

# NCPWB

National Certified Pipe Welding Bureau



**NCPWB 2018 Annual Technical Committee Meeting**

**April 22-25**

**Omni Rancho Las Palmas Resort**

**Rancho Mirage, California**

Don't miss this opportunity to learn about a wide range of topics that will include an introduction to radiographic film interpretation, application and proper selection of clamping equipment for piping joint assembly and fit up, phased array ultrasonic testing, robotic advancements in welding tube and pip, and how to manage a local NCPWB chapter. Network with your colleagues and find answers to your technical questions on welding and brazing.

# Presentations Topics and Highlights

**Monday, April 23**

## **An Introduction to Radiographic Film Interpretation, with a Focus on ASME B31.3**

**Larry Richardson** of Crossbridge Compliance will outline the requirements for obtaining useful radiographs of pipe welds and interpretation/evaluation of those radiographs. Radiography and radiographic film interpretation are critical to our piping fabrication industry, as well as other areas of industrial construction and maintenance. However, the practice is often inconsistent. Our industry needs more emphasis on standardized training for industry specific applications. Just as there are great differences between the methodology for building a boiler versus laying a pipeline, there are similar differences for the radiographer as well. There are common inconsistencies and misconceptions regarding “qualification” and “certification” of radiographers, film interpreters and Level III personnel. This presentation will provide insight into the requirements for radiography as well as the challenges facing us regarding film interpretation and evaluation.

## **Robotic Advancements in Welding Tube and Pipe**

**Mark Oxlade** of AAB will discuss how the joining of pipework presents its own unique set of challenges to providers of automation and technology. The set of characteristics needed to meet customer expectations is why you don't see the industry flooded with robots, similar to automotive. However, the tide is changing due to even more exacting processes demands, evolution and innovation of processes, more intuitive sensing technologies in robotics, improved economics and the ever-increasing challenge to find skilled engineers. With these tools in our toolbox, we are undertaking more and more robotic pipe welding and cutting applications.

Mark will discuss some of the applications and processes entering our industry. He will review the majority of the thermal processes associated with robotics from GTAW to laser reflecting on the merits and potential challenges they each present.

## **Chapter Operations Seminar – Technical Session**

**Walter Sperko**, NCPWB consultant, will cover the following topics:

- How NCPWB procedures meet ASME and B31 requirements
- Selection of the appropriate WPS
- Welder Interchange Process and its benefits to contractors
- NCPWB Chapter support of contractors
- Benefits of the Joint UA/NCPWB Certification Program
- Selection of the most effective JPQT or WPQT based on project needs

## Tuesday, April 24

### **Clamping: Reforming & Aligning Pipe**

**Brandon Boyd** of Mathey Dearman will present an overview of a newly developed training apparatus that addresses all the key elements of pipefitting. Brandon will highlight the necessary skills needed and knowledge about the different types of clamps used in the fabrication and installation of piping systems. The presentation will also focus on the application and proper selection of clamping equipment to perform piping joint assembly and fit-up safely and consistently. Welding processes and correct purging techniques will also be discussed.

### **The Phased Array Ultrasonic Testing (PAUT)**

**Bob Wiswesser**, a Consultant for Welder Training and Testing Institute, will cover the basics of operating Ultrasonic Testing (UT) and Phased Array Ultrasonic Testing (PAUT) for identifying and sizing pipe weld discontinuities. He will assess and compare which testing method - Radiographic Testing (RT) or PAUT is more sensitive in locating and evaluating unacceptable defects, such as lack of fusion (LOF), incomplete penetration (IP), and cracks. A live demonstration of flawed pipe weld test specimens with encoded PAUT will be performed, allowing you to learn how to analyze and evaluate the A-scans, S-scans, and encoded one-line C-scan displays on the Omni-Scan Instrument and how to complete ASME test reports.

### **Chapter Operations Seminar – Administrative Session**

**Walter Sperko**, NCPWB consultant, will cover the following topics:

- An explanation of welder testing – why and how
- What is welder certification
- Who can conduct welder tests
- The testing process, from the procedure to certification
- How is the test done, side bend, root or face
- Pass-Fail test parameters
- Who is the testing agency
- Who prepares forms
- Who signs forms
- UA ATR responsibility
- Responsibilities of a chapter secretary in welder testing
- Who “owns” the certification and can the welder take with them
- When do welder qualifications expire
- What is currency/continuity

# NCPWB Annual Technical Committee Meeting Agenda

## Sunday, April 22

6:00 pm – 7:00 pm Welcome Reception  
7:00 pm – 9:00 pm Welcome Dinner

## Monday, April 23

7:00 am – 8:00 am Breakfast  
8:00 am – Noon Technical Committee Meeting  
Afternoon Golf or at leisure

## Tuesday, April 24

7:00 am – 8:00 am Breakfast  
8:00 am – Noon Technical Committee Meeting  
Afternoon Golf or at Leisure

## Wednesday, April 25

7:00 am – 8:00 am Board of Trustees Breakfast  
8:00 am – Noon Board of Trustees Meeting

Online registration will be open by first week of February. To register on line, please go to <http://www.mcaa.org/education/ncpwb/>. If you have trouble with your password or user ID, contact Jan Grillo at (301) 990-2218 or by email [jgrillo@mcaa.org](mailto:jgrillo@mcaa.org). Questions regarding registration and the resort should be directed to Megan Walsh at (301) 869-5800 or by email [mwalsh@mcaa.org](mailto:mwalsh@mcaa.org).



# 2018 NCPWB Spring Technical Committee Meeting

Omni Rancho Las Palmas ■ Rancho Mirage, CA

April 22: Welcome Reception and Dinner

April 23-24: Technical Committee Meeting

April 25: Board of Trustees Meeting



## Attendee Information

Attendee Name \_\_\_\_\_ Badge Name \_\_\_\_\_  
 Spouse/Guest Name \_\_\_\_\_ Badge Name \_\_\_\_\_  
 Company Name \_\_\_\_\_ Title \_\_\_\_\_  
 Street Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 \*Registrant's E-mail \_\_\_\_\_ Cell Phone \_\_\_\_\_

\*Please note: E-mail address is required. All agendas and minutes will be sent electronically only.

Registration Type	Quantity	Fees
Primary Registrant		\$ 710
Spouse/Guest (18 years of age and older)		\$ 150
Child (17 years of age and younger)		\$ 60
<b>Total Due</b>		<b>\$</b>

## MCAA Cancellation & Refund Policy

If it becomes necessary to cancel your participation in the conference, please send **written** notification to MCAA as soon as possible. Please note the following refund information:

- Substitutions are always accepted.
- You will receive a full registration refund if you cancel by **March 30, 2018**. Cancellations after this date will be handled on a case-by-case basis.

Check (payable to MCAA)

AMEX

MC

VISA

Account Number \_\_\_\_\_ Expiration \_\_\_\_\_  
 Cardholder Name \_\_\_\_\_ Billing Zip Code \_\_\_\_\_  
 Signature \_\_\_\_\_

## Golf Information

Golf will be played on the West, North and South golf courses on Monday, April 23<sup>rd</sup> and Tuesday, April 24<sup>th</sup> at the rate of \$75/player. **Fees will be charged to the credit card provided for your meeting registration.** If you must cancel golf, you need to do so by **April 6, 2018, or you will be charged the fee.** Please check the appropriate boxes below. Rates include greens fees, a round of 18 holes, shared cart rental and bag storage. Specific course assignment subject to change based on conditions and maintenance schedules. Rental clubs are \$39.

**Monday Golf**  I will be playing  My spouse/guest will be playing  Lefty  Righty  
**Tuesday Golf**  I will be playing  My spouse/guest will be playing  Lefty  Righty

I would like my foursome to include: \_\_\_\_\_

## Hotel Registration

Room Type	Room Rate	King Bed	Two Beds
Standard Room	\$259*		

\* The Guest Room Rates are quoted exclusive of applicable state and local taxes (which are currently 13.45%), applicable service fees, and/or Hotel-specific fees in effect at the time of the event.

Arrival Date \_\_\_\_\_ Departure Date \_\_\_\_\_  
 Select Guest Rewards Number \_\_\_\_\_ Sharing Room With \_\_\_\_\_  
 Do you have any special hotel requirements? \_\_\_\_\_

♣ Please contact Megan Walsh at (240) 631-6293 if you require special accommodations to fully participate in this event.

## Rooms at the Group Rate Are Subject to Availability

Reservations are made on a first come, first served, space available basis upon payment of meeting registration fee. A deposit in the amount of the **one night's** rate and tax is necessary to confirm your reservation. Cancellations within **10 days of arrival** may result in forfeiture of deposit. MCAA does not guarantee a room at the Omni Rancho Las Palmas or at the group rate for registrations received after March 30, 2018. Check-in is 4:00 p.m. and check-out is 11:00 a.m.

Check (payable to Omni Hotels & Resorts)

AMEX

MC

VISA

Account Number \_\_\_\_\_ Expiration \_\_\_\_\_  
 Cardholder Name \_\_\_\_\_ Billing Zip Code \_\_\_\_\_  
 Signature \_\_\_\_\_

## Register online at [www.mcaa.org/education](http://www.mcaa.org/education)

If you have questions, please contact Megan Walsh:

- By phone: (240) 631-6293
- By e-mail: [mwalsh@mcaa.org](mailto:mwalsh@mcaa.org)
- By fax: 1 (240) 238-9583
- By mail: Meeting Dept., 1385 Piccard Drive, Rockville, MD 20850

Our business hours are 9:00 am–5:00 pm, Eastern Time, Monday–Friday.