

Education Highlights

Education – Tuesday, September 12, 2017

2:00pm-5:30pm

Session 1: 2:00pm-3:00pm, Session 2: 3:15pm-4:15pm, Session 3: 4:30pm-5:30pm

Roundtables – Track 2

1. “A18.1 Code Update and Changes” – Bill Richardson, Savaria

This presentation will review the ASME A18.1 Code Update and the latest changes. Attendees will understand the new requirements within in the 2017 code.

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. “Safety Compliance Templates and New Hire Safety Orientation Documents” – NAEC Safety Committee

This roundtable will review the various safety documents and templates available to NAEC Members. The NAEC Safety Committee developed six Safety Compliance Templates; Confined Space, Electrical, Fall Protection, Ladders, Lockout/Tagout and Personal Protective Equipment. Also available is the New Hire Safety Orientation Document with test. These resources will assist attendees in further developing their individual safety programs.

Education – Wednesday, September 13, 2017

10:00 – 11:00 am - Orange County Convention Center - Pavilion 1

Maximizing Rope Life in Today’s Hoistway

Speaker: Kevin Heling & Jacob Kuhn, Wurtec & Martin Rhiner, Brugg Lifting

This presentation focuses on improving rope life for demanding applications is an issue in our industry today. Rope life has become increasingly important as new elevator systems include features that can decrease rope life. Choosing the correct rope construction, using proper techniques, and having the right tools will have a positive impact on expected rope life. This presentation will explore the benefits of different rope construction including the use of high performance rope as well as the techniques and tools that can be used to equalize rope tension.

Bios: Kevin Heling joined Wurtec Elevator Products and Services in September of 2012, responsible for 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 28 years. Wurtec has a special focus on installation and service tools. Kevin has a strong interest in technically-based products. Past experience for Kevin includes elevator ropes (hoist/traction, governor and compensation applications), electrical cables and wiring (traveling and flexible/stationary cables) and related electrical installation components, as well as some interest in following and understanding industry code requirements. In the past 10 years Kevin has given product and training presentations at NAESA and NAEC functions and directly for elevator companies in the US, Canada and Mexico.

Jacob Kuhn has worked for Wurtec for the past four years and opened Wurtec Las Vegas in June of 2014 where he was branch manager for two years. In October of 2016 he moved to Miami to help open Wurtec’s newest branch that services the Southeastern Region of the US. Jacob then moved to Southern California at the first of the year to support the Wurtec Las Vegas branch as outside salesperson for the Western Region.

Martin Rhiner is vice president of Engineering and Quality for Brugg Lifting. For more than two decades he has focused on improving industrial product and processes quality standards. During his tenure with Brugg Lifting he has worked in Quality Management, Product Management, Manufacturing and R&D. Rhiner completed a four-year apprenticeship program in Switzerland and received certification as a toolmaker. He graduated with a BS in Mechanical Engineering from Brown Boveri (now ABB) and has since earned an MBA from Berry College in Rome, GA. While at Brugg Lifting he has served as principal coordinator and leader for the Brugg Rome Life Predictor online application. Rhiner is a current member of the American Society of Mechanical Engineers and a committee member of the Suspension Means Task Group.

10:00 – 11:00 am - Orange County Convention Center - Pavilion 2

“Roller Guide Components & Elevator Ride Quality”

Speaker: Ryan Peacock, ELSCO

In this session, attendees will receive a descriptive breakdown of roller guide components, their effects on ride quality, and proper roller guide installation. Participants will learn a General understanding of the components of a roller guide, how roller guide affect ride quality and how to properly install a roller guide.

Ryan Peacock is the Director of Engineering and Manufacturing for ELSCO (Elevator Safety Company, A Division of Hamilton Associates). He holds a Bachelor of Science Degree in Mechanical Engineering from The University of South Carolina and is a certified project manager through the Project Management Institute. Over the past 16 years Ryan has held a variety of engineering positions in the automotive, medical, and industrial product industries. His positions have included R&D Engineer, Test Engineer, Project Engineer, and Engineering Manager. Ryan's current responsibilities include the improvement of existing products, development of new products, implementation of major projects, and support of the ELSCO manufacturing process.

11:15-12:15pm – Orange County Convention Center - Pavilion 1

Retaining the Use of DC Elevator Machines

Speaker: Don Vollrath – Magnetek:

This session will discuss when and why retaining a DC machine make sense. How does the DC machine and new drive technology compare in efficiency to replacement by a new PM-AC unit. What verification steps should be taken before commitment and to ensure long term operating life and what pitfalls are out there during modernization of the motor controls?

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 48 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.

11:15 – 12:15 pm - Orange County Convention Center - Pavilion 2

“Changes in Fire Codes Related to Elevator Installation”

Speaker: Lee Rigby, Elevator Safety & Technical Services

This presentation will inform and update elevator personal to the requirements of Fire sprinklers and Automatic fire alarm initiating devices for elevator recall, updating to the 2016 addition of NFPA 13 and NFPA 72. Changes in ASME A17.1 regarding these devices and other fire systems as they relate to elevator installation will also be covered.

Bio: Lee Rigby has over 40 years in elevator industry including installation, repair, maintenance, sales, inspection, consulting, and expert witnessing. A former Engineer III for the Florida Bureau of Elevator Safety. Currently, he is President of Elevator Safety and Technical Services (ESTS). ESTS provides training for facilities personnel in elevator emergency operations and/or escalator startup, continuing education for licensed elevator technicians and QEI certified inspectors, and elevator expert witnessing services.

1:30-2:30 pm - Orange County Convention Center - Pavilion 1

“Control of Hazardous Energy”

Speaker: Keith Evans, Premier Elevator

This presentation will cover Lockout and Tagout and why equipment needs to be locked out. We will review the types of energy, the OSHA requirements for Lockout/Tagout, who is authorized and various steps to complete a Lockout/Tagout.

Bio: Keith Evans is the Corporate Safety Director for Premier Elevator. Keith has worked for Premier for 19 years. He started out as a modernization helper, then move into maintenance and ran a maintenance route for 12 years. He then moved to sales, including Repair sales and New Construction sales. Mr. Evan is an authorized OSHA trainer for OSHA Construction 10 and 30 hour classes.

1:30-2:30 pm - Orange County Convention Center - Pavilion 2

“Evaluating Risk & Liability Concerns in Elevator Help Phone Response”

Speaker: David Bryant, Kings III

The presentation will cover: risk and liabilities assumed via monitoring emergency help-phones in-house, risk and liabilities property owners and managers face with elevators on property, code requirements for two-way and emergency communications in A/R and Commercial Elevators; the proper way to test ADA phones in elevators. The participant will learn: What risks and liabilities elevator maintenance companies face when monitoring emergency calls in-house. Risk and liability concerns for elevator maintenance customers and how to alleviate them. How to properly test for the required ADA two-way communication; what the code says about two-way communication.

Bio: David Bryant serves as Vice President for Kings III Emergency Communications. Responsibilities include managing a team of professionals strategically placed throughout the U.S. to market the Kings III Emergency Communications solutions to customers. David outlines and implements the corporate strategy in regards to markets, pricing, and terms that are consistent with company and client goals. David joined Kings III in 2006 and has 25 years of experience in Telecommunications and Electronic Security/Life Safety industries holding positions in sales, operations, management, and a partner in a security company headquartered in Irving, TX. Mr. Bryant is married with three children, a Rotarian, and resides in the DFW area.

3:00-4:00 pm - Orange County Convention Center - Pavilion 2

“Inclined Platform Lifts & Vertical Platform Lifts”

Speaker: Patrick Edwards, EHLS Elevators & Lifts

This presentation will equip attendees to provide the difference between the IPL's and the VPL's. Customers often ask us to provide IPL's due to their lower comparative cost to a VPL, caused by construction costs. It is often a matter of doing the right thing vs. doing things right for the customer. The support information for this session will be primarily derived from the A18.1 and A117.1 Standards as well as real experience with customers using the equipment.

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.

Education - Thursday, September 14, 2017

10:00 – 11:00 am - Orange County Convention Center - Pavilion 1

“Confined Space”

Speaker: David Smarte, Delaware Elevator

This presentation will discuss the new requirements for identifying confined space in and around elevator pits.

Bio: David Smarte is an Experienced Elevator Professional with diverse proficiency in Elevator Inspections, Engineering, Adjusting, Operations, Project Management, Safety, and Training. He is an active member with Associated Building Contractors, member of National Association of Elevator Safety Authorities, National Professional Firefighter 3 and EMT-B, Maryland Fire Chief's Association (Past President), National Association of Elevator Contractors (Chair of Education and Technology Committee, and on Safety Committee), National Safety Council, OSHA Outreach Trainer, currently appointed to the State of Maryland Apprenticeship and Training Council.

11:30am – 12:30pm - Orange County Convention Center - Pavilion 1

“Mechanics guide to Safety inspections & How to Use ASME Code References”– Craig Jones, Country Home Elevator

This session will provide safe inspection procedures and better core knowledge of reference materials by review what happens at an inspection and how to safely perform inspections and use ASME inspectors guides as reference.

Bio: Craig Jones started in the elevator industry in '88 with American Stair Glide Corp of Grandview, MO, as a CAD operator and lift system designer. He became an Accessibility Consultant in '90 at the beginning of ADA movement and provides several seminars on ADA compliance as it relates to ANSI A17.1. As the owner of Country Home Elevator he has in depth experience in applying the Codes to real application every day. Jones has CET-S designation and is active in the CAT & CET training programs. He is a current serving on the NAEC Certification Board.

1:00-2:00pm - Orange County Convention Center - Pavilion 1

“Elevator Drives – Topology, Control and Troubleshooting”

Speakers: Tony Heiser, KEB America

This session will provide attendees an overview of AC drive power electronics topology including input, intermediate and output stages and tests for troubleshooting hardware failure and an overview on the design of AC motors and operation, including the similarities between and difference between induction and permanent magnet motors. The presenter will review the speed control models utilizing proportional and integral gains with practical examples of each term’s effect and the role of feed forward control.

Bio: Tony Heiser is the Business Development Manager for elevator applications at KEB America, Inc. in Shakopee, MN. He received a Bachelor’s of Electrical Engineering from the University of Minnesota, Minneapolis – Saint Paul.