

Education Highlights

Education – Monday, September 19, 2016

1:00 pm - 2:00pm

“Converting old VVVF Drives to New Drive Units”

Speaker: *Don Vollrath, Magnetek*

An explanation of why AC adjustable speed drives may need to be replaced. A review of what has changes in the industry since the original equipment was installed. What are the expectations of the customer. New drive characteristics that may affect existing motors. What data will be needed for a replacement installation. How to avoid he likely pitfall issues.

Speaker Bio:

Donald Vollrath is a Principal Engineer of the Elevator Drives group of Magnetek, Inc., Menomonee Falls, Wisconsin, a premier supplier of reliable motor controls. He is a BSEE graduate of the University of Illinois with more than 50 years of experience at Magnetek developing AC and DC motor drives and controls. For the last 35 years he has worked almost exclusively in designing and perfecting several generations of custom OEM and general-purpose drive equipment for elevators. Over the past eight years, Don has been sharing his expertise on elevator drive technology and energy efficiency as a frequent speaker at industry events and corporate trainer for Magnetek.

Education – Tuesday, September 20, 2016

1:30pm - 3:00pm

“A technical presentation on Testing Safeties without using weights: An Electronic method that covers all that is missed by current practice.”

Speaker: *Tim Ebeling, Henning GmbH & Co.*

This session presents the thesis that current elevator safeties inspections using test weights, currently done around the world, yield no clear statement. Presentation will substantiate this, not only physically, but also by presenting several examples. Mr. Ebeling and his company have developed an electronic testing method and system that evaluates the stopping force of installed safeties and does not require the use of test weight.

Speaker Bio:

Tim Ebeling has been employed since 2003 as head of development with Henning GmbH & Co. KG. In this capacity he has established the R&D center in Braunschweig (Germany). A team of employees is now working there on the development and production of electronic and measurement components for lifts.

Since 2012, the author is also managing director. One of his particular focal points is the measurement technology. Especially in this area the author looks back on many years of experience in the development of acceleration and rope load measuring systems. The author's professional goal is to enrich the elevator market with innovative elevator components and opposing the increased cost pressure in the elevator industry through the development of efficient sustainable and labor-saving components.

4:00pm – 5:00pm

“A17.1 – 2013 Code Update”

Speaker: *Richard Gregory, Vertex Corp.*

The presentation will be an update concerning 3 parts of ASME A17.1-2013. Occupant Evacuation Elevators = OEO. This a totally new operation that came out of many meetings that were held after 9/11. I was on the committee and attended meetings for years in Boston, where we always had attendance by Firefighters. Wind Turbine Tower Elevators. These are rather unique, and may or may not present a business opportunity for contractors, consultants and inspectors. Maintenance requirements. Specifically the updated requirements for a Maintenance Control Program (MCP) and maintenance records.

Speaker Bio:

Richard Gregory began in 1955 as an IUVEC helper. He earned BS & MS degrees from Illinois Institute of Technology. Project engineer of the B52 radar system and designed electronic counter-measures.

With his father, formed Gregory Elevator, which maintained and modernized elevators, with some construction, in 1964. President in 1966, and sold to Westinghouse in 1981. VP of Adams Elevator Equipment 1982 to 1997. Vice Chair A17 Standards Committee, Chair of MRR Vertex Corporation full time consulting, specifications and litigation support.

11:15am – 12:15pm - [Montreal Convention Center – Education Pav. 2 – Show Floor](#)

“Sealing Management for Hydraulic Cylinders”

Speaker: Tony Valdez, Gina Valdez, Wallace Wheeler, The Texacone Company

Focusing on the many elements that have a direct influence on the operation of seals and sealing components. Attendees will learn how to optimize seal performance.

Speaker Bios:

Tony Valdez has been involved in the sealing industry for 34 years. He is a member of numerous sealing organizations throughout the industry and brings that experience to Texacone as outside sales.

Gina W. Valdez, President, graduated as a Mechanical Engineer from Texas A & M University and received a MBA from the University of Dallas. She has served as a board member of the International Sealing Distribution Association and currently sits on the board for NAEC.

Wallace T. Wheeler, Vice President, graduated as an Engineer from Southern Methodist University and has obtained several patents for seal design and other product innovations. They have both served the industry for over 30 years.

1:00pm - 2:00pm - [Montreal Convention Center – Education Pav. 1 – Show Floor](#)

“Hydraulic Telescopic Jack Application & Service”

Speaker: Daryl Frith – Elevator Equipment Corp.

This course is designed to teach the participant to become more familiar with the application, design, troubleshooting and repair of hydraulic telescopic jacks. Participants will have an opportunity to comprehend the design of a hydraulic telescopic jack, understand the operation and application of a hydraulic telescopic jack and handle common troubleshooting issues associated with a hydraulic telescopic jack.

Speaker Bio:

Daryl Frith is the National Sales Manager for EECO and has been with the company for 20 years. He began his work in the elevator industry in 1993, after completing his studies at the University of Memphis. He has since been involved in sales, manufacturing, engineering, field training and installations.

1:30pm – 2:30pm

“Residential Elevators and the 3 x 5 Rule” - [Montreal Convention Center – Education Pav. 2 – Show Floor](#)

Speaker: Bill Richardson, Savaria

This presentation will cover a clear explanation of the change from the 3" and 5" rule to the new 3/4" and 4" rule, as published in ASME A17.1 2016. Attendees will understand the new deflection requirements and how to measure various door types to insure compliance of the new code.

Speaker Bio:

Bill Richardson is the Vice President of Product Development at Savaria. He is licensed Elevating Device Mechanic by Technical Standards and Safety Authority (TSSA) EDM-A. Richardson has over 30 years of experience in the lift and elevator industry and over 18 years as an owner/operator of sales, installation and service company. He has a degree in mechanical design and is a certified tool and die maker.

2:30pm – 3:30pm - [Montreal Convention Center – Education Pav. 1 – Show Floor](#)

“Electronic Valves”

Speaker: Billy Shrum IV, Maxton

This presentation will cover the benefits and differences of electronic valves vs. mechanical valves. Attendees will be educated on latest technology from Maxton and to explain the benefits of when to use an electronic valve.

Speaker Bio:

Mr. Shrum is the Technical Manager for Maxton Manufacturing Company. He is a third generation working for Maxton going on 14 years full time with the company. Elevators were ingrained in his life from day one from his father and grandfather. He has learned by doing nearly all jobs at Maxton from shipping to product assembly and testing. Today his duties have evolved to include R & D, technical support, product design, product training, and assisting with the IT department. In the last 6 years he has trained apprentices, mechanics, inspectors, consultants, NEIEP trainers and NAEC members on Maxton products.

2:45pm – 3:45pm - Montreal Convention Center – Education Pav. 2 – Show Floor

“Elevator Occupant Evacuation Operation (OEO)”

Speaker: Christopher Koenig, Otis Elevator Co.

This presentation will highlight the features and operation of the Occupant Evacuation Operation requirements found in ASME 17.1/CSA B44 Elevator Safety Code. Participants will become familiar with the new requirements.

Speaker Bio: Christopher Koenig is a Principal Engineer of the Otis Elevator Company. He has been employed by Otis Elevator of Bloomfield, CT for 26 years and has been involved in the design, manufacturing, testing, quality control and field installation phase of numerous Otis control systems for both modernization and new installations. He has also been a member of the ASME A17.1 Emergency Operations Committee, having just concluded a six year term as chairman on that committee.

3:45pm – 4:45pm - Montreal Convention Center – Education Pav. 1 – Show Floor

“A17.1/B44 Maintenance Control Program”

Speaker: John Koshak, Elevator Safety Solutions, LLC

This course focuses on the requirements in Section 8.6 of the A17.1/B44 Safety Code for Elevators and Escalators. It will explain the significant requirements and their effect on day to day business. Attendees will understand the key practices that must be incorporated into a company's program; commonly overlooked MCP provisions of the code; examples of significant non-conformances and their ramification and overall risk of non-compliance.

Speaker Bio: Mr. Koshak entered the elevator industry in 1980 in San Francisco, rising to adjuster in 1983 for Westinghouse Elevator, then for Dover, Montgomery, and Amtech Elevator Companies. In 1996 he patented and developed a plunger gripping safety device, known as the *LifeJacket*. From 1997 to 2001 he was Vice President of Technical Support for Adams. From 2001 to 2008 he was with ThyssenKrupp Elevator in a research and design capacity then the Director of Codes and Standards. In 2008 he went full time in his consulting firm, Elevator Safety Solutions, LLC. In 2016, he founded eMCP LLC to provide code compliant Maintenance Control Programs to Owners and Companies. He holds several US and foreign patents, has authored two books, a novel in 2006 (*The Pool Manager*) and a technical book on the Maintenance Control Program in 2010 (*Maintenance on New Equipment Designs*), and has authored two Certified Elevator Technician (CET) Courses; Course 7, Unit 13 *Construction Wiring and Equipment* and Course 8, Unit 14 *Hydraulic Theory and Installation*. He has authored over a dozen articles and five Continuing Education articles for Elevator World Magazine. He is approved as an instructor in several states providing code education for continuing education for mechanic licensing.

He is currently a member of the ASME A17 Standards Committee, Chairman of the Wind Turbine Elevator Committee, and member of several ASME, AWEA, CSA, UL, ISO, and ANSI Committees. He is a NAESA Certified Elevator Inspector, C2346. He is a proud member of International Association of Elevator Consultants (IAEC) and serves as the Southern Region Director. He was formerly a member of the NAEC Education Committee, Chairman of the NAEC Codes and Standards Committee and a former Chairman of the Elevator Escalator Safety Foundation. He is currently a member of the NAEC Board of Certification for the Certified Elevator Technician (CET) education program and Member of the Board of Directors for Elevator World Magazine.

11:00am – 12:00noon - [Montreal Convention Center – Education Pav. 1 – Show Floor](#)

“Use of False Cars for Rail Installation”

Speaker: Mark Drake, Wurtec

This presentation will provide attendees an overview on the procedure of the false care approach to installing rails with a focus on the features, benefits, and safety aspects of the methodology.

Speaker Bio:

Mark Drake has been an industrial sales engineer for over 30 years in various industries throughout the US, Canada, and Mexico. Mark started working with Wurtec eight years ago and began by servicing the OEM branch level and large independents in the US and Canada. He was responsible for specifying, selling, and providing field support for all Wurtec equipment. Recently Mark has taken on the responsibility as a sales engineer for all Major OEM's corporate headquarters, tooling centers, and Engineering facilities. This requires direct involvement with the OEM engineering, Installation, Mod and Safety groups to develop and design the items they require for the 21 century.

Prior to Wurtec Mark spent 20 plus years as a sales engineer for the Automotive Automation industry providing Sales, engineering, support and service for all major automotive manufactures in the US, Canada, Mexico and South America.