NAESA International

"In the Public Interest"

2015 Western/Central Region Fall Workshop Sept.11-12, 2015

HYATT REGENCY DENVER

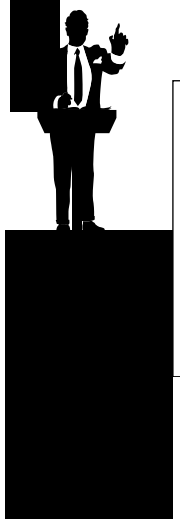
650 15th Street
Denver, CO 80202

Phone: 303-436-1234

RESERVATIONS:
Must be made directly with the hotel. You can make your reservations online or by calling the hotel directly. Room block good till August 20, 2015.

ROOM RATES:
Sept —$159.00 +tax per night
Mention you are with NAESA International to receive the group rate. Here is the link for reservations. https://resweb.passkey.com/go/naesairegionalworkshop

TRANSPORTATION:
Contact hotel.



AGENDA:

Know anyone interested in becoming a NAESA member or joining us at our meeting?

PASS THE WORD ALONG!

Contact us at 360-292-4968

REGISTRATION IS ALSO AVAILABLE ONLINE AT WWW.NAESAI.ORG

REGISTRATION FORM

Western/Central
REGION 2015 FALL WORKSHOP
Denver, CO
Sept 11-12, 2015

REGISTRATION INFORMATION	
Name:	
Address:	
City, State, Zip:	
Phone Number:	
Email:	
Employer:	
NAESA Member: YES NO *If no, would you like information on becoming a member?*	
QEI Certification # (if applicable):	
Name as you would like it to be printed on your name tag:	
Registration Fee is enclosed as follows:	
NAESA Member registering by Aug. 11, 2015	$80.00
NAESA Member registering after Aug. 11, 2015	$100.00
NON-Member registering by Aug. 11, 2015	$100.00
NON-Member registering after Aug. 11, 2015	$120.00
Total Registration Fees Enclosed	**$_____**

Check/MO Visa MC AmEx Discover

Card Number: _____

Expiration Date: _____ *CVV:* _____

*Billing Zip Code:*_____

Name: _____

Signature: _____

Make all checks and/or money orders (U.S. Funds) payable to: **NAESA International . *DO NOT SEND CASH.*** Send your registration forms and payment to:

NAESA International
PO Box 640
Rochester, WA 98579
Phone: 360-292-4968
Fax: 360-292-4973
Email: amy@naesai.org

2015 Western/Central Region Fall Workshop

Hyatt Regency, Denver, CO

September 11 & 12, 2015

Agenda

Friday 09/11/2015				
Class/instruction	**Speaker**	**Time**	**Hour**	**CEU's**
Registration	NA	07:30-07:50	NA	
Opening remarks	Chair/Host	07:50-08:00	NA	
Rack and Pinion/A10.4	**Kevin Harrison**	08:00-09:30	1.5	.15
Break	Buy 50/50	09:30-09:45		
Elevators and the National Electrical Code: NEC 620	**Randy Hunter**	09:45-11:45	2.0	.2
Lunch	On your own	11:45-12:45		
EESF	TBA	12:45-01:00		
Plunger Gripper	**John Koshak**	01:00- 3:00	2.0	.2
Break	Buy 50/50	03:00-03:15		
Step Skirt Index	**Greg Lorsback**	03:15-04:45	1.5	.15
CR Business Meeting	**CR Chair**	04:45-05:45		
Total CEUs for Friday September 11th, 2015=.7 CEUs (7 hours)				

Saturday 09/12/2015				
Class/instruction	**Speaker**	**Time**	**Hour**	**CEU's**
Scan/Opening	Chair	07:45-08:00	NA	
Wire Rope Inspection	**Martin Rhiner**	08:00-09:00	1.0	**.1**
State of Colorado Inspection and MCP Requirements	**Dave Harris**	9:00-10:00	1.0	**.1**
Break		10:00-10:15		
Alternate Testing	**Chris Dodd**	10:15-11:45	**1.5**	**.15**
Closing Remarks	Host/Officers	11:45-12:00		
WR Business Meeting	**Gary Barnes**	12:00- 01:00		
Total CEUs for Saturday September 12th, 2015=.35 CEUs (3.5 hours)				
TOTAL CEUS FOR BOTH DAYS OF FULL ATTENDANCE= 1.05 CEUS (10.5 HOURS)				

PLEASE NOTE:

Certificates will be issued based on the amount of time individuals were actually in attendance. If an individual arrives at a training session late or leaves a training session early, his/her certificate will be revised to reflect the actual number of hours the individual was in attendance. In addition, if an individual neglects to sign the attendance sheet at the required time and/or does not pick up his/her certificate at the end of the event, it will be presumed that the individual was not in attendance for the entire event and his/her certificate will be revised accordingly.

Rack and Pinion Elevators-Kevin M. Harrison

Time: 1.5 Hours

- Kevin M. Harrison is Vice President of the Equipment Division for McDonough Elevators. With thirty years of experience in the Rack and Pinion Industry with Hoist-Co Incorporated, he began his career as a technician / installer. In 1999 Kevin was named President with the responsibility of overall operations for the company. Through the acquisition of Hoist-Co Inc. in 2013, he now oversees the Equipment Division for McDonough Elevator. Active in the industry, Kevin holds the office of Secretary on the A17.1 – 4.1 & 5.7 working committee. He has held his QEI certification since 1997, is a Certified Elevator Technician and CET supervisor through NAEC. Kevin is currently certified as an elevator mechanic in multiple states.

Topic Outline:

1) Introduction
2) R & P Industry review
3) Definition of a R & P (4.1) elevator
4) Definition of S & P (5.7) elevator
5) Code Highlights for part 4.1 and 5.7 inspections.
6) Review of important differences in 4.1 and 5.7
7) The R & P safety device
8) Highlights of 8.1 related to R & P and S & P.
9) Discussion of the approved code changes in the 2016 code.
10) Review ANSI A10.4.

Elevators and the National Electrical Code: NEC 620-Randy Hunter

Time: 2 Hours

- **About Randy Hunter**: Randy Hunter works for Eaton's Bussmann. He holds twelve inspections certifications from IAEI, ICC and IAPMO. Randy worked for the City of Las Vegas for 17 years, the last 12 as Electrical Inspection Supervisor, he is IAEI Southwestern Section secretary, Southern Nevada IAEI Chapter president, a former principal member of CMP-6, currently serving as principal member of CMP-17. Voting member of UL 1563, Electric Spas, Equipment Assemblies, and Associated Equipment, is a member of IAPMO PCC and SRC committees. He served on several Southern Nevada local code committees and electrical licensing committees. He has been a master electrician since 1988, and prior to that he designed and built computed numerically controlled (CNC) machine tools.
- This presentation will cover the requirements for elevators from the National Electrical Code, specifically Article 620. The correlation between ASME/ANSI A17.1 and Article 620. The requirements for disconnecting means, fire alarm interface, the unique requirements for elevator selective coordination and the history of selective coordination. What our options are for proper code compliance. Some of the issues related to the field installations of the electrical systems and the elevator controls. The function of an elevator control module device to solve many of the issues of the different codes.

Plunger Gripper: John Koshak

Time: 2 Hours

- John Koshak, Elevator Safety Solutions. Explanation of code requirements for the design, plunger pressure maximums, application of forces, and testing of Plunger Grippers defined in A17.1. This will include the rationale for the selection of crushing forces codified and the inherent safety factors remaining in the plunger wall. Further explanation of the "Runby" relationship and determining what runby should be allowed to be reduced to in the application of a plunger gripper. The educational presentation will also include A17.1 requirements and A17.3 clauses and how these are enforced in various jurisdictions in North America. It will include actual examples of operation of the plunger gripper on failed pressure systems.

Bio

John entered the elevator industry through the IUEC Local 8 in 1980 in the San Francisco Bay area. In1996 he developed a plunger gripping safety device known as the LifeJacket and began work with ThyssenKrupp Elevator as a research engineer. He started his own consulting firm. He holds several US and foreign patents and has authored numerous articles and papers, including two published books, a novel, and a technical book on the MCP in 2010. He has authored two CET courses. Currently John is a member of the ASME A17 Standards Committee, certified elevator inspector, Vice Chairman for EESF and holds multiple memberships with industry organizations.

Performing the Step/Skirt Index Test: Gregory P. Lorsbach
Time: 2 Hours

- Gregory P. Lorsbach is President of Physical Measurement Technologies, Inc. (PMT), and has been involved with the elevator industry for approximately twenty years. As a geophysicist, his primary focus has been in the measurement and analysis of elevator/escalator vibration, sound, and ride quality. Greg is a member of the ISO TC/178/WG9 on the standardization of ride quality measurement and closely involved with the development of **ISO18738: Lifts (elevators) - Measurement of lift ride quality**. Greg is the also the creator of the EVA-625 Elevator Vibration Analysis system and EVA Vibration Analysis Tools software for the standardized measurement of ride quality, and the IMD-1 Escalator Step/Skirt Performance Index Measurement device.
- **Presentation Title/Description**: Greg will discuss the parameters and methodology for the measurement of the step/skirt performance index. Additionally he will discuss the meaning of the results and how to use those results to reduce the index magnitude.

Wire Rope Inspection: Martin Rhiner
Time: 1 Hour

- For over 20 years Martin Rhiner has worked with the Brugg Group of companies to improve industrial product and processes quality standards, while serving in such fields as Quality Management, Product Management, Manufacturing and Research and Development. A native of Switzerland, his first job in the US was as a Design and Manufacturing Engineer in the field of orthopedic implants. Martin completed a 4-year Swiss apprenticeship program in Switzerland and received certification as a toolmaker. He graduated with BS in Mechanical Engineering from Brown Boveri (now called ABB) and has since earned an MBA from Berry College (Rome, GA). Mr. Rhiner is currently employed as Vice President of Engineering and Quality for Brugg Wire Rope, LLC. In addition he also serves as principal trouble-shooter should clients (or non-clients) require in-depth help on-site in addressing particular elevator system concerns. Rhiner also spends many months on the road offering lectures, presentations and providing resource materials to elevator professionals on behalf of Brugg Wire Rope, LLC. Rhiner has been a frequent co-contributor to a number of Elevator World peer reviewed papers including: “Constructional Stretch and Hoist Rope Tension”. (July 2012);"Understanding Elevator Rope Performance, Endurance & Longevity" (April 2009); "Understanding Traction Hoist

Ropes in Today's Elevator Installations" (April 2008);"Elevator Hoisting: Maximizing Performance of Ropes in Existing and "Improved" High-Demand Installations" (July 2007). Most recently Rhiner has served as principle coordinator and leader for the Brugg RLP (Rope Life Predictor) online application. RLP is an online app that utilizes the formulas of Prof. Dr. Klaus Feyrer (University of Stuttgart) to create a user-friendly tool that helps professionals more efficiently and cost-effectively predict hoist rope life expectancy. Martin is a current member of the American Society of Mechanical Engineers (ASME) and a Committee member of the Suspension Means Task Group (SMTG). In addition, he has also been highly active in the Rome GA area Chamber of Commerce and has held several leadership positions.

State of Colorado Inspection and MCP Requirements: Dave Harris/Greg Johnson
Time: 1 Hour

- **Greg Johnson** Conveyance Program Manager for the State of Colorado. Greg Serves as the Public Safety Manager for all public safety programs under the Division of Oil and Public Safety to include the Conveyance, Boiler, Amusements and Explosive Programs. Greg wrote the initial Rules for the Conveyance Program in 2008 and continues to provide oversight of the program and its development.
- **David Harris** Conveyance Technical Specialist for the State of Colorado's Conveyance Program.David Harris as served in this position since 2010. David started his career as an entry level Building Inspector in 1994 after graduating with a degree in building inspection technology. David moved on with his career to become a Commercial Combination Inspector, Building Official, High Rise Construction Consultant and eventually a Certified Elevator Inspector with the State of Colorado.
- This presentation will provide a brief overview of Colorado's MCP requirements that became effective July 2013. Presentation will also include a quick review of the Inspectors Guidance Document.

Alternate Testing: Chris Dodds
Time:1.5 Hours

- Chris Dodds started in the elevator industry as an apprentice for an independent contractor. During his employment with that contractor, he received his CET-S, QEI, AWS, and OSHA 30 certificates. He held many positions within the company which included installation mechanic, adjuster, service mechanic, installation supervisor, and Director of Construction and Modernization. During the spring of 2014, he founded Liberty Elevator Experts which performs elevator inspections, consulting, and legal work servicing the east coast. He was also was hired by Wurtec to lead special a few products, development, and sales of those products.
- iii. Alternate testing
    1. As far as bullet point for code sections;
    2. A17.1 – Section 8.10
    3. A17.2 – Item 2.17
    4. A17.2 – Item 2.18
    5. A17.2 – Item 2.26
    6. A17.2 – Item 2.30
    7. A17.2 – Item 5.15