendees with safety challenges they may have experienced
- Showcasing a variety of available and related safety products and tools – with additional discussion on safety incorporated into tooling

Elevator Load weighing, including measuring loads on elevator ropes and how that applies to existing and latest elevator codes:

- Current tools and equipment available: Advantages and disadvantages
- Code requirements: Relationship to the performance of traction elevators and how they correlate to the safety of the elevator riding public
- Overview of documentation required to assure code compliance and to verify testing completion by making required data available as prescribed by code to inspectors and the AHJ
- Update on progress of Category 5 Safety testing of elevators using an electronic method and tool system (aka Alternative Testing).

*Kevin Heling joined Wurtec Elevator Products and Services in September of 2012 and is responsible for Specialty Products and Business Development as well as new product introduction and support. Kevin has worked for elevator component suppliers and has actively supported the elevator industry for over 30 years. He has a Masters Degree from the University of Wisconsin. Wurtec has a special focus on installation and service tools and has Kevin very involved in technical products. Past experience for Kevin includes elevator ropes (governor, hoist and general traction applications), traveling and flexible/stationary cables and related electrical installation components, and interest in industry code requirements.*

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## **Schindler – A17.1 MCP with Wisconsin Items and SIL Review by Vince Robibero**

Review of ASME A17.1-2013/B44-13 changes to the maintenance control program, records, and on-site documentation. This overview covers the requirements on content, availability and location, retention, and format addressed in the code. Special WI provisions will be noted.



*Vince Robibero, Schindler. With over 25 years in the industry, Vince has been involved in all phases of elevator product design and development and has maintained a special interest in the field of reliability engineering carried over from prior work experience in the aerospace industry. He has several patents and has published several articles. He is an active member of numerous ANSI/ASME committees including the A17 Standards Committee. Vince earned a master's degree in Knowledge Management Information Systems at New York University, an MBA from Montclair State University in New Jersey and a bachelor's degree in Electrical Engineering from Manhattan College in New York.*

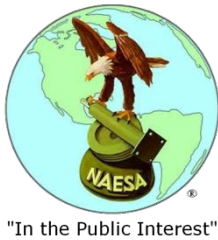
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## **National Electrical Code Overview and Updates by Joseph Donnelly**

NEC National Electrical Code Overview, latest revisions and rationale for changes to Part 620 with ASME A17.1 Electrical Committee current discussions and updates.



*Joe Donnelly graduated from Northwestern University in Evanston, IL with a BS in Electrical Engineering in 1979. He worked for various elevator companies until starting his own consulting business, Donnelly & Associates, in 1994 where he is currently the president. Joe is a certified elevator inspector and is involved in many organizations including ASME Committees and as an instructor for NAESA International.*



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## Lake Geneva, WI

October 13<sup>th</sup> – 14<sup>th</sup>, 2016



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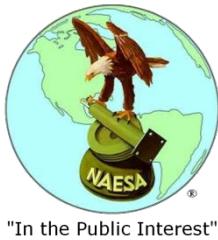
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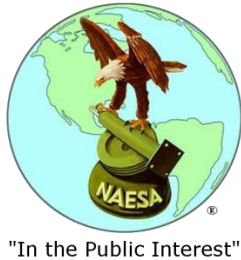
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## EXHIBITORS



Make sure to visit the exhibitor booths during the breaks!





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## EXHIBITOR CONTRACT

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INFORMATION		Cost	Qty	Total
Price includes 1 8ft table and 2 chairs. Breakfast, breaks and the Social Hour are included for 2 people. Exhibits will be open Thursday and Friday. PLEASE NOTE: Electrical power supply is not included. If required, please contact the hotel directly.		<b>\$550 USD</b>		
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*\*\*Attendee contact list available upon request*