



Puget Sound Section 41

Agenda: Tuesday- September 7

8:30 – 8:40 Opening Welcome Remarks
Ken Johnson, Weld Engineering, Todd Pacific Shipyard,
Symposium Chair
Paul Stone, Symposium vice Chair

8:45 – 9:15 Pete Theriot
Pete Theriot, Technical Process Engineer, Mathey
Dearman, Weld joint geometry beveling, cutting
applications and pipe fit up assembly connections,
Nuclear, Petroleum, Pulp and Paper, Natural gas
industries.

9:15 – 10:00: Brent Keil
Brent Keil P.E. Corporate Chief Welding Engineer
Northwest Pipe Company, Spiral SAW Submerge Arc
welded steel pipe (Laser Guided Double Submerged Arc
Welded). 20" OD through 120" OD Pipe thickness 0.145"
through 0.750" inspection criteria
API 5L, (FCAW) Flux Cored Arc Welding, (GMAW)
Gas Metal Arc Welding field welder connections.
AWWA C200 Pipe, A Manufacturer's Perspective

10:00 – 10:15 Break

10:15 – 10:45 Barbara Henon, Phd.
Barbra Henon, AMI Arc Machines, Automatic Orbital
Welding Systems. Orbital welding of duplex stainless
steel tubing and pipe for offshore applications. Dr. Henon
serves on several national committees, and is a published
author.

10:45 – 11:30 Ed Hansen
Ed Hansen ESAB Global Manger of Laser Welding
development, advanced pipe welding processes, Energy
Applications for advanced joining processes Hybrid Laser
pipe welding, Friction Stir carbon steel pipe welding new
developments.

11:30 – 12:00 John Brickley
John Brickley ESAB Strategic Technical Engineer (SAW)
Submerge Arc North America Pipe Mills. History and
current trends in (SAW) pipe welding manufacturing

12:00 – 1:00 Lunch

1:00 – 1:45 Blaine Maki
Blain Maki President of Metal Test Inc, Review of AWS,
ASME, welding procedure qualification, Destructive
testing, Metallurgy.

1:45 – 2:30 Chris Sunberg
Chris Sundberg CH2M HILL Inc., S.E Structural
Engineer (AWS) certified welding inspector (SCWI),
Seismic design of Ring Girders large diameter pipe.

2:30 – 2:45 Break

2:45 – 3:15 Steve Carter
Steve Carter Industrial Welding Engineer Precor, Review
of GTAW Gas Tungsten Arc Welding Nonferrous Pipe
Welding application and materials.

3:15 – 4:00 Joe Bailey
Joe Bailey Airgas Nor Pac Welding Process Engineer
(AWS) CWI Certified Welding Inspector, SMAW
Shielded Metal Arc Welding open root techniques for full
penetration pipe welds and electrode selection.

Ken Johnson AWS Puget Sound Program Chairman
Closing remarks questions.

West Coast Pipe Welding Symposium – 7 September 2010

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CHECK-IN/REGISTRATION BEGINS AT 7:30 AM

THERE WILL BE BREAKFAST PASTRY/COFFEE

Register on-line: <http://sections.aws.org/pugetsound/startpage.htm> Or,

MAIL REGISTRATION FORM ALONG WITH PAYMENT TO:

AWS PUGET SOUND SECTION, PO Box 59201, Renton, WA 98058-2201

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AMERICAN WELDING SOCIETY

PUGET SOUND SECTION

SEPTEMBER 7, 2010

West Coast Welding Pipe Design and Welding Symposium

This will be the first symposium on this subject on the West Coast and is an excellent opportunity for regional fabricators to network and advance their expertise, quality, productivity and the science of fabrication in the piping industry.

This symposium will be a forum of premier, nationally recognized presenters covering the newer technology, processes, and practices in design and welding applications and new process development both steel and dissimilar alloys.

Topics:

- Hybrid Laser Welding, Submerged Arc Welding, and Friction Stir Welding.
- Carbon Steel Welding Metallurgy.
- Developments in Piping Systems.
- Fatigue and Fracture.
- Orbital Pipe Welding Applications.
- Seismic Design applications.
- ASME, AWS Procedure Qualification
- Reference specifications API 5L, AWWA: C200, ASTM A139.
- Base Metal, Weld requirements and fabrication requirements.