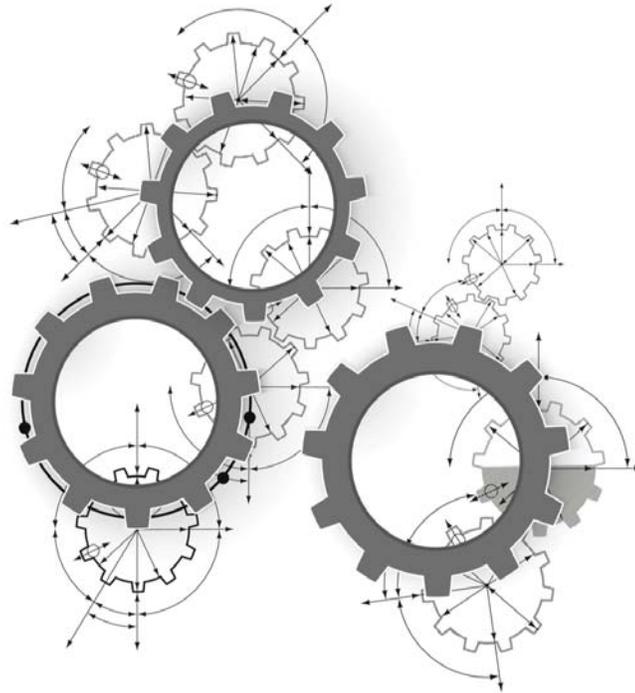


**SPRING 2021**

# **VIRTUAL EDUCATION & SAFETY PROGRAMS**

Committed to achieving excellence in the industry



**MECHANICAL  
CONTRACTORS  
ASSOCIATION**

## Letter from the Education Committee Chair

Dear Members,

We are pleased to present the Spring 2021 virtual education & safety offerings from the MCA of Eastern Missouri. Our goal is to deliver a broad range of courses from business management, field leadership, and computer technology to service and safety. The committee selected topics that address industry skillsets we feel will benefit you and your employees and help your business to be more competitive. There are several new courses, instructors, and programs this year, in which employees at all levels can take interest.

We encourage you to attend the webinars we've planned for the season. The schedule and course descriptions for this Fall are outlined on the following pages. You can also access the information on our website, [www.mca-emo.com/education](http://www.mca-emo.com/education).

Please feel free to contact me or the committee members with comments and ideas that will continue to improve our education program.

I am grateful for this opportunity to serve your companies.

Sincerely,

Greg Harrop

[gharrop@haberbergerinc.com](mailto:gharrop@haberbergerinc.com)

314-262-3064

Education Committee Chair

Our goal is to provide quality, in-demand programming that fits the needs of the mechanical contracting industry. Classes offered span a wide range of topics including field leadership, business management and computer technology, as well as safety, technical and service training.

## Officers

### President

Jeff Rush  
Icon Mechanical Engineers and  
Constructors, LLC

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Steve Haberberger, Sr.  
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## Education Committee

### Chair

Greg Harrop  
Haberberger, Inc.

Kevin O'Meara  
Integrated Facility Services

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## MCA Staff

Kristy Stephens  
Executive Director

Kim Slovacek  
Member Services

Carly Carmosino  
Program Manager

### Our Location

10825 Midwest Industrial Boulevard  
St. Louis, MO 63132.

The MCA EMO Training Center is conveniently located in Olivette, not far from Interstates 170 and 270.



\*Webinars offered online are presented using the Zoom or WebEx platforms.

### How to Register

Register online at <http://www.mca-emo.com/education/>. If you need assistance or have any questions about course offerings, please contact Carly Carmosino at [carly@mca-emo.com](mailto:carly@mca-emo.com) or by phone at (314) 571-6600.

### Course Fees

Education and Safety training courses are available at no cost to MCA Members and IBF Contributors unless otherwise specified. Partner Trade Organizations, Affiliated Organizations are invited to join classes at discounted prices listed on the registration page for each course.

### Cancellation Policy

The time our course instructors and staff dedicate to deliver high-quality programming is valuable. To help us plan accordingly and maintain our fiscal responsibilities, cancellations must be received at least 2 business days prior the start of an event. To cancel registration, please email Carly Carmosino at ([carly@mca-emo.com](mailto:carly@mca-emo.com)) or call (314) 571-6600.

Cancelling at least 2 business days in advance of a class ensures that MCA Contractor Members, Associate Members, and IBF Contributors will avoid a \$50 cancellation fee. Partner Trade Organizations, Affiliate Organizations, and public registrants will receive a full refund if cancelled within this timeframe.

REGISTER FOR CLASSES AT [WWW.MCA-EMO.COM/EDUCATION](http://WWW.MCA-EMO.COM/EDUCATION)  
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# Schedule at-a-Glance

SPRING 2021

+ Indicates Safety Training

\* Indicates Affiliate Alliance

January	Time	Course
12 & 13	2 – 4 PM	Excavation & Trenching +
13	9 AM – 12 PM	Knowing the Score: Understanding Impacts of Project Forecasting
14	10 – 11:30 AM	Change Order Bootcamp *
25 & 26	9 AM – 12:30 PM	Microsoft Excel 2016 for Business: Beginner
27	9 – 10 AM	Intro to Group Captive Insurance: Innovative Captive Strategies
28	10 AM – 12 PM	How Leaders Use Stories to Influence, Persuade, and Inspire *
<b>February</b>		
2 (Start date)	12:30 – 3:30 PM	OSHA 30 Hour +
4	9 – 10:30 AM	How to Deal with OSHA Effectively +
11	1 – 3 PM	Conceptual Estimating Techniques
18	9 – 10 AM	Remember Names to Build Better Professional Relationships*
<b>March</b>		
2	9 – 10:30 AM	Innovation: Transforming Ideas into Solutions
4	9 – 10 AM	Mitigating Risk: Understanding the Construction Claims Process*
16 & 17	2 – 4 PM	Qualified Rigger / Signaler +
18 & 19	9 AM – 12:30 PM	Microsoft Excel 2016 for Business: Intermediate
<b>April</b>		
6	9 – 10:30 AM	Leading Strong Teams
7 & 8	2 – 4 PM	ARC Flash NFPA 70E +
12 & 13	9 AM – 12:30 PM	Microsoft Excel 2016 for Business: Advanced
20 & 21	2 – 4 PM	Aerial Lift – Scissors +
27	8 – 11 AM	Effective Verbal & Written Communications for Service Professionals
<b>May</b>		
3	12 – 5:30 PM	Adult CPR, AED, and Basic First Aid +
4	9 – 10:30 AM	Disagree, Agreeably
11 & 12	2 – 4 PM	Aerial Lift – Booms +
19	10:30 AM – 12 PM	Bluebeam Customization*

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# Education Courses

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[Click Here to Skip to Safety Training](#)

## JANUARY

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### Knowing the Score: Understanding the Impact of Project Forecasting

**KATHRYN CROSBY**

**WEDNESDAY, JANUARY 13, 2021 / 9:00 AM – 12:00 PM**

Many contractors do not understand the serious implications of failing to monitor and forecast projects. Companies that do not produce project status reports and work-in-progress reports could be receiving erroneous financial information and may be making ill-advised business decisions based on that information. Better financial planning enables project staffs to maintain and run more profitable, less problem-prone, projects.

This course will address the following questions:

- How are monthly project status reports and work-in-progress reports produced?
- How should these reports be interpreted and what do they mean to the company?
- What are over- and under-billings and why is it critical to book them monthly?
- How do financial statements work and what do they mean?
- What do surety companies look for?

### Change Order Bootcamp

**TROY AICHELE**

**THURSDAY, JANUARY 14/ 10:00 – 11:30 AM**

Completing a change order correctly minimizes risk, improves the chances of approval, and helps contractors get paid faster. This webinar provides information on how to fill out a change form, key details to include, and pitfalls to avoid during the change order process.

This course will cover:

- The different types of changes that occur on a project
- Change Order management methods
- SOP's (Standard Operating Procedures) and Documentation
- Change Order risk management and notification strategies
- Change Order pricing methods (Lump Sum, T&M, and Forward Pricing)
- Types of Change Order impacts and productivity correction factors
- Sequential steps and best practices in identifying, pricing and selling Change Orders

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## **Intro to Group Captive Insurance: Innovative Captive Strategies**

**DAN REICHARDT, ACCOUNT EXECUTIVE**

**WEDNESDAY, JANUARY 27 / 9:00 – 10:00 AM**

This informational webinar will provide general information on Group Captive insurance companies.

Information covered:

- What is a group captive?
- Would your company be a good fit for a captive?
- How is the captive structured?
- What is the opportunity?
- What are the risks?

## **Microsoft Excel 2016 for Business: Beginner**

**CRIS HEFFERNAN**

**JANUARY 25 & 26 / 9:00 AM – 12:30 PM**

You will learn tips and tricks to navigate efficiently and create effective spreadsheets in one of Microsoft's most powerful programs. Learn to build basic formulas and functions with an emphasis on relative and absolute referencing. Learn to make your sheets and printouts easier to read with special formatting techniques. An important class for the beginner as well as for the self-taught Excel user.

## **How Leaders Use Stories to Influence, Persuade, and Inspire**

**IRA KORETSKY**

**THURSDAY, JANUARY 28 / 10:00 AM – 12:00 PM**

What if the right story inspired the right action from your team? What if the right story helped recruit that strategic hire? What if the right story helped close that big opportunity? What difference could that “right story” mean to you and your organization?

Through a lively and insightful online program, Ira will have you “thinking deliberately” about how you identify and communicate your personal and business stories to your teams, partners, prospects, and customers. Learn how to turn your experiences into stories that engage, persuade, and inspire. Follow a practical and easy-to-implement framework taught around the world. You will use the Great Stories™ Framework to start developing your leadership story, sales story, or recruiting story to help grow your company.

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## **Conceptual Estimating Techniques**

**KEITH RAHN**

**THURSDAY, FEBRUARY 11 / 1:00 – 3:00 PM**

In this unique business environment for Mechanical Contractors, the ability to work with clients in the early stages of the design process is important. Contractors that assist clients with budgeting and value engineering ideas will lead to more negotiated contracts for their company. Negotiated work for contractors is essential in this very competitive market. Mechanical Contractors need a strong understanding past project cost and their company's productivity on installation is critical in developing a conceptual estimate.

This course will focus on key aspects of putting together mechanical work budgets in the early stages in design, building a relationship with the client, securing the contract and providing owners with budgets during the construction of the project.

## **Remember Names to Build Professional Relationships**

**KATIE LANE**

**THURSDAY, FEBRUARY 18 / 9:00 – 10:00 AM**

Before a single word is spoken - in a split second - the decision to engage, trust, and buy is made. Every person who interacts with the client - sales, service technicians, estimators, installers, finance, or the CEO all share one common selling and customer service tool - Presence. Each employee's self-awareness and personal presence is a powerful silent selling skill, and it can make or break your sales campaign, service call, installation, future business, and the crucial online review.

Presence leads to sales. Presence is the active decision on HOW you want people to see you, respect you, and trust you. It's how you show up and engage people. It is essential to get this right. Your presence creates an indelible impression on others, and profoundly influences their very desire to engage, work with you, buy *you* and *from* you. It all happens in a split second. If you are present and can show up the right way, then potential customers will turn into repeat customers. It's that simple.

### **Innovation: Transforming Ideas into Solutions**

**KATIE LANE**

**TUESDAY, MARCH 2, 2021 / 9:00 AM – 10:30 AM**

Innovation is vital to a company's success and very survival. But sometimes, innovation is placed on the back burner while companies focus on optimizing processes and perfecting current products and services. Even when we implicitly recognize the importance of innovation, we can feel overwhelmed and unsure of where to start.

Process is as important in innovation as it is in every other part of a company. The Innovation Process moves people through the steps necessary to turn a vision into reality, and it can be applied anywhere innovation and improvement are needed. Having a defined process can also help us make proactive innovation a priority, so we're never scrambling to innovate reactively. After this workshop, you will be able to identify and encourage idea fluency and facilitate an Innovation Process that moves from ideas to solutions.

Participants will be able to:

- Become proactive instead of reactive to address changing business needs.
- Encourage idea fluency with others.
- Create a safe environment for the exchange and flow of ideas.
- Use the innovation process for problem solving and continuous improvement.

### **Mitigating Risk: Understanding the Construction Claims Process**

**TIM WENTZ**

**THURSDAY, MARCH 4, 2021 / 9:00 – 10:00 AM**

Claims have long been identified as one the most significant issues that face contractors, owners and architect/engineers alike. Invariably, claims create an adverse environment that often prevents long-term relationships, the foundation of a strong company. This presentation investigates the common causes of claims and then builds on that knowledge to generate common sense strategies to avoid claims and manage risk.

### **Microsoft Excel 2016 for Business: Intermediate**

**CRIS HEFFERNAN**

**MARCH 18 & 19 / 9:00 AM – 12:30 PM**

Build on previous knowledge and further your spreadsheet skills by creating more complex formulas using a variety of Functions. Learn techniques of data management and analyzing

data with lists, tables, common charts, pivot tables and pivot charts. Discover the ease of using range names and conditional formatting.

## APRIL

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### Leading Strong Teams

**KATIE LANE**

**TUESDAY, APRIL 6 / 9:00 – 10:30 AM**

Successful leaders seem to develop strong teams wherever they go, no matter what task their team is assigned. These effective leaders know how to make the most of the wide range of personalities, skills, and abilities on their teams, and they know how to create a competitive spirit that builds cooperation.

In this program, you'll consider the best way to harness the individual strengths of your team members and turn them into team strengths. You will analyze the unique challenges of leading a strong team and explore ways to handle the kinds of issues that arise when leading talented, committed individuals who are working together in a team effort.

Participants will be able to:

- Establish continuous improvement by building on the characteristics of strong teams.
- Capitalize on individual strengths to take teams to higher levels of performance.
- Facilitate the interaction of diverse personalities on strong teams.
- Leverage competitive spirit to gain cooperation.

### Microsoft Excel 2016 for Business: Advanced

**CRIS HEFFERNAN**

**APRIL 12 & 13 / 9:00 AM – 12:30 PM**

Continue to expand your Excel expertise as you manage multiple workbooks and worksheets, and build three-dimensional calculations and file linking. Explore the power of the all-important lookup functions and related concepts. Become adept at using formula auditing tools, data validation, and sharing and protecting workbooks. Also, explore the use of major data analysis tools, such as Scenario and Data tables. Create and edit macros to save time and create consistency across workbooks.

## Effective Verbal & Written Communication for Service Professionals

**LEAH GUTMANN**

**TUESDAY, APRIL 27 / 8:00 – 11:00 AM**

During this workshop, you will learn how to leverage your communication style to achieve goals and gain confidence in their day-to-day conversations. You'll also come away with tools to be more successful in all of your relationships. We will cover why it is critical to understand how others communicate and why it is important to be able to adapt to styles that offer a different perspective to the issue or topic at hand. By the end of the course, you will understand how to guide yourself and your team members through conflict so that the result is a better decision with buy in from all parties.

Participants will:

- Gain a clear understanding of communication styles and how your communication style affects how others interact with you.
- Learn how to adapt to other communication styles and use this knowledge to improve relationships with internal and external customers.
- Be able to gain better results through communicating effectively and with purpose.
- Know how to use effective communication skills to manage conflict in your day-to-day interactions.

\*This course includes a DISC assessment for each participant

**MAY**

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## Disagree, Agreeably

**KATIE LANE**

**TUESDAY, MAY 4 / 9:00 – 10:30 AM**

Disagreements are not only inevitable but a natural dynamic between people. Left unresolved, they can waste time and energy, and negatively impact productivity. For many, the normal reaction is to avoid disagreements to maintain a peaceful work environment. Yet we can gain so much from those with whom we disagree if we can learn to view these situations as learning opportunities, and deal with them in an agreeable and professional way. Research suggests that successfully resolving disagreements can result in greater mutual respect and a more positive relationship.

In this session, you will gain insights into your personality and reactions when dealing with differences of opinion surrounding your "hot buttons." You will learn to give others the benefit

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of the doubt and how to practice expressing yourself in a way that promotes acceptance, agreeable outcomes, and improved productivity.

Participants will be able to:

- Identify personal hot buttons and your role in disagreements.
- Give others the benefit of the doubt.
- Refine your ability to cushion messages for greater acceptance.
- Use evidence to eliminate doubt.
- Use the six rules for disagreeing agreeably.
- Apply a formula for contributing ideas and disagreeing in an agreeable way.

## **Bluebeam Customization**

**TROY DEGROOT**

**THURSDAY, MAY 19 / 10:30 AM – 12:00 PM**

Whether you're looking for increased productivity, predictability or simply company-wide software adoption; it's important to learn what's possible in order to maximize the value of your software implementations. In this course, we'll simply go through different phases of project lifecycles and learn what tools and workflows are available. Learners will leave this class with inspiration and next step action plans to improve your workflows.

Topics will include:

- Managing Revisions and Other Document Management Best Practices
- Design Review and Progress Tracking
- Volume Calculations and Other Measurement Tools
- Tips & Tricks and Other Customization Ideas

# Safety Training

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## Excavation & Trenching

**ERIC CALDWELL, GATEWAY SAFETY**

**JANUARY 12 & 13/ 2:00 – 4:00 PM**

The Excavation & Trenching course is designed to give attendees a basic overview of the mechanics of cave-ins, how to perform a soil analysis to classify soil, protection of workers, shoring, shielding, sloping, and special situations in the field, along with where to get additional resources and help. Covers regulatory information: OSHA 29 CFR 1926.650 - Subpart P

Other topics covered include:

- Excavation & trenching hazards
- soil analysis
- soil classification
- protection of workers
- shoring, shielding, sloping
- special situations
- competent persons
- mechanics of cave-ins
- atmospheric hazards
- OSHA regulations

## OSHA 30 Hour

**ERIC CALDWELL, GATEWAY SAFETY**

**EVERY TUES & WED / FEBRUARY 2 – MARCH 3 / 12:30 – 3:30 PM**

OSHA 30 is a comprehensive safety program designed for anyone involved in the construction industry. The program provides complete information on OSHA compliance issues.

Course topics include: Introduction to OSHA, Managing Safety and Health, Struck and Caught Hazards, Personal Protective Equipment (PPE), Hearing Conservation, Respiratory Protection, Lead and Crystalline Silica, Asbestos, GHS Hazard Communication, Electrical Safety, Hand and Power Tools, Fall Protection, Ladder Safety, Excavations, Scaffolds, Crane Safety, Heavy Equipment, Forklift Safety, Materials Handling, Permit-Required Confined Spaces, Fire Safety, Welding and Cutting, Concrete and Masonry, Steel Erection, and Ergonomics.

\* Participants must attend all ten sessions to receive their OSHA 30 card. Any make-up classes are at the participants' expense and can be scheduled privately with the instructor.

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## How to Deal with OSHA Effectively

**AARON DEAN**

**THURSDAY, FEBRUARY 4 / 9:00 – 10:30 AM**

Do you know how to respond when OSHA shows up to do an inspection on a job site? Or what to do if OSHA issues a safety citation?

Attorney Aaron Dean has defended general contractors and subcontractors in more than 100 OSHA cases, including multiple fatality cases, multiple injury cases, and scores of non-injury cases. Aaron's 20-year legal career spans all facets of the construction industry. Aaron will take you through best practices and scenarios on how to deal with OSHA.

## Qualified Rigger/Signal Person

**ERIC CALDWELL, GATEWAY SAFETY**

**MARCH 16 & 17 / 2:00 – 4:00 PM**

The instructor will cover regulatory requirements for qualified rigger and signal person qualification requirements of sub-part CC – Cranes and Derricks in Construction.

Qualified riggers are required wherever workers are within the fall zone and hooking, unhooking, guiding a load, or doing the initial connection a load to a component or structure.

Topics covered include: standards and regulations, qualification requirements, rigging and sling types, safe lifting practices, center of gravity, inspection and maintenance, standard hand signals, communication, and crane safety awareness.

## ARC Flash NFPA 70E

**ERIC CALDWELL, GATEWAY SAFETY**

**APRIL 7 & 8 / 2:00 – 4:00 PM**

Electrical hazards are the root of countless fatalities and injuries at work. That is why OSHA tapped the National Fire Protection Association to develop standards for electrical safety in the workplace. Paired with proper training, these standards save lives. Make sure your service techs have the up-to-date safety training they need to protect themselves. This course covers all applicable OSHA requirements, NFPA 70E provisions, best practices, and real-world accident information.

## Aerial Lift - Scissors

**ERIC CALDWELL, GATEWAY SAFETY**

**APRIL 20 & 21 / 2:00 – 4:00 PM**

Scissor lifts pose a potential hazard to employees because they are used to elevate employees to a work area above the ground. The hazards of operating an aerial scissor lift include electrocution hazards, fall hazards, tip-over hazards, collision hazards, falling object hazards and fire hazards.

This course will give the attendee the general training required for aerial scissor lifts safety. Additional training by a qualified person on the model of aerial platform or one having operating characteristics consistent with the one to be used during actual work site operation is required for controls familiarization. This course covers topics under OSHA 29 CFR 1926.453 Aerial Lifts, and the referenced ANSI standards.

## **Adult CPR, AED and Basic First Aid**

### **QUICKCARE OXYGEN SYSTEMS**

**MONDAY, MAY 3 / 12:00 – 5:30 PM**

Are you prepared if an emergency should strike? This hands-on course will provide you with the basic knowledge and skills necessary to provide effective basic life support in an emergency. As a first aid provider, you will also learn to perform assessments and interventions with minimal or no medical equipment. Specific topics include the recognition signs of sudden cardiac arrest (SCA), heart attack, stroke, foreign body airway obstruction (FBAO), cardiopulmonary resuscitation (CPR), control of bleeding and shock management. Upon completion, participants obtain a 2-year CPR certification card.

## **Aerial Lift - Booms**

**ERIC CALDWELL, GATEWAY SAFETY**

**MAY 11 & 12 / 2:00 – 4:00 PM**

Boom lifts pose a potential hazard to employees because they are used to elevate employees to a work area above the ground. The hazards of operating an aerial Boom lift include electrocution hazards, fall hazards, tip-over hazards, collision hazards, falling object hazards and fire hazards. This course will give the attendee the general training required for aerial Boom lifts safety. Additional training by a qualified person on the model of aerial platform or one having operating characteristics consistent with the one to be used during actual work site operation is required for controls familiarization. This course covers topics under OSHA 29 CFR 1926.453 Aerial Lifts, and the referenced ANSI standards.

## Meet our Instructors

**Troy Aichele** is a LEED Accredited Professional (O+M) and accredited GreenPlumbersUSA Trainer, has a B.S. degree in Construction Management from the University of Washington, and an A.A.S. degree in HVAC and Refrigeration Design. He has worked in every facet as a plumbing contractor over the past 25 years. Troy has been chairman of MCAA's Career Development Committee and a board member of MCERF. He taught mechanical construction as an adjunct professor at several universities and has been an invited speaker at many industry events and conferences.

**Eric Caldwell** is a safety professional with more than 20 years of experience in occupational safety and health. He is a Certified Safety Professional (CSP) and works as a Professional Safety Consultant and President of Gateway Safety Consulting, LLC. Caldwell is also a professional member of the American Society of Safety Engineers (ASSE), American Industrial Hygiene Association (AIHA), and the National Safety Council (NSC). He is a designated third-party administrator for the local HBA/ROSSI OSHA Partnership Program.

**Kathryn Crosby** is President and owner of C2 Consulting, Inc. and has more than 30 years of experience in the construction business. She has served as Vice President and CFO of a mechanical contractor and was elected to the MCAA Board of Directors. Today, she serves on the faculty of the Institute for Project Management (IPM), Construction Education Institute, MCAA's National Education Initiative and the UA's Instructor Training Program. Kathryn develops custom training programs for several trade organizations and construction companies, including the UA and Asbestos Workers.

**Aaron Dean** is an attorney and has defended general contractors and subcontractors in more than 100 OSHA cases, including multiple fatality cases, multiple injury cases, and scores of non-injury cases. Aaron's 20-year legal career spans all facets of the construction industry.

**Leah Gutmann** is a highly experience executive that offers management and training solutions for the whole company. As a consultant, Leah brings her hands-on experience in finance, risk management, human resources, operations, and strategic planning to companies seeking a unique approach in preparing their company and employees to push to the forefront of their industry. From the individual contributor to the strategic planning executive, Leah assists companies in setting visionary, challenging, and realistic growth goals and sets a detailed path to success through her company, First Forward Consulting.

**Troy DeGroot** started his career in 1996 as a High School Intern utilizing manual drafting practices to detail commercial structural steel projects. Since then he has led many companies through new software implementations and training. Having served as the BIM Manager for a large multi-discipline engineering firm, Mr. DeGroot provides a broad understanding of the industry and the evolution of technology. His current responsibilities include training, mentoring, writing technical guides for both Revit Structure and Architecture. Troy also provides industry-

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leading customization, implementation, and training for Bluebeam Revu to customers all across the United States.

**Cris Heffernan** is President at Mobile Learning Centers, Inc. and teaches for St. Louis Community College – Corporate. She is a computer software classroom trainer and consultant who assist companies in delivering quality training both in-person and virtually.

**Ira Koretsky** has held various leadership roles in marketing and product management. After earning his MBA from the University of Maryland, Ira entered into the world of leading-edge technology in the Silicon Valley area. It is there he started The Chief Storyteller® in 2002. In 2014, he started ExpandUSATM, helping global companies and executives accelerate their success in the United States. Like all good communicators, Ira loves the stage. He performed improvisational humor professionally with ComedySportz in a career spanning 12 years and more than 1,000 shows. He puts to good use these skills as an adjunct professor at the University of Maryland Robert H. Smith School of Business where he teaches public speaking, storytelling, and communication. Ira improves your individual and organizational performance, accelerating revenue and improving organizational effectiveness. He is a sought-after speaker inspiring over 36,100 people globally. He is an in-demand consultant, presentation and communication coach, and has had over 40 articles published.

**Katie Lane** is Vice President of Delivery and a Senior Trainer at Dale Carnegie in St. Louis. She enjoys helping businesses develop strong leadership cultures by providing high-quality training experiences. Her ability to balance rigor, fun and efficiency have created a growing and engaged training delivery team in St. Louis. Through strong communication and leadership skills, Lane develops high performers in the workplace.

**Keith Rahn** holds industry experience from owning a mechanical contracting company in Indiana for many years. Rahn currently serves as an assistant professor at Auburn University in the McWhorter School of Building Science. Prior to his new position, Rahn served as an instructional assistant professor at Illinois State University (ISU) for nine years. While at ISU, he taught a variety of classes that covered instruction in mechanical and electrical systems, project management and administration, estimating and project scheduling, and construction material methods.

**Tim Wentz** (Professor) served on the University of Nebraska Construction Management College of Engineering faculty for 25 years until being named an Emeritus Professor in 2018 and was also awarded the inaugural Lifetime Achievement Award that same year. He is a very active volunteer with ASHRAE, where he served as the NE President in 1997-1998, Director and Regional Chair of Region IX (inducted into the Hall of Honor in 2005) and elected a Fellow of the Society in 2005. Tim even served as ASHRAE's international Society President in 2016-2017 and was awarded the Exceptional Service Award in 2018.

However, Tim started his journey on the mechanical contracting side by working for his family's mechanical contracting company doing estimating, project management and design/build. After

entering academia in 1994, he was named national "MCAA Educator of the Year" for his work with the UNL Student Chapter in 2000, 2002, and 2004. In 2009 he was also awarded MCAA's highest honor, the Distinguished Service Award. Between Tim and his son (Blake), we're sure you've at least heard the name "Wentz" if you've been around MCAA for the past decade!

## Additional Resources

**The MCAA & MSCA** offer many safety trainings videos and related materials online. To explore these resources, visit:

<https://www.mcaa.org/> or <https://www.mcaa.org/msca/>

**The Plumbers and Pipefitters Union Local 562** has educational centers located throughout their geographic jurisdiction. The educational centers are utilized by all Local #562 members. For more information, please visit:

<https://local562.org/training-center/>

## Industry Partners

The Plumbing Industry Council (PIC) <http://picstl.com>.

Sheet Metal & Air Conditioning Contractors' National Association of St. Louis (SMACNA)  
[www.smacnastlouis.org](http://www.smacnastlouis.org)

Are you looking for PEU-approved courses in Jefferson County? Find more information about class offerings through Jefferson County Community College at [www.jeffco.edu](http://www.jeffco.edu), or by calling their Continuing Education Department at (636) 481-3144 or 797-3000 Ext. 3144.

## MCA Affiliate Alliance

The MCA Affiliate Alliance is a new education collaboration between a handful of MCA branches throughout the country. To quickly adapt during the COVID-19 pandemic, MCA branches are combining training resources to offer more varied virtual subject matter to our members. Once monthly, a member branch has opened one of their planned trainings to the Affiliate Alliance group – allowing each branch to offer additional courses this Fall at no additional cost. These classes may be slightly larger in size and offer the opportunity to engage with mechanical contractors throughout the US.



REGISTER FOR CLASSES AT [WWW.MCA-EMO.COM/EDUCATION](http://WWW.MCA-EMO.COM/EDUCATION)  
QUESTIONS? CONTACT CARLY CARMOSINO AT [CARLY@MCA-EMO.COM](mailto:CARLY@MCA-EMO.COM), (314) 571-6600