

# Education Highlights @ June 14, 2018

## Education – Tuesday, September 25, 2018

1:00pm-4:30pm (Session 1: 1:00-2:00, Session 2: 2:15-3:15, Session 3: 3:30-4:30)

### **Roundtables – Track 2**

**1. “Fall Protection and Lock Out Tag Out” 2 areas of concern within OSHA Focus 4” – NAEC Safety Committee**

The NAEC Safety Committee will discuss fall protection and lock out tag out for electrocution. For OSHA, focus 4 has been their prime concern. These areas are: Fall Protection, caught in Between, Lock out Tag out, and Struck By.

**2. “Home Elevators and Accessibility” – Patrick Edwards, EHLS Elevators & Lifts**

This roundtable discussion will compare the different enclosure, configuration and automation options available for home elevators intended to be accessible. Attendees will receive a detailed view of how home elevators can meet various accessibility requirements using applicable codes (ASME A17.1, Section 5.3 and ADAAG and ANSI A117.1). The presenter will provide attendees with a full disclosure perspective on home elevators with an eye towards accessibility.

Bio: **Patrick Edwards** achieved 32 years of elevator and lift industry experience in March 2017. His career began with The Cheney Company in 1985, followed by DME Access and Access Industries. In 1999, Patrick founded Integrity Elevators and Lifts and then transitioned to his current position in 2015 as Director of Elevator and Lift Solutions with EHLS Elevators and Lifts of Arlington Heights, IL. Patrick is a frequent presenter at NAEC and has served as the R/A committee chairman. He has served on a number of ASME and state code committees over the years and continues to do so. Patrick and his wife Jackie enjoy their family and always look forward to days spent at their condo in Bradenton Beach.

**3. “Encoder Position for Permanent Magnet Motors” – Tyler Pech, KEB America**

This presentation will outline the physics of a permanent magnet motor and why the VFD needs to know the motor rotor position in relation to a stator pole pair. Emphasis will be on how to identify and troubleshoot common problems associated with incorrect encoder position values.

Bio: **Tyler Pecha** is an Elevator Applications Engineer with KEB America, Inc. He has been with KEB since 2016 and attended the University of St. Thomas where he received his Bachelor of Science in Mechanical Engineering.

## Education – Wednesday, September 26, 2018

### **10:00 – 11:00 am - Atlantic City Convention Center - Pavilion 1**

**“ALP Elevator Wire Rope Seminar” – T. Bruce Mock, ALP Industries, Inc.**

This seminar covers the basics on elevator wire rope from nomenclature, inspection, criteria, care and troubleshooting. Attendees will be more informed on the usage of steel wire rope as a suspension means for traction elevators.

Bio: **T. Bruce Mock** joined ALP Industries in 1989, after working for a number of years for a chain manufacturer and another industrial distributor. Bruce is extensively involved in the elevator markets for Philadelphia, Baltimore and Washington DC. Bruce performed several hundred elevator wire rope inspections each year. Bruce has a Bachelor's Degree from Westminster College (PA).

### **11:15-12:15pm – Atlantic City Convention Center - Pavilion 1**

**“Private Residents Elevator – MRL Code Changes for 2019” – Bill Richardson, Savaria**

This presentation will review the to be released ASME A17.1 code in 2019. Mr. Richardson will discuss the modifications to section 5.3 that covers MRL elevators in private homes. Attendees will receive a thorough review and understanding of the new code language.

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.

**1:45-2:45 pm - Atlantic City Convention Center - Pavilion 1**

***“The Necessity for Oil Analysis and Oil Filtration in Hydraulic Elevators” – Michael Johnson, Gorman Company***

Did you know that 80% of the failures in an oil system are oil related? This presentation explains the root causes of many common maintenance problems and how monitoring 5 data points through standardized oil analysis tests the health of the hydraulic equipment can be observed. In most cases, the oil is contaminated, but is still chemically healthy. Offline filtration of contaminated oil prevents the disposal of healthy oil which protects the environment and reduces material and labor costs. Attendees will learn how to use oil analysis as part of an MCP to quantify what elevator maintenance means in a contract and understand Life Extension Models that provide the justification for regular analysis, maintenance and filtration of the oil.

Bio: **Michael Johnson** is Vice President of Sales at Gorman Company Inc., a Texas based manufacturer of low-friction and worm gear sealing devices, and principle of JFI Management, LLC, a distributor for CC Jensen filtration products and EnBio Industries. He has managed the Oil Analysis Department at Gorman for the past nine years and has conducted oil analysis and troubleshooting classes for various companies and elevator-industry groups. He is a graduate of Baylor University.

**3:00-4:00 pm - Atlantic City Convention Center - Pavilion 1**

***“Emergency Communication Technologies & Solutions” – John Pierce, Rath Microtech***

This session will discuss the different communication technology options and the solutions to allow for communication on them. The presenter will review the different ways these products meet code, while still being able to utilize these different communication providers. Attendees will be provided a basic understanding of the different communication options; the way elevator products can communicate and how to meet code requirements.

Bio: **John Pierce** is the Director of Sales for Rath Microtech, with over 16 years of experience. He is recognized by AIA as a provider of accredited Health, Safety, & Wellness continuing education credits. John is knowledgeable in Emergency Communications with a focus on Elevator, Area of Refuge, NurseCall, & other emergency communication systems.

**Education - Thursday, September 27, 2018**

**10:00 – 11:00 am - Atlantic City Convention Center - Pavilion 1**

***“Communications with ASME A17 Standards Committee” – Geraldine Burdeshaw, ASME***

This session will discuss the types of ways to communicate with A17 Standards Committee including proposal submittal and interpretations (questions on a17). Attendees will increase their knowledge on various ways to interact with ASME A17 Elevator and Escalator Committee.

Bio: **Geraldine Burdeshaw** joined the ASME Standards and Certification staff in 1991 and is currently serving as a Project Engineering Advisor. Ms. Burdeshaw is responsible for providing staff technical support to various standards development committees under the Safety Codes and Standards Department of ASME, which includes the A17 Elevator and Escalator Committee. For over the past 15 years, Ms. Burdeshaw has had the responsibility of providing technical and administrative support for the A17 Elevator and Escalator Standards Committee, subcommittees and its associated products, including the ASME A17.1/CSA B44, Safety Codes for Elevators and Escalators. Ms. Burdeshaw is a graduate with a B.S. in Mechanical Engineering from Cornell University.

**11:30am – 12:30pm - Atlantic City Convention Center - Pavilion 1**

***“RUST as Service Improvement” – Sanjay Kamani, Upvate***

Elevators have parts and processes that are exposed to the elements or geography. The presentation will examine how rust occurs, what are the steps that the installer and mechanics can take to prevent corrosion and inhibit rust propagation. This presentation will cover some best practices and process available to introduce Rust Prevention as an add on service to the standard full maintenance or modernization contract.

Bio: **Sanjay Kamani** is an entrepreneur in the Elevator Industry and owns and operates KPPropertyadvisors.com out of Richmond Virginia. His clients include significant portfolio owners in the Southeast region of the United States. In addition, he is co-founder of Upvate.com a compliance and inspections technology platform utilized by elevator and consulting companies around the USA. He brings 30 years of experience from Design, Consulting and Technology experience from the industry. His newest endeavor is to help the industry innovate around Rust inhibition and prevention.

**1:00-2:00pm - Atlantic City Convention Center - Pavilion 1**

***“The Use of Polymers in Elevators” – Bernd Nussdorfer, Laird Plastics***

This presentation will review code changes since the ASME A17.1-2010/CSA B44-10 code allowing polymer sheaves, Paragraph 2.24.2. Attendees will learn about mechanical benefits and value to both the installer and end user. The presenter will educate attendees on when and how polymers can be used as metal substitutes.

Bio: **Bern Nussdorfer** was born in Germany and studied at the University of Aachen, where he received a Master's degree in Nuclear Chemistry. Bernd has been in the plastics industry since 1988. He specializes in cast nylon materials with an emphasis on the elevator industry. Bernd's work throughout the years involved R&D work with various universities throughout the world. He has introduced new products and specifications in Europe and has influenced code changes within the United States. He has written a myriad of publications written for the crane and elevator industry.