

Welding of Aluminum for Engineers

1 Day Seminar Registration

Wednesday April 29, 2015 8:00 AM to 4:00 PM Lunch Will be Provided	The Apprentice School 3101 Washington Avenue Alumni Room, 1st Floor Newport News, Virginia 23607
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The seminar for this season is a condensed and informative one day course that the Eastern Virginia Chapter has arranged with one of the country's foremost authorities on aluminum structures and aluminum welding. This seminar provides the following advantages to you and your employer:

- Our registration fee is only \$495 for ASM members. Similar seminars frequently cost twice as much.
- The course is taught by the same instructor who teaches our aluminum structures seminar.
- **8 PDH credits will be awarded to each attendee upon successful completion of the course.**
- Proceeds will go toward Eastern Virginia Chapter ASM educational and chapter activities which have included college scholarships, the annual Students' Night, Teachers' Camp sponsorships, and more.

The seminar is open to everyone.

Please complete the registration form below and mail it to:

Kurt Thompson
 Secretary, Eastern Virginia Chapter ASM
 8761 Battlefield Park Road
 Richmond VA 23231

Payment: You may include a check along with your registration form, made out to "Eastern Virginia Chapter ASM" and including "2015 Welding Seminar" in the memo field, or you may pay by credit card through the chapter web site:

[**asmeastervirginia.tripod.com**](http://asmeastervirginia.tripod.com)

A discounted rate is available to any member of ASM International. Please be sure to include your ASM member number with your reservation.

Reservation Completion: Even if you pay by credit card, **you must mail a registration form.** Your registration is not complete until both the form and payment are received. No refunds will be given unless the event is canceled, but attendee substitutions will be allowed (please let us know as soon as possible). The registration form along with payment must be postmarked by April 15, 2015 and received by April 24, 2015 to qualify for the discounted rate.

Feel free to contact Kurt Thompson at Kurtthomps@aol.com or 804-795-1430 if you have any questions. Also see the attached detailed course description.

----- Registration Form -----

Name: _____

Phone: _____ Email: _____

Address: _____

City: _____ State: _____ Zip: _____

Payment Type	Reservations	On or Before April 15, 2015	On or After April 16, 2015
<input type="checkbox"/> I have enclosed a check	<input type="checkbox"/> I am a member of ASM ASM Member No.: _____	<input type="checkbox"/> \$495	<input type="checkbox"/> \$645
<input type="checkbox"/> I have paid by credit card	<input type="checkbox"/> I am not a member of ASM	<input type="checkbox"/> \$545	<input type="checkbox"/> \$695

Welding of Aluminum for Engineers

April 29, 2015

The Apprentice School
3101 Washington Avenue
Newport News, Virginia 23607

A one day educational seminar sponsored by the **Eastern Virginia Chapter of ASM International**
See the chapter website for more information or to register for the seminar:

asmeasternvirginia.tripod.com

Instructor:

Mr. Randy Kissell, P.E.
The TGB Partnership, Hillsborough NC

Course Overview:

Welding of aluminum is not like welding steel, but is it more difficult or just different? How can trouble be avoided when designing or specifying aluminum welds? These questions will be answered and other topics will be discussed:

- What's in the new 2014 AWS D1.2 Structural Welding Code – Aluminum
- How to write specifications for aluminum welding
- Aluminum welding processes, including GMAW, GTAW, PAW, stud, and, new to D1.2, friction stir welding (FSW)
- Wrought and cast aluminum base metal alloys, their tempers, and filler alloys
- Designing aluminum fillet, groove, plug, slot, and stud welds
- Designing welded aluminum members for tension, compression, bending, shear, and fatigue
- Qualifying aluminum weld procedure specifications (WPSs)
- Qualifying aluminum welders
- Fabricating aluminum welds, including backing, preheat, edge prep, assembly, tolerances, repairs, cleaning, and post-weld heat treatment
- Minimizing distortion
- Inspecting aluminum welds using visual, dye penetrant, radiographic, and ultrasonic methods

About the Instructor:

Mr. Randy Kissell, P.E., is a senior partner with the TGB Partnership, an engineering firm specializing in

aluminum structural design. He is a graduate of Cornell University, with over 38 years of experience designing aluminum structures, including more than 1,000 clear span roofs, some of which have been featured in *Civil Engineering* and *Engineering News-Record* magazines. He is a co-author of *Aluminum Structures, A Guide to Their Specifications and Design*, published by John Wiley and now in its 2nd edition.

Mr. Kissell has conducted aluminum design seminars for the American Society of Civil Engineers (ASCE) since 2001 and has given presentations at numerous ASCE Structures Congresses and for building code officials, American Association of State Highway and Transportation Officials, Federal Highway Administration, and the American Welding Society. He has been a licensed structural engineer and contractor in many states, and is Secretary of the American Welding Society's Aluminum Welding Subcommittee and Aluminum Association's Engineering Advisory Committee. He is also a member of the American Petroleum Institute's Aboveground Storage Tank committee, ASTM Light Metals committee, and the Canadian Standards Association Technical Committee on Strength Design in Aluminum.

Who Should Attend:

- Metallographers
- Technicians
- Researchers
- Quality control specialists
- Managers who want to expand their technical knowledge

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