



Crane Certification Association of America



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**The CCAA is going to the
birth place of the USA
Philadelphia, PA**

**CCAA 2018 Spring
Educational Conference
in Philadelphia, PA
October 7-9, 2018**



CCAA The Future of Crane Safety



Letter from the President

By: John Davis
Davis Engineering

Dear Members and Friends,

I have attended almost all of the CCAA conferences during the many years I have been a member and have always come away from them with new insights and a greater commitment to crane safety. The best programs were always those presented by experienced surveyors and other members of CCAA. The most notable development has been that of the Certified Crane Surveyor designation which is awarded upon passage of a significant test and qualified experience and training. I can think of no better investment of time and money than joining CCAA and attending its educational conferences.

Have you ever wondered how you would feel if a crane you had inspected recently was involved in an injury accident related to one of the inspection elements that you checked as "ok"? Would your inspection documents be sufficient to protect you in the event of a law suit? The legal environment is one that is strange to most of us, so we will be provided with a personal insight as to the pitfalls and dynamics of such an occurrence at the Fall Educational Conference by CCAA past president Ray Feidt. Ray's experience as a trainer and manager of Stephenson Equipment makes him well prepared to make this timely presentation. I'm confident that Ray will provide information and insight that will help us be prepared to protect ourselves from an unexpected occurrence.

Don't miss the Fall Educational Conference, October 7-9 at the Philadelphia Airport Sheraton Suites Hotel.

CCAA is the place where crane surveyors learn to be the best that they can be!

John W. Davis, P.E.

CCAA 2018 FALL EDUCATIONAL CONFERENCE IN PHILADELPHIA, PA

Where?

CCAA is going to the city of brotherly love and the birth place of one the greatest countries in the world. From Independence Hall to the Liberty Bell the history is everywhere. Home of the 2017 Super Bowl Champions Philadelphia Eagles. The CCAA is putting on a great line up with Messinger Bearing and I&I Slingmax. Don't miss out on the all the history, training, camaraderie, and great food.

Where crane surveyors learn to be the best that they can be.

Where are we staying?

Sheraton Suites Philadelphia Airport
4101 B Island Avenue
Philadelphia, PA, 19153



The Certified Crane Surveyor test is back. Attend the 2018 Fall Educational Conference and get tested.

HOTEL RESERVATIONS

A dedicated booking website has been created for the 2018 Fall Educational Conference so you will be able to make, modify and cancel their hotel reservations online.

To book online, please click the following link:

<https://www.starwoodmeeting.com/events/start.action?id=1807111593&key=1149A88F>

Registration fee includes (2) hot breakfasts, (2) lunches, and Sunday night reception. Cancellations received after September 15, 2018, will not be refunded.



Stay tuned for more details

CCAA 2018 FALL EDUCATIONAL CONFERENCE HOSTS IN PHILADELPHIA, PA



ERIC PERRY – I&I SLINGMAX

With over 20 years of experience in the construction field, Eric has a combination knowledge and experience. Eric began his career as a Heavy Equipment Operator later progressing to Construction



of

Supervisor. Most recently, Eric served our

country for 20 years as an Engineer in the United States

Army. As a certified Army instructor, Eric draws on an extensive background in training and training development, including 16 years of training equipment operators from all branches of the United States military. His crane operation experience extends beyond the standard as Eric has completed projects in a variety of the harshest environments around the world.

PRESENTATION SUMMARY

Statistics show that 90% of crane and rigging accidents are due to human error, Eric will discuss critically overlooked inspection areas of wire rope, chain and synthetic slings along with effects of D/d ratios. Additionally, we will cover both good and poor rigging practices throughout the industry.

I&I Slingmax will host a tour of their facility and will introduce new microchip sling technology.

Our Host will provide lunch for our group catered by Famous Dave's BBQ

<https://www.famousdaves.com>.

CCAA 2018 FALL EDUCATIONAL CONFERENCE HOSTS IN PHILADELPHIA, PA



DONALD BARNHURST—MESSINGER BEARING

Our host will be represented by Donald Barnhurst. Don is a Sales Engineer and will be our guide for the afternoon. Messinger Bearing specializes in custom and replacement bearing solutions for large, custom and severe industrial applications. Messinger Bearings has extended its machining and induction heat treating capacity to manufacture large rings up to 25 feet in diameter. With the addition of the brand new state-of-the-art equipment, Messinger now boasts the biggest bearing capabilities in North America.

ACTIVITIES WITH MESSINGER BEARING

We will start the afternoon at Stephenson Equipment's Prospect Park facility. Stephenson will be providing a crane Don will use to discuss turntable bearing inspection in the field. From Prospect Park we will be bussed to Messinger's facility for a plant tour. It promises to be a very educational and informative afternoon.



DENNIS O'ROURKE – NATIONAL CRANE SERVICES

Over fifty years experience in the industrial, maritime, military and construction fields working with heavy equipment and material handling devices. As a safety engineer during this period, I have developed and/or presented over 520 safety-training programs for all representative elements of government and industry. I have also performed 100's of load test and certifications

of various cranes.

My responsibilities include; direct the operational and administrative functions of the company and act as senior consultant and training advisor. Also responsible for formulating and presenting crane operator and inspection training programs for mobile - hydraulic, lattice boom, and friction cranes and overhead cranes. As well as, performs crane inspections, load tests, crane maintenance and design, heavy lift consulting, and accident reconstruction investigation. Supervise inspections and testing of cranes. Supervise testing and certification of rigging gear and slings on our test bed fixture.

PRESENTATION TITLE

"THINGS WE CERTIFY WE CAN'T SEE" - A Third Party Inspector's Perspective

PRESENTATION SUMMARY

An "assumption," a thing that is accepted as true or as certain to happen, without proof.

Assumptions are the personal thoughts of the person expressing an opinion or making a decision.

Mostly we assume things that are mundane and inconsequential in ordinary discussion with our family, colleagues or fellow employees. When specific decisions are to be "acted" on, assumptions must be or should be, verified for validity.

When the Owner of a crane orders an annual inspection of his crane what does he expect or assumes the report is to provide? I think we can agree that at least he thinks he will be informed of defects that would cause loads to drop or the crane to collapse within a years time, we did say it was an "annual." Therein Lies the first problem!

Think hard about this; the owner has total control of the moving, loading, maintenance, and repair of the crane for a year without the Inspector's observation! Should the Inspector then "assume" all of these various operations are performed properly? After an accident, I have never personally known of an Owner admitting maintaining or loading their cranes improperly. Therein Lies the second problem.

We say the crane is "good" for a year but, we have no control over the year, how dumb is that? In this paper, I will concentrate on the problem of detecting defects in components that cause accidents that are "assumed" satisfactory during an annual inspection, yet, not verified for one reason or another. To say it more directly – "things we certify that we can't see!" How then can protect our good selves, let's talk about it!



DONALD O'ROURKE – NATIONAL CRANE SERVICES

Donald O'Rourke is the President and Owner of National Crane Service, the second generation owner of a crane inspection company that was started by his father, Dennis O'Rourke in 1981. Donald has worked in the crane industry for over 25 years. He has extensive experience with mobile cranes, overhead cranes, boat hoists, aerial lifts, and other material handling equipment. Boat hoist inspection/testing/repair/refurbishing is a specialty of his. Donald's work load includes inspections, load tests, repairs, maintenance, troubleshooting, and training.

PRESENTATION TITLE

Crane Inspection Classifications? What's does the end crane user expect when their crane is inspected? Part 2, A Continuing Discussion
(Attendee participation is welcomed and encouraged)

PRESENTATION SUMMARY

This is the second in a series of presentations to define the term Crane Inspection and develop inspection classifications. To assure crane owners or end users know what they are buying and crane inspectors know what they are quoting, someone should define a "baseline" inspection for each of the four types of inspections. The Crane Certification Association of America is the perfect group to establish this standard. Crane inspections can generally be grouped into one of four types....

- 1) Maintenance inspections
- 2) Condition inspections
- 3) Pre-purchase inspections
- 4) Post Repair inspections.

We will discuss these different types of inspections. How OSHA, ASME, and other regulatory agencies help define these inspection classifications. We will discuss what crane owners and end users generally expect and how not defining what type of inspection is being performed can expose you and your company to risk. We will discuss checklist and other important tools to help define the inspection process. We will start the process of defining these crane inspection classifications here and in future presentations and discussion groups.



RAY FEIDT – STEPHENSON EQUIPMENT, INC.

Ray Feidt is the Corporate Inspection/Training Manager for Stephenson Equipment, Inc., a full service Manitowoc Crane Group Dealer in Pennsylvania and New York State. Ray, formally a crane operator and crane technician for 28 years, is an NCCCO certified:

operator, signalperson, rigger, crane inspector and lift director and is an NCCCO Accredited Practical examiner. He is the Past President of the Crane Certification Association of America (CCAA), Past Chairman of the Pennsylvania State Board of Crane Operators, serves on the NCCCO Crane Inspector Program Management Committee (CIMC), has been published in Crane Hotline magazine twice and presented on the topic of crane inspections at the 2017 and 2017 Con-expo.

PRESENTATION TITLE

“Crane Inspectors—Beware”

PRESENTATION SUMMARY

Is the Crane Inspection business changing, you bet it is! Not so much from the crane inspectors point of view, but from the insurance company and attorney world, it is!

So, what does this all mean to the crane inspector???

This presentation will cover topics related to: what are the risks and WHY; do inspection form disclaimers work; when inspecting, what to look for during your inspection; does responsibility have anything to do with liability.

**BRUCE MACPHERSON - CERTIFIED BOOM REPAIR SERVICE NORTHEAST, LLC**

Bruce studied Restaurant and Hotel Management in college. Almost every time he had a cooking class, he burned the dish. It became clear he should choose a profession with much higher heat..... so for over 35 years he has been managing companies in which welding was an important part of operations. At first it was collision and frame repair of class 8 trucks and heavy equipment. For the last 27 years his company, Certified Boom Repair Service Northeast, has been doing structural repairs to cranes. Bruce has served as a CCAA Board member for 12 years.

In Restaurant Management school Bruce did learn to “count the beans” and was asked to take over Treasurer’s responsibilities in 2015.

PRESENTATION TITLE

Weld Procedure Qualification in Detail

PRESENTATION SUMMARY

I have come to the conclusion from my years in the repair business that the term “Weld Procedure” is often misunderstood.

Weld Procedure Qualification has (4) important components. The process starts with a procedure specification (a written document which describes the procedure in detail), followed by a technician physically doing the work described in the specification, then destructive testing usually completed by an independent laboratory. The process ends with the Weld Procedure Qualification Record, WPQR. Each step of the of the process to qualify a Welding Procedure requires supporting documentation clearly defined by the American Welding Society.

We will be reviewing the Weld Procedure Qualification process in detail. It is not my intent to provide the information an Inspector would need to approve supporting documentation for structural repairs one may encounter during crane inspection activities. I do however feel inspectors should understand AWS’s intent. If time allows, I will provide supporting documents from an actual repair scenario accepted by all invested parties..... Let’s see who can find the mistakes?

**Matthew Hottenstein—Atlantic Crane Inspection Services**

I started going out on inspections with my Grandfather, Clarence Hottenstein, when I was 15 years old when he had me operating bucket trucks and setting up the dielectric machine. I quickly fell in love with this business and all the challenges that came with it. After graduating

high school, I immediately starting training to become an inspector while attending college classes. I joined CCAA in 2009 and have found it to be an incredible group of like minded people. In 2015, I joined the N.C.C.C.O. Crane Inspector Management Committee in hopes of helping the industries future.

PRESENTATION TITLE

Strange Deficiencies and Trends

PRESENTATION SUMMARY

My presentation is a series of pictures and videos of deficiencies from various inspections. These photos are of strange deficiencies and trends that myself and other inspectors from my company have come across. The CCAA is an inspector association and I feel it is very important to make sure we talk about as well as see some of the issues we come across during our inspection.



Crane Certification Association of America

CCAA Certified Crane Surveyor (CCS) Testing will resume at the Fall Educational Conference to be held at the Sheraton Suites Philadelphia Airport - Philadelphia, PA, Oct. 7-9, 2018. Testing will be conducted at 8:00AM Sunday morning, Oct. 7, 2018. Those members registering for CCS testing should plan their travel accordingly.

The CCS Program provides practicing crane surveyors with a means to demonstrate their knowledge of applicable regulations, standards and core elements of crane inspection and testing.

CCAA members who successfully pass the CCS competency exams for Mobile, Overhead or Tower Cranes, receive their CCS card and certificate, which gives them the distinction of having qualified for the CCS professional designation. The CCS designation provides credibility and additional assurances to customers that surveyors have been tested and are qualified to inspect and test their equipment.

Candidates may only apply for the Mobile and Overhead Crane Surveyor exams at this time. If interested in applying for the CCS exam, candidates may call or e-mail to request a

CCS Application. Upon processing of the application and payment, a Study Guide for the desired specialty will be e-mailed immediately. Members are encouraged to apply early and receive a Study Guide in preparation for the tests. If e-mailing, include CCS TESTING in the subject line and send to: david@iescraneservice.com

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SPONSORS**

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ATLANTIC CRANE INSPECTION SERVICES

Monday Morning Break Sponsor



Monday Lunch Sponsor



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Chairperson: William Hough

Crane Certification Association of
America

*Mark your
calendars
stay tuned
for more
information*

Next Educational Conference Information

March 24-26, 2019 Stay tuned for updates.

Crane Certification Association of America

1608 South Ashland Ave. #83408
Chicago, IL 60608

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CCAA The Future of Crane Safety