

FABTECH International & AWS Welding Show

General Attendance Information

Convention Center

McCormick Place
2301 South Lake Shore Drive
Chicago, IL 60616

Show Hours

Sunday, November 11
11:00 a.m.–4:00 p.m.

Monday, November 12
9:00 a.m.–5:00 p.m.

Tuesday, November 13
9:00 a.m.–5:00 p.m.

Wednesday, November 14
9:00 a.m.–3:00 p.m.

Registration Hours

Sunday, November 11
9:30 a.m.–3:00 p.m.

Monday, November 12
8:00 a.m.–4:00 p.m.

Tuesday, November 13
8:00 a.m.–4:00 p.m.

Wednesday, November 14
8:00 a.m.–2:00 p.m.

Show Visitor Age Requirements

The FABTECH International & AWS Welding Show is a trade event and open only to industry professionals. No one under 16 will be admitted.

Student Registration

Technical students are welcome at the Exposition. Guidelines for instructors and students can be found on the Web at www.fmafabtech.com/Attendees/Student-Attendance.cfm. Questions about student registration should be directed to the show's registrar:

Lori Poole
(313) 425-3147
FAX: (313) 425-3407
Email: lpool@sme.org

Transportation from Chicago O'Hare International Airport

There are a number of ways to get to and from O'Hare International Airport, which is located just 17 miles northwest of downtown Chicago. Most ground transportation access areas are located at the main entrance for each terminal.

Taxi—Taxicabs are available on a first-come, first-served basis from the lower level curbside of all terminals. Shared ride service is available. There are no flat rates because all taxicabs run on meters. Expect to spend approximately \$35 to \$40 for a taxicab ride to downtown Chicago. For wheelchair-accessible vehicles, please call United Dispatch at (800) 281-4466.

Limo Services—Approximate cost is \$100 to downtown Chicago.

Airport Express Shuttle Service—Provides transportation to/from the Hyatt Regency McCormick Place Hotel (which is connected

to the convention center) at a service fee. For more information please contact Airport Express at (888) 284-3826 or on the Web at www.airportexpress.com.

RTA—The Regional Transportation Authority (RTA) manages the 3 public transit operations in northeastern Illinois: The Chicago Transit (CTA), Metra commuter rail, and Pace suburban bus. For information on routes and schedules, contact the RTA via its Website at www.rtachicago.org or call the Transit Information Hotline at (312) 836-7000.

Parking

McCormick Place has two parking garages, one located near the South Building and one located in Lakeside Center. The current charge is \$16 per day regardless of the length of stay. The Hyatt Regency McCormick Place Hotel, which is connected to the convention center, also has a parking garage with an hourly rate. You may contact them at (312) 567-1234 for details. Handicap-accessible parking is available in Lot A (located on Martin Luther King Drive), Lot C (located underground in Lakeside Center), and the Hyatt Regency McCormick Place parking garage.

Hotel Information

The Chicago Hilton & Towers has been selected as the AWS Headquarters for the 2007 FABTECH International & AWS Welding Show.

Below are all participating hotels. Shuttle service between the hotels and the convention center will be available only from these hotels.

Hotels

Free shuttle service between the hotels and the convention center will be available only from these hotels.

Best Western Inn Chicago
Conrad Chicago
Courtyard by Marriott Downtown
Courtyard by Marriott Chicago Mag. Mile
Embassy Suites Chicago Downtown
Embassy Suites Lakefront
Essex Inn
Fairmont Hotel
Hard Rock Hotel
Hilton Chicago
Hilton Garden Inn
Hyatt Regency Chicago
Hyatt Regency McCormick
Intercontinental Chicago
Marriott Downtown Mag. Mile
Palmer House Hilton
Sheraton Chicago
Wyndham Chicago

Make hotel reservations online from any of the show sponsors' Web sites, or call the FABTECH International & AWS Welding Show housing agency at (800) 974-9833 or (847) 282-2529 (outside the U.S.) Monday–Friday, 8:00 AM – 5:00 PM CST.

Directions to McCormick Place (Parking Lot A)

FROM O'HARE INTERNATIONAL AIRPORT, NORTHWEST OR THE NORTH: Follow I-190 East to I-90 East. This turns into I-90/94 East (Dan Ryan Expressway). Keeping to the right, follow to I-55 North (Stevenson Expressway). Exit at Martin L. King Drive (Exit #293D) and follow signs to Lot A.

FROM THE WEST: Take I-290 East (Eisenhower Expressway) to I-94 East (Dan Ryan Expressway). Keeping to the right, follow to I-55 North (Stevenson Expressway). Exit at Martin L. King Drive (Exit #293D) and follow signs to Lot A.

FROM MIDWAY AIRPORT OR SOUTHWEST: Take I-55 North (Stevenson Expressway). Exit at Martin L. King Drive (Exit #293D) and follow signs to Lot A.

FROM THE SOUTH OR INDIANA via I-80/94: From I-80/94, exit at I-94 West (Bishop Ford Expressway) and proceed on I-94 West (Dan Ryan Expressway). Follow to I-55 North (Stevenson Expressway). Exit at Martin L. King Drive (Exit #293D) and follow signs to Lot A.

FROM INDIANA-SKYWAY: Take I-90 West (Indiana Tollway turns into the Chicago Skyway). Merge onto I-90/94 West (Dan Ryan Expressway). Exit at I-55 North (Stevenson Expressway). Exit at Martin L. King Drive (Exit #293D) and follow signs to Lot A.

FROM NORTH LAKE SHORE DRIVE (US-41): From Lake Shore Drive, exit at 31st St. and turn right (West). Turn right again on Martin L. King Drive and follow signs to Lot A.

FROM SOUTH LAKE SHORE DRIVE (US-41): From Lake Shore Drive, exit at 31st St. and turn left (West). Turn right on Martin L. King Drive and follow signs to Lot A.

FROM CONGRESS PARKWAY: From Congress Parkway, turn right onto Michigan Ave. Proceed South to Cermak Rd. (E. 22nd St.). Turn left on Cermak Rd. Then turn right immediately onto Prairie Av. and follow signs to Lot A.

See Chicago

After show hours, enjoy your stay in Chicago, a world-class destination that offers something for every taste and every budget, whether it's spectacular live theatre, energetic nightclubs, or awe-inspiring architecture. For information on what to see and do in Chicago, log on to www.meetinchicago.com.

AWS Special Events

Sunday, November 11

11:00 a.m.

FABTECH INTERNATIONAL & AWS WELDING SHOW OPENING CEREMONY

A short, symbolic ceremony opens the FABTECH International & AWS Welding Show, the largest trade show and educational conference for the metal forming, fabricating, and welding industries.

AWS PROFESSIONAL WELDERS COMPETITION

Competition Hours:

Monday, November 12

9:30 a.m.–12:30 p.m. and 1:30 p.m.–4:30 p.m.

Tuesday, November 13

9:30 a.m.–12:30 p.m. and 1:30 p.m.–4:30 p.m.

Show Floor of North Building

Awards Ceremony

Wednesday, November 14

10:00 a.m.

Booth 39051

**Winners will be announced at the awards ceremony.
(Winners need not be present.)**

The Professional Welders Competition Committee sponsors the competition, and welcomes the assistance of Indiana Section 27.

Professional welders will compete on the show floor for a grand prize of \$2,500, as well as a \$1,000 second prize and a \$500 third prize. The welding procedure involves welding a 3 x 3 x 3/8-inch angle to a 1/4 x 6 x 6-inch horizontal plate using shielded metal arc welding (SMAW). Each participant will set his/her own current and voltage prior to welding and must clean the weldment following welding to prepare for the inspection process. Competitors will have five minutes to create a single-pass 5/16-inch fillet weld using 5/32-inch E7018 electrode on low-carbon steel. The contest will be judged by a team of AWS Certified Welding Inspectors using the criteria in AWS D1.1, Structural Welding Code — Steel, and verified using automated inspection equipment.

Competitors must be at least 19 years old, sign a form stating that they are professional welders, and pay a \$10 entry fee. You may bring your own helmet, protective clothing, earplugs, etc., or use those provided at the competition site. Registration will take place at the Professional Welders Competition booth on the show floor in the North Building between 12:30 and 4:30 PM on Sunday, November 11, or Monday and Tuesday, November 12 and 13, during the competition. Note: Registration for the exposition is required to gain admittance to the show floor.

For more information about the Professional Welders Competition, including complete competition rules and safety rules, please visit www.aws.org/competition.

Monday-Tuesday, November 12-13

9:00 a.m. – 5:00 p.m.

Co-sponsored by SME and FMA

North Building • Free • Registration Code: J1

JOB FAIR AND WORKFORCE DEVELOPMENT PAVILION

Whether you're a veteran professional or a student just entering the workforce, the Job Fair & Workforce Development Pavilion will give you an excellent opportunity to meet with representatives of companies seeking prospective employees. Learn about the jobs these companies offer, and perhaps even have a personal interview. When you visit the pavilion, please dress appropriately and bring your résumé.

While at the pavilion, you'll also want to visit employment service providers who will be on hand to offer their support and assistance in workforce development and other employment-related opportunities.

Monday, November 12

8:00 a.m. – 9:00 a.m.

LEADERSHIP SUMMIT: ADDRESSING THE SHORTAGE OF SKILLED WORKERS IN U.S. MANUFACTURING

The shortage of skilled workers has been a cause for stress for businesses across America and in many parts of the world. A retiring workforce that makes up about half of the industry today, coupled with a lack of young people entering the fabrication and welding fields, has created an extremely challenging production environment for manufacturers. Media reports across the country document regional shortages that are forcing employers to take unprecedented measures to complete projects. Consequences of the skills shortage can be severe operationally and are already emerging across several critical industries where fabrication and welding employees are integral to the manufacturing and construction fields. This provocative summit will join together, for the first time, key representatives from our nation's capital and manufacturing sector, who will reveal relevant strategies and long-term approaches to building a competitive manufacturing workforce in a challenging recruiting environment. This is a must-attend event for anyone involved with operations or production in the manufacturing industry.

Moderator: David Hanson, Commissioner, Mayor's Office of Workforce Development, Chicago
Since 2005, David Hanson has served as Commissioner of the City of Chicago Mayor's Office of Workforce Development. He also serves as co-chair of the Chicago Manufacturing Renaissance Council (CMRC), has worked on initiatives to help provide businesses with assessment of workforce needs, to expand training beyond conventional city college programs toward more industry-specific certifications, and has brought about an alignment of local education and training.

Panelist: Anthony Swoope, Administrator, Office of Apprenticeship Employment and Training Administration, U.S. Department of Labor
Anthony Swoope became Administrator of the Office of Apprenticeship in 1999 with the reorganization of the Employment and Training Administration. He has held positions as the Director of the Bureau of Apprenticeship and Training, Ohio State Director, as an Apprenticeship and Training Representative, an Apprenticeship Instructor at Owens Technical College, and Director of the Akron Urban League's Apprenticeship Outreach Program. A native of Akron, Ohio, Anthony graduated from the Sheet Metal Apprenticeship Program and received his formal education from the University of Akron and the University of Toledo.

Panelist: Dan Swinney, Executive Director, Chicago Manufacturing Renaissance Council
Dan worked for 13 years as a machinist in the Chicago area. He organized Steelworker Local 8787 at G+W Taylor Forge in Cicero, Illinois, and served as vice president. In 1982 he founded the Center for Labor and Community Research (CLCR), a not-for-profit consulting and research organization that specializes in developing innovative and effective approaches to community and business development, industrial job retention, and workforce education. Dan also directs the Chicago Manufacturing Renaissance Council (CMRC), a federation of business, labor, educational, and governmental leadership that provides oversight and coordination of a variety of manufacturing workforce projects. In addition, Dan serves as Project Manager for Chicago's Austin Polytech Academy. Dan earned his B.A. degree from the University of Wisconsin.

Panelist: Jim Reeb, Director of Manufacturing R & D, Caterpillar
Over his 33-year career, Jim has managed all functions within Operations, Logistics and Procurement and managed product engineering groups who design powertrain components. Currently he is responsible for the development and deployment of Manufacturing Processes and Technology. Jim is also the Global Process Owner for Manufacturing Engineering, Manufacturing Production Execution, and Manufacturing Support Process. He has completed a 4-year manufacturing apprentice program and earned a bachelor's degree from the University of St. Francis, and an MBA from Governors State University.

9:00 a.m.

AWS OPENING SESSION & ANNUAL BUSINESS MEETING

During the AWS Opening Session and 88th Annual Business Meeting, 2007 AWS President Gerald D. Utrachi will give the Presidential Report and Gene E. Lawson will be inducted as AWS President for 2008. Following the induction, the 2007 Class of AWS Counselors and Fellows will also be introduced. This meeting is open to all AWS Members and Show registrants.

10:30 a.m. – 11:30 a.m.

COMFORT A. ADAMS LECTURE Room S404

A New Path to Probe Weld Microstructure Evolution Using Synchrotron Radiation

Dr. John W. Elmer, Acting Program Element Leader, Stockpile Materials and Joining in the Chemistry & Materials Science Directorate of Lawrence Livermore National Laboratory, is this year's Adams Lecturer. The Comfort A. Adams Lecture is named after the Founder and First President of AWS. This annual lecture is made by an outstanding scientist or engineer, honored by the AWS Board of Directors.

11:15 a.m.

IMAGE OF WELDING AWARD CEREMONY Room S504 a, b, c

Join the Image of Welding Committee (a subcommittee of the Welding Equipment Manufacturers Committee) and special guests as they recognize the individuals and organizations that have excelled in promoting the image of welding in their communities. Invitation only.

6:30 p.m. – 8:00 p.m.

Chicago Hilton & Towers Hotel International Ballroom AWS OFFICERS/PRESIDENT'S/COUNTERPARTS RECEPTION

This reception is held annually during the Show and is open to all registrants. Take advantage of this opportunity to meet the AWS Officers, and network with members and prospects. A complimentary hors d'oeuvres buffet is included, along with a cash bar. Evening business attire, please.

Tuesday, November 13

2:00 p.m. – 3:00 p.m.

AWS NATIONAL NOMINATING COMMITTEE – OPEN MEETING Room S504 b, c

AWS Members are requested to submit their recommendations for National Officers to serve during 2009. Nominations must be accompanied by 16 copies of biographical material on each candidate, including a written statement by the candidate as to his/her willingness and ability to serve if nominated and elected.

9:00 a.m. – 11:00 a.m.

Free • Registration Code: W88

END USER FORUM Room S504 b, c

Speakers: John Matthews, Senior Welding Engineer, Welding and QA Technology, CB&I, Plainfield, Ill.; Guy Mulee, Manufacturing Engineering Manager, Baldor Dodge Reliance, Clio, S.C.; Mark Combs, President, Combs Welding Design, Inc., Winter Haven, Fla.

Like most welding professionals, most of your time is spent dealing with the "big picture": aligning company goals, motivating and keeping staff, and meeting customer needs. Every once in a while, it's important to step away from the daily routine and get rejuvenated through exposure to new thinking and dialogue with your peers.

This forum has been created to bring together the end-user welding community for a one-of-a-kind, content-rich productivity learning experience. The session will allow you to engage in provocative discussions with your peers, away from the office or shop floor.

Presenters will cover real-life productivity issues, including:

- Mechanizing field welding procedures and the use of incentives to enhance welding productivity for field construction.
- Overview of a contracting strategy for new construction and maintenance work at a large manufacturing and research facility as it transitions from a self-performing to a majority contracting organization.

- What one welding shop has done to increase its throughput and efficiency.
- How contractors are qualified, HSE requirements, quality control, and project management.
- What a small job shop has done to eliminate its reliance on suppliers, to be more competitive and responsive to its customers.

11:00 a.m. – Noon

FREE

GLOBAL IMPROVEMENT OF LIFE THROUGH WELDING
Room S504 b, c

Chris Smallbone, president of IIW (International Institute of Welding), will address IIW's vision of improving human conditions worldwide through welding technology, as well as the need for international bodies to cooperate for the benefit of developing nations, nations with economies in transition, and developed nations. Successful models used in various countries, particularly for technology diffusion, education and training, the use of appropriate technologies, and conformity assessment, will be shown to be of benefit in meeting global challenges.

Noon–1:30 p.m.

Price: \$30 for members and nonmembers
AWS AWARDS/AWS FOUNDATION RECOGNITION CEREMONY AND LUNCHEON
Room S503 b

The first AWS award, the Samuel Wyllie Miller Memorial Medal, was presented to Comfort A. Adams in 1927. As the Society and the industry it serves have grown, so has the need to recognize outstanding scientists, engineers, educators, and researchers. Join an assembly of distinguished award presenters, recipients, and guests for a well-paced ceremony and a delicious lunch. The cost for attending the ceremony and luncheon is \$30, and it is open to all registrants. You must register for this event separately from the full Show program. Tickets will also be available at the door.

1:00 p.m. – 5:00 p.m.

Registration Code: W89
INTRODUCTION TO THERMAL SPRAY COATING PROCESSES
Room S404 b, c

Thermal Spray Seminar

Instructors: Frank Hermanek and Ed Simonds
 From the application of zinc and aluminum to steel structures and the protection of welds on galvanized and aluminized steel, to the application of stainless steel to pump and valve components that will see chemical exposure, thermal spray has broad application in protecting a range of substrates from corrosion.

The seminar will present a three-part overview of these thermal spray coating processes:

- Molten metal flame spraying
- Powder flame spraying
- Wire flame spraying
- Ceramic rod flame spraying
- Detonation flame spraying
- High velocity oxyfuel spraying (HVOF)
- Cold spraying
- Plasma spraying
- Electric arc spraying
- RF plasma spraying

Wednesday, November 14

7:45 a.m.– 8:45 a.m.

PRAYER BREAKFAST **Room S503 a**

Lift your spirits with fellowship, a good breakfast, and a prayer in this nondenominational gathering. The cost for attending the breakfast is \$20, and is open to all registrants. For advance reservations, register online at www.aws.org/show and click on the "Register" button. You must register for this event separately from the full Show program. Tickets will also be available at the door.

10:00 a.m.

R. D. THOMAS, JR., INTERNATIONAL LECTURE
Room S404 b, c

(American Council of IIW meeting immediately following lecture at 10:30)

The Need for Common Standards in a Global Economy
 Dr. David Shackleton, Chair of IIW Select Committee on Standardization, and President, ISO3834.com Ltd., is this year's lecturer. The R. D. Thomas, Jr., International Lecture award was created to honor R. D. Thomas, Jr., for his participation in IIW/ISO activities and is presented by AWS to an individual who is also involved in IIW/ISO international activities. The recipient is invited to deliver a lecture that illustrates the incorporation of global studies in the standardization of welding technology during the AWS Welding Show and at the Annual Assembly of the IIW.

Society Free Events

All free events. Plummer Lecture is part of the full Education Program on the registration form, but there is no charge.

Monday, November 12

10:30 a.m. – 11:30 a.m. **Room S404**

Comfort A. Adams Lecture

A New Path to Probe Weld Microstructure Evolution Using Synchrotron Radiation

Tuesday, November 13

10:00 a.m. – 11:30 a.m. **Room S404 a**

Plummer Memorial Education Lecture

Observations from 40 Years of Welding Training

11:00 a.m. – Noon

Room S504 b, c

Global Improvement of Life through Welding

Wednesday, November 14

10:00 a.m. – 10:30 a.m. **Room S404 b, c**

R. D. Thomas, Jr., International Lecture

The Need for Common Standards in a Global Economy

10:30 a.m. (immediately following R. D. Thomas , Jr. Lecture) **Room S404 b, c**

American Council of IIW Meeting