

## FABTECH International & AWS Welding Show Forms Alliance with METALFORM

Four trade show organizers have recently formed an alliance to better serve the needs of trade show exhibitors and manufacturers in North America from the fields of fabricating, tube and pipe, welding and cutting, metalforming, and related processes.

The show alliance between the three organizers of the FABTECH International & AWS Welding Show [the Society of Manufacturing Engineers, the Fabricators and Manufacturers Association International, and the American Welding Society (AWS)] and the organizer of METALFORM [the Precision Metalforming Association (PMA)] will result in a combined annual exhibition.

"AWS is pleased that METALFORM will join with the FABTECH International & AWS Welding Show," said Ray Shook, AWS executive director. "Metalforming companies are major customers of the welding and cutting industries. We're confident this alliance will add significant value for both exhibitors and attendees."

The first official combined exhibition will take place in November 2009 in Chicago, Ill., but the partners have agreed to a soft start at the 2008 FABTECH International & AWS Welding Show, to be held October 6-8 at the Las Vegas Convention Center, Las Vegas, Nev. This year's show will include a METALFORM pavilion, displaying innovations in stamping technology.

The 2009 show is expected to cover 650,000 net sq ft with 1300 exhibiting companies. Additionally, FABTECH International, AWS, and PMA will also conduct independent, but complementary, professional conferences and technical education programs during this show. In 2010, the FABTECH International & AWS Welding Show and METALFORM event will be held November 2-4 in Atlanta, Ga.

## Navy Metalworking Center Innovation Approved for Use on Navy's Next-Generation Aircraft Carriers

A material processing innovation developed through a Navy Metalworking Center (NMC) project has been incorporated into the design of the *USS Gerald R. Ford* (CVN 78), the lead ship in the Navy's new class of aircraft carriers. The project was funded by the Office of Naval Research's Manufacturing Technology Program.

The goal is to reduce topside weight and lower the center of gravity on this ship. An initial solution using 10 Ni steel did not produce the intended results, so the Integrated Project Team, led by the center, increased the performance and strength of HSLA-100 steel through heat treatment.

Recently, the Future Aircraft Carriers Program Office approved the incorporation of HSLA-115 into the CVN 78 ship design conditional upon successful completion of the current project tasks. Ship construction is expected to begin next year.

By improving the processing and heat treatment of HSLA-115, the team increased yield strength without compromising weldability, toughness, survivability, and formability. The support of Mittal Steel USA was appreciated in the optimization of this alloy processing. The anticipated weight savings for this ship is estimated to be between 100 and 200 long tons.

The NMC project will continue through February 2010, first certifying a vendor that can produce the large HSLA-115 plates needed on CVN 78, then providing relevant data on further evaluation that are required for life-cycle management for this ship and future HSLA-115 applications.

## Welding Metallurgy Subsidiary of Air Industries Wins Major Contract

Air Industries Group, Inc., Bay Shore, N.Y., an integrated manufacturer of precision components and provider of supply chain services for the aerospace and defense industries, recently announced its Welding Metallurgy subsidiary has won a new contract valued at more than \$700,000. This has been received from GKN Aerospace of Alabama for helicopter welded assemblies over a multiyear period.

In addition, to accommodate the elevated level of business activity and in anticipation of future growth opportunities, Welding Metallurgy has relocated to a 25,000-sq-ft facility in Hauppauge, N.Y.

Publisher *Andrew Cullison*

### Editorial

Editor/Editorial Director *Andrew Cullison*  
Senior Editor *Mary Ruth Johnsen*  
Associate Editor *Howard M. Woodward*  
Assistant Editor *Kristin Campbell*  
Peer Review Coordinator *Erin Adams*

Publisher Emeritus *Jeff Weber*

### Graphics and Production

Production Manager *Zaida Chavez*  
Senior Production Coordinator *Brenda Flores*

### Advertising

National Sales Director *Rob Saltzstein*  
Advertising Sales Representative *Lea Garrigan Badwy*  
Advertising Production Manager *Frank Wilson*

### Subscriptions

*acct@aws.org*

### American Welding Society

550 NW LeJeune Rd., Miami, FL 33126  
(305) 443-9353 or (800) 443-9353

### Publications, Expositions, Marketing Committee

D. L. Doench, Chair  
*Hobart Brothers Co.*  
T. A. Barry, Vice Chair  
*Miller Electric Mfg. Co.*  
J. D. Weber, Secretary  
*American Welding Society*  
R. L. Arn, *WELDTech International*  
S. Bartholomew, *ESAB Welding & Cutting Prod.*  
J. Deckrow, *Hypertherm*  
J. Dillhoff, *OKI Bering*  
J. R. Franklin, *Sellstrom Mfg. Co.*  
J. Horvath, *Thermadyne Industries*  
D. Levin, *Airgas*  
J. Mueller, *Thermadyne Industries*  
R. G. Pali, *J. P. Nissen Co.*  
J. F. Saenger Jr., *Consultant*  
S. Smith, *Weld-Aid Products*  
D. Wilson, *Wilson Industries*  
J. C. Bruskotter, Ex Off., *Bruskotter Consulting Services*  
H. Castner, Ex Off., *Edison Welding Institute*  
L. G. Kvidahl, Ex Off., *Northrup Grumman Ship Systems*  
G. E. Lawson, Ex Off., *ESAB Welding & Cutting Prod.*  
E. C. Lipphardt, Ex Off., *Consultant*  
S. Liu, Ex Off., *Colorado School of Mines*  
C. Martin, Ex Off., *Phoenix International*  
E. Norman, Ex Off., *Southwest Area Career Center*  
R. W. Shook, Ex Off., *American Welding Society*

Copyright © 2008 by American Welding Society in both printed and electronic formats. The Society is not responsible for any statement made or opinion expressed herein. Data and information developed by the authors of specific articles are for informational purposes only and are not intended for use without independent, substantiating investigation on the part of potential users.

