

WRC-EUROWELD Conference WELDING and CONSTRUCTION for HYGIENIC PROCESS EQUIPMENT - Pharmaceutical, Biotech, Semiconductor, Personal Care, Food, Beverage and Dairy Processing-

With appreciation to the following cooperating organizations:

3-A Sanitary Standards

Nickel Institute

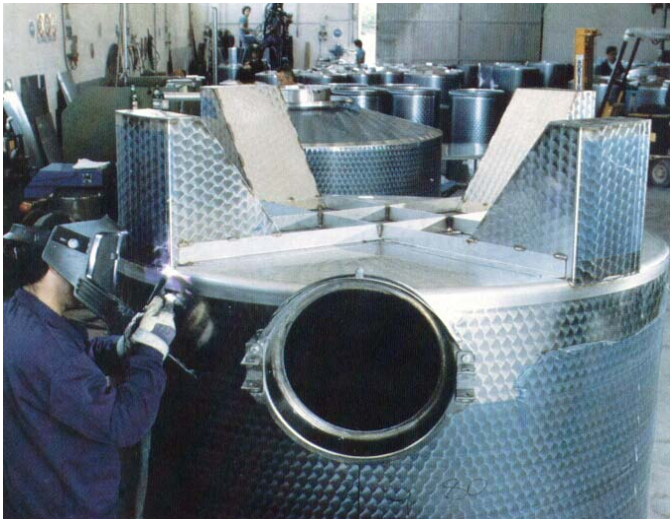
Materials Technology Institute

ASME BPE

Fabrication of high alloy materials for hygienic processing equipment requires special knowledge, facilities, techniques and precautions to meet stringent quality and performance requirements. The surface conditions, corrosion resistance, cleanliness and passivity expected of these alloys will not be obtained if they are not treated with attention to every detail. Join WRC-EUROWELD and a team of internationally known welding and fabrication specialists at the world famous JW Marriott in the "new" New Orleans- at the famous French Quarter- for the full story. See and hear about the 'state-of-the-art' in welding technology for high alloys as applied in diverse hygienic industry situations. You will obtain the practical information needed for selection, specification and economical utilization of low carbon corrosion resistant (304L, 316L) and high molybdenum stainless steels as well as duplex stainless steels and nickel-base alloys.

The Conference has been organized by those involved in the hygienic industry for those involved in the welding and construction of hygienic process equipment. The slate of expert speakers will report on the principles and latest technologies you need for assuring high quality products. There will be ample time for questions after each presentation and also for more detailed discussions during informal sessions.

Avoid errors in consumable and material selection, specifying welding procedures and thermal processing. Understand complex materials such as duplex alloys and where to use 6% molybdenum stainless. Where they are absolutely needed! Save money by choosing the right alloy for the right job. The team of welding specialists assembled by WRC from industry for this conference embodies a vast array of welding experience that you can share. Topics include process selection, orbital welding, health and safety concerns, post welding surface control, effects of heat tint, dissimilar metal welding, NDT, optimizing weld corrosion resistance and saving money on material procurement,



Ample question and answer periods will follow each presentation. There will be a Networking Reception at the conclusion of the Tuesday afternoon session.

There will also be group lunches on Tuesday and

Wednesday. A volume containing the presentations of the speakers will be given to each attendee.

The latest knowledge will be presented in clear and concise terms so attendees may apply it to deal with their high cleanliness equipment applications. Welding, corrosion, manufacturing and metallurgical engineers involved in semiconductor, pharmaceutical, biotech, personal care, beverage, food and dairy processing industries will directly benefit. Also, those joining high alloys and stainless steels will find the technology covered valuable.

This conference continues a series of EUROWELD- WRC problem solving meetings. The Welding Research Council (WRC) has been a key source of information on welding, heat treatment, fabrication and repair technology for over sixty years. Its Committees on Stainless Steel and High Alloy Welding have organized this unique 2-1/2 day conference to present new and practical information.

To facilitate discussions with specialists in the field on Tuesday and Wednesday, exhibition space has been arranged adjacent to the Conference room. To display there contact wrc@forengineers.org

WRC-EUROWELD Conference

WELDING and CONSTRUCTION for HYGIENIC PROCESS EQUIPMENT

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3-A SANITARY STANDARDS

NICKEL INSTITUTE

MATERIALS TECHNOLOGY INSTITUTE

ASME BPE

February 10-12, 2009
JW Marriott -at the French Quarter- New Orleans
614 Canal Street, New Orleans LA, 70130

The meeting format will include opportunities for discussion and problem solving as well as question-and-answer periods. Attendees are encouraged to submit their questions in advance to wrc@forengineers.org.

Tuesday, February 10, 2009

SESSION 1 (AM): Hygienic Industry Materials-A

- Key Note – *A User's Perspective on Purchasing Hygienic Equipment*, **William Roth**, P & G
- *What the Hygienic Industry Encompasses*, **Richard Avery**, Nickel Institute
- *Choosing the Type of Stainless Steels for Hygienic Process Equipment* **Dr. James Fritz**, Outokumpu
- *Fundamentals of Duplex Stainless Steels* **Dr. John Grubb**, Allegheny Ludlum
- *The NiCrMo Alloys – What They Are and How to Weld Them*, **Donald Tillack**, Nickel Institute

SESSION 2 (PM): Hygienic Industry Materials-B

- *6% Mo Superaustenitic Stainless Properties and Fabrication* **Dr. John Grubb**, Allegheny Ludlum
- *Welding Duplex Stainless*, **William F. Newell**, Euroweld
- *Wire Surface Condition Impacts Hot Wire Weld Quality*, **Harry Wehr**, Arcos Company
- *Welding and Fabrication of Vessels for Hygienic Services* – **Chris Trumbull**, Paul Mueller Co.
- *Orbital Welding of Tubing and Pipe for Hygienic Applications*, **Dr. Barbara Henon**, Arc Machines

Everyone Is Invited to A Networking Reception Following Tuesday Afternoon Session

Wednesday, February 11, 2009

SESSION 3 (AM): Welding and Fabrication

- *Application of GMAW Process Variations for Hygienic Equipment* – **Lori Kuiper**, Euroweld –
- *Dissimilar Metal Welding*, **Donald J. Tillack**, Nickel Inst.
- *Understanding Today's Welding Fume Control Methodology's*, **Richard D. Smith**, Lincoln Electric Co,
- *Root side Pipe Purging for Welding: Methods and Control*, **Fred Schweighardt**, Air Liquide
- *Dealing with Smoke and Fume – Methods and Personal Protection Options*, **Phil Redding**, 3M Occupational Health and Environmental Division

SESSION 4 (PM): Surface Finish and Corrosion

- *Improving Surface Characteristics through Mechanical Polishing and Electropolishing* – **Kenneth Kimbrel**, UltraClean EP Inc
- *Weld Heat Tint: Acceptable Limits and Affect on Corrosion*, **Richard E. Avery**, Nickel Institute
- *Effects of Environmental and Metallurgical Variables on the Corrosion of Stainless Steels*, **Dr. James Fritz**, Outokumpu
- *NDT and Borescope Inspection of Tubing for Hygienic Services*: **Dr. Richard D. Campbell**, Bechtel Corp.

Thursday, February 12, 2009

SESSION 5 (AM): Production and Procurement

- *Clients/Users helping constructors to do a good job on projects*, **Mike Lang**, United Assoc. Local 501,
- *Weld Metal Procurement for Special Filler Metals*, **Roger Swain**, Euroweld
- *Clean Room Applications for Orbital Welding*, **Rene Zurburg**, Liburdi-Dimetrics
- *Panel Discussion-Alloy Selection, Welding, Corrosion*
- *Conference Wrap-up*, **Dr. Martin Prager**, Welding Research Council Inc.,



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CONFERENCE REGISTRATION
Registration Fees-Send to WRC as shown below

Check one and take the discount if it applies to your organization: Group discount prices available on request

- \$700 Early bird for members of WRC and cooperating organizations, before January 5, 2009 **
 \$825 Early bird for all others before January 5, 2009 **
 \$850 Members of WRC and cooperating organizations after January 5, 2009 **
 \$950 All others after January 5, 2009 **
 \$990 All on-site

**** Call 216-658-3847 if needed to determine qualification for this price and group rates .**

Conference Registration (Use a separate form for each attendee). Please type or print clearly.

Date: _____ Name: _____

Title: _____ Company: _____

Street/P.O. _____

City, State/Province: _____

Zip/Postal Code: _____ Country: _____

Phone _____ Fax _____ E-mail: _____

_____ American Express _____ Mastercard _____ Visa

Credit Card No.: _____ Expiration Date: _____

Cardholder Name: _____

Credit Card Billing Address (Must Include Zip Code): _____

Signature: _____

The registration fee includes conference notes. In addition, there will be continental breakfasts (3), lunches (2) and a networking reception.

Return completed form with check or credit card information to (DO NOT send to hotel):

Welding Research Council Inc. P.O. Box 201547 Shaker Heights, OH 44120-8109
Telephone 216-658-3847 Fax 216-658-3854
e-mail: bulletinsales@forengineers.org

Cancellation Policy

Before January 5, 2009, no charge
Between January 5 & February 2, \$250 charge
After February 2, no refund

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504-525-6500

You can most conveniently make your reservation for WRC 's group rates by "control clicking " on an electronic version of this page either of the links of shown below which automatically access Marriott's WRC room block.

[JW Marriott Hotel New Orleans >>](#)

Or

<http://www.marriott.com/hotels/travel/msyiw?groupCode=wrhwrha&app=resvlink&fromDate=2/7/09&toDate=2/12/09>

HOTEL RESERVATIONS

(Marriott Code wrhwrha)

Please reserve ____ room(s) at the JW Marriott New Orleans as follows:

Name: _____ No. in Party: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____ Country _____

Phone Number: _____

Arrival Date: _____ Time: _____ Departure Date: _____

WRC Discount Rate: \$179.00 + Tax

Guaranteed by: First Night Deposit Check _____ (mark X if enclosed) or indicate Credit Card, below:

_____ American Express _____ Mastercard _____ Visa _____ Diners Club

_____ Discover _____ Carte Blanche _____ Other _____

Credit Card No.: _____

Expiration Date: _____

Cardholder Name: _____

Credit Card Billing Address (WITH Zip Code): _____

Signature: _____

WRC's room block remains open for reservations until **January 16, 2009**.
Cancellations must be received
72 hours prior to arrival.

SEND THIS FORM TO HOTEL ONLY
IF YOU DO NOT MAKE AN
ELECTRONIC RESERVATION.