March 6, 2014 Dinner Meeting

Puget Sound American Welding Society
is Proud to Host:

Michael Weaver of Weaver Engineering

Speaking on the topic of: Assessment of Resistance to Failure in Welds using FEA.

Mr. Weaver will discuss application of Finite Element Analysis to assessment of weld failure resistance with respect to welding code requirements for both static and cyclic loading cases (assessment against extreme loading failure and fatigue cracking failure) and fitness for purpose studies. He will discuss analysis and modeling approaches, pitfalls, and relate those to code provisions for assessment. Case studies with AWS D1.1, API RP 2A-LRFD, and the IIW Recommendations will be given, including the East Half Replacement of the Hood Canal Bridge for both static and cyclic loading.

Mr. Weaver works in development of engineering software tools for fluid dynamics, heat transfer, and fluid-structure interaction within CD-adapco's CAE tools: STAR-CCM. Prior to beginning this position in 2004, Mr. Weaver worked extensively in the field of weld design and analysis, finite element analysis, welding fabrication quality assurance, fitness for purpose studies, reliability analysis, and material testing with Weaver Engineering for twelve years.

TECHNICAL QUESTIONS
Bring your technical questions to the meeting (any subject) or write them there and leave at the registration table or hand to Stephen Pollard. They will be discussed and hopefully answered during the dinner hour.

PLEASE MAKE YOUR MEETING RESERVATIONS BY E-MAILING TO: AWSPUGETSOUND@GMAIL.COM OR, PHONING ASK FOR Donna Page at Airgas at +1 (206) 224-0430 BY TUESDAY MARCH 4 2014. REGULAR DINNER PRICE IS $40.00; STUDENT PRICE IS $20.00. PLEASE LEAVE YOUR PHONE NUMBER WHEN MAKING RESERVATIONS. IF YOU DO NOT PLAN TO HAVE DINNER, YOU ARE STILL WELCOME TO ATTEND THE PROGRAM. PLEASE LET US KNOW IF YOU WILL ATTEND. SUGGESTED ARRIVAL TIME IS 7:30PM.
We Welcome all Past Chairman to be honored!

In addition to our regular meeting, this month’s meeting is also our annual past chairman night. We hope to see those who have served the Puget Sound AWS Board as chairman in the past come and be recognized for their dedication and service. We know that you dedicated any hours to the local community, and would like to take this upcoming meeting to thank you.

Be sure to Like us on Facebook! Click Here to find our new Facebook page. If you want to see your welds or projects on our Facebook, send them to Arthur.Schnitzer@gmail.com with your name and a brief description.

SCHOLARSHIPS

The Puget Sound section awards scholarships to students enrolled in weld programs at local colleges. The funds for these scholarships are from donations from members and other interested individuals, businesses or groups to train welders. If you would like to help welding students receive training/certification, please contact Scholarship Chairman – Steve Nielsen HM: (425) 259-3508 WK (425) 328-5661 E-MAIL: steven.t.nielsen@boeing.com. Please leave a message and someone will return your call. Puget Sound Scholarship Applications

PAY YOUR DINNER ONLINE!

Pre-pay for your dinner at http://www.pugetsoundaws.com/payfordinner. Select your

WE NEED YOU FOR THE 2014-2014 PUGET SOUND BOARD!

We are looking for individuals to fill leadership roles for your sections. From helping with our monthly newsletter to helping administer the new Facebook page, there are many opportunities available. This is a great way to meet more people in your industry, add to your resume, and become more involved in the location section. Contact any board member for more details!

UPDATE YOUR EMAIL ADDRESS

In order to ensure that you receive all notices from the Puget Sound Section of AWS we need your Email address.

If you are a member, please log onto www.aws.org and go to “My Account”

If you are not a member and wish to be included on our mailing list please send a note to:
awspugetsound@gmail.com
DIRECTIONS

COMING FROM SOUTH OF BELLEVUE:
Head North on I-405
Take exit 13B for Northeast 8th Street
Take exit 13A on the left toward N.E 4th St/116th NE
Turn right onto NE 4th St
Turn left onto 116th Ave NE
Coast Bellevue Hotel Will Be To Your Left
625 116th Ave NE, Bellevue, WA 98004

COMING FROM NORTH OF BELLEVUE:
Head South on I-405
Take exit 13B for NE 8th St E
Merge onto NE 8th St
Turn right onto 116th Ave NE
Coast Bellevue Hotel Will Be To Your Right
625 116th Ave NE, Bellevue, WA 98004

IMPORTANT UPDATE ON THE JERRY HOPE SCHOLARSHIP

The Jerry Hope Endowment Scholarship has been funded to our goal. The scholarship includes all of the AWS sections in District 19, which includes the AWS sections in Washington, Oregon, Alaska, British Columbia, & Alberta. It is an endowment scholarship fund that has about $52,000 in it. The endowment fund will perpetuate interest income to provide about $2500 per year. Priority is given to students seeking a welding engineering degree or welders seeking a welding related engineering degree. If no students are seeking a welding engineering or related engineering degree, the funds will rotate between sections each year to fund local 2-year welding technology students.

The Puget Sound Section still has a need for scholarship fund donations for local welding technology students. Last year we gave out $6,000 in scholarship funds and we have given out $1500 so far this year (June 1 to May 31). For anyone who would like to donate to our scholarship fund, please send a check to the “AWS Puget Sound Section” PO Box 2923, Everett, WA 98213. For students, please contact Steve Nielsen at "steven.t.nielsen@boeing.com" to get a scholarship application. The application is also available at our Sections website located within the “Scholarship Application Information” website. 100% of all scholarship donations go to student scholarships. Implementation of the program is all done by local AWS volunteers.

AWS National and District Scholarship Funds - Available to Welding Students
Additional scholarship funds are available if the Puget Sound Section scholarship fund has been exhausted. Contact your School; College; Instructor; or visit the AWS site to fill out the AWS application. District Scholar-ships are for any level of welding related educational programs, while National Scholarships are generally for undergraduate students of a four-year program leading to a bachelor's degree. Visit the AWS Scholarship via the link below or Steve Nielsen Phone (425) 259-3508 for more information. Applications are now available on-line from the AWS Foundation - www.aws.org/foundation. Additional Scholarship Application Information
Important Update about Section Dinners

The AWS Puget Sound Section board recently voted to raise the dinner cost for meetings to $40 for regular attendees and $20 for students. As most of the meeting attendees know, the Rock Salt Steakhouse closed. It may be reopening in the future, but at this time we do not know. In the last three months, we have tried several locations for our meetings. Each of the locations we tried works great for a meeting, but the cost is significantly greater than the cost we were paying at the Rock Salt. The Section has had a large deficit cost of several hundred dollars at each of the last three meetings. We simply cannot afford to subsidize the meeting costs to that extent. However, the Section will continue to subsidize the student meals. Thank you for your understanding and continued support.

PUBLICATIONS:

Need a publication in a hurry? The Section library is held by the Seattle Public Library. 1000 4th Ave. Technical Library on 7th Fl. Phone: 206-386-4623. Limited free parking in the basement of the Library. http://www.spl.org/ In an emergency, the Library can respond to requests for limited mailing of specific pages of an AWS document.