IMPORTANT NOTICE:

To continue receiving your chapter’s event notifications, please be sure your email and postal addresses are up to date on the ASM web site:

www.asminternational.org

We will continue to send the hard copy to members who do not have email or have requested email not be sent.

Be sure to visit the chapter website at: asmeasternvirginia.tripod.com

Technical Seminar**

Welding of Aluminum for Engineers

by: Mr. Randy Kissell, P.E.

Wednesday
April 29, 2015

8:00 AM - 4:00 PM

The Apprentice School
3101 Washington Ave.
Alumni Room, 1st Floor
Newport News, VA 23607

Reservations: Register by
Friday, April 24, 2015

** 8 PDH credits will be awarded to each attendee upon successful completion of this course
About the Seminar:

Welding of aluminum is not like welding steel. This seminar will address questions like, is welding aluminum difficult or just different, and how can trouble be avoided when designing or specifying aluminum welds?

The items to be discussed include:

- 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.

Registration:

The deadline for registrations is April 24, 2015. Register by using the enclosed form, or by going to [asmeeasternvirginia.tripod.com](http://asmeeasternvirginia.tripod.com) and selecting the Welding Seminar page. Student substitution is allowed, but no refunds will be given unless the course is cancelled.

Cost:

The seminar cost is $495 for ASM members and $545 for non-members before April 15, 2015. After April 15 the price will be $645 for ASM members and $695 for non-members.

Please help us publicize this event by printing the enclosed poster and displaying it at your place of work.

Driving Directions from Richmond Area:

Heading East on I-64:
1. Take exit 264 toward I-664 South Downtown/Newport News Suffolk/Chesapeake
2. Continue 4.6 miles to exit 6 toward Newport News/Marine Terminal
3. Merge onto 26th Street and continue 0.4 miles
4. Turn right onto Washington Avenue
5. Continue 0.3 miles with 3101 Washington Avenue on your left
6. Parking is South of Apprentice School between 31st and 30th Streets and Washington and West Avenues
Upcoming Events:

March: Plant tour of Commonwealth Galvanizing in Ashland, VA  
(Joint Meeting with ASME in Richmond)
April: Equilibrium Phase Diagrams* (Williamsburg)
May: Spring Social: All You Can Eat at Bottoms Up Pizza (Joint 
Meeting with ASME in Richmond)

* 1 PDH credit will be awarded for each technical presentation

Chapter Officers:

Chairman: Jeff Wiese  
wiese@NLEng.com

Vice Chairman: Open Position

Secretary: Kurt Thompson  
kurthomps@aol.com

Treasurer: Don Geisler  
drgeisler@verizon.net

Program Chair: Steve Gentz  
steven.j.gentz@nasa.gov

Web Master: Jim Hurst  
bricks59@cox.net
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

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:

asmeeasternvirginia.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: __________

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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:

asmeeasternvirginia.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)
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Who Should Attend:

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

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Welding of Aluminum for Engineers

Presented By
Eastern Virginia Chapter

April 29, 2015
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Newport News, Virginia

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or contact Kurt Thompson at kurtthomps@aol.com or 804-795-1430

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