CONFDERENCE PREVIEW

INTERNATIONAL BRAZING AND SOLDERING TECHNOLOGY CONFERENCE PREVIEW

Recognized by industry professionals as the world’s premier event for the brazing and soldering community, this three-day conference features a comprehensive technical program plus valuable networking, pre-conference educational programs, and exhibits.

This conference will provide the information you need to move your technology forward. It begins with two Plenary Sessions dealing with industry challenges, and these are followed by two and a half days of sessions discussing technology advances.

Plenary Session 1: Development of New Brazing Filler Metals

Recently, growing restrictions for alloys containing hazardous metals created an acute need to expand new brazing and soldering technologies. In this lecture, two exoships will be presented on progress in developments of filler materials: One involves applications in which drinking water is present, and the second describes new advantageous brazing filler metals containing magnesium.

Plenary Session 2: The Impact of “Green” Legislation Requirements on Soldering Technology Advancement

The electronics industry began undergoing a rapid materials evolution due to the restriction of Hazardous Substances (RoHS) European, the Registration, Evaluation, Authorization and Restriction of Chemical substances (REACH), and other legislative activities. This presentation will detail both the negative and positive aspects of the “Green” legislative requirement influence.

Topics of technical sessions
- Solderers and Soldering Technology
- Ceramics, Composite and Glass Joining Soldering Technology
- Filler Metals
- Design, Testing and Reliability of Joints
- Brazing Processes
- Brazing Fundamentals
- Light Metals Joining
- New Brazing Applications

For details about the sessions and times, visit http://www.aws.org/education/ibsc

COMPANY DESCRIPTIONS

Abbott Furnace Company (St. Marys, Pa.)
Booth #18 Abbott Furnace Company specializes in continuous furnace technology for sintering, heat treating, annealing, tempering and brazing. Technical innovations include ceramic muffles and belts, rapid cooling system and computerized controls. www.abbottfurnace.com

Aimetek, Inc. (Auburn, Mass.)
Booth #25 Aimtek is an award-winning, value-added manufacturer and global supplier of brazing and welding alloys. Established in 1973, Aimtek offers the most extensive selection of brazing alloys in the industry. www.aimtek.com

AirSep Corporation (Buffalo, N.Y.)
Booth #9 AirSep Corporation Commercial Products Division’s CSA and CE approved pressure swing absorption (PSA) oxygen generators eliminate the hazards and inconvenience of delivered liquid and cylinder oxygen for all brazing applications. www.airsSepcpd.com

American Welding Society (Miami, Fla.)
Booth #40 The American Welding Society (AWS) was founded in 1919 as a multifaceted, nonprofit organization with a goal to advance the science, technology and application of welding and related joining disciplines. www.aws.org

Ameritherm Inc. (Scottsboro, N.Y.)
Booth #8 Ameritherm manufactures solid state induction heating RF power supplies for brazing, soldering, heat treating, curing, shrink fitting, melting, heat staking and many other applications. www.ameritherm.com

Bellman-Melcor, LLC (Tinley Park, Ill.)
Booth #17 Bellman-Melcor is a global supplier or brazing and soldering solutions. We specialize in the fabrication and distribution of metal joining alloys – especially those based on silver, copper, aluminum, and soft solder. www.bellmanmelcor.com

Centorr Vacuum Industries, Inc. (Nashua, N.H.)
Booth #50 Centorr Vacuum Industries is a manufacturer of high performance vacuum brazing, heat treat, annealing, and co-firing furnaces for the Metals and Ceramics Industries. Furnace designs are available with metal or graphite hot zones for precision brazing of materials. www.centorr.com

EFD Induction, Inc. (Madison Heights, Mich.)
Booth #2 EFD Induction, with 20 locations worldwide, manufactures induction heating power units, complete turn key equipment systems, and tooling for brazing, soldering, heat treating, bonding, shrink fitting and numerous other applications. www.efd-induction.com

Eldec Induction (Auburn Hills, Mich.)
Booth #14 Eldec Induction is a pioneer in the latest induction heating technology and solutions. Induction heating is safer, yields more predictable results, and uses up to 70% less energy than conventional methods. www.eldec-usa.com

Fusion Inc. (Willoughby, Ohio)
Booth #3 Fusion has been providing automation solutions for manufacturers engaged in production brazing and soldering for nearly 50 years. Fusion takes a process approach to automating your application. The process consists of three key ingredients: Paste Alloys, Applicator Equipment, and Automatic Machines. www.fusion-inc.com

EXHIBITORS

as of 2/26/2009

BOOTH COMPANY LISTING

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25 *Aimetek, Inc.
9 AirSep Corporation
40 American Welding Society
8 Ameritherm Inc.
47 *Bellman-Melcor, LLC
50 Centorr Vacuum Industries, Inc.
2 *EFD Induction Inc.
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26 The Harris Products Group
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37 *Umicore Technical Materials NA
16 VAC Sales USA, LLC
13 Wolverine Joining Technologies

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SOLDERING CONFERENCE

Induction Atmospheres (Rochester, N.Y.)
Booth #24 Induction Atmospheres (IA) is the only independently owned industrial heating system integrator working solely with induction-based technology. We design and manufacture customized, turnkey induction heating systems for industrial brazing, welding, hardening and general-purpose heating. www.inductionatmospheres.com

Lucas-Millhaupt, Inc. (Cudahy, Wis.)
Booth #17 Lucas-Millhaupt, Inc., a Handy & Harman Company, an industry leader in metal-jointing products and technology, is your complete source for metal jointing products and services, such as alloys, fluxes, training and technical assistance with global reach from its facilities in the U.S., Canada, Europe, and Asia. www.lucasmillhaupt.com

Metglas, Inc. (Conway, S.C.)
Booth #20 Metglas Inc. is a subsidiary of Hitachi Metals America and is a worldwide leader in the production of amorphous metal brazing foils. Metglas Brazing Foils are a solution to produce virtually reject-free joints with high strength, and with superior resistance to corrosion and high temperature oxidation. www.metglas.com

Morgan Advanced Ceramics Wesgo Metals (Haguard, Calif.)
Booth #1 As a producer of braze alloys used in the Semiconductor, Aerospace, Medical, Electronic, Power Generation and Telecommunication markets, WESGO Metals can supply your precious and non-precious braze alloy needs. www.wesgometals.com

North American Hoganas (Johnstown, Pa.)
Booth #38 North American Hoganas is a leading supplier of metal alloy powders/products used in high temperature vacuum brazing. New iron chromium based brazing powders have recently been developed and will be presented at IBSC in Orlando. These low cost iron chromium based alloys were designed to lower the material costs without sacrificing the joint strength and corrosion properties of the existing nickel alloys. www.hoganas.com

Orton Ceramic Foundation (Westerose, Ohio)
Booth #19 The Orton Ceramic Foundation has recently introduced a new, easy to use product TempTab, to help heat treating and brazing operations benchmark their processes and verify temperature uniformity inside their furnaces, without interrupting production. www.tempatab.com

Precision Engineered Systems (Daytona Beach, Fla.)
Booth #11 Precision Engineered Systems in Daytona Beach is a capital equipment manufacturer of high-technology, automatic brazing and soldering machinery and a contract brazing services provider. Precision Engineered Systems builds the most technologically advanced brazing and soldering systems available anywhere. www.precisionsystem.com

Prince & Izant Company (Cleveland, Ohio)
Booth #6 The Prince & Izant Company is a leading manufacturer of brazing products and metal fabrications. We inventory over 800 products in a variety of forms including wire, rod, foil, paste and powder. We also carry a wide range of fluxes and other related products. www.princeizant.com

PVT Incorporated (Rapidsee, N.J.)
Booth #12 PVT Incorporated is a division of Consarc: Corporation, an Inductotherm Group Company. Our company offers a comprehensive service and product range for the following processes: Vacuum Heating Treatment and Brazing, Vacuum Induction Melting and Casting, and much more. www.pvtinc.com

Radyne Corporation (Milwaukee, Wis.)
Booth #28 Radyne Corporation designs and manufactures induction heating systems for silver and copper brazing and soldering and fluxless brazing of Stainless Steel, used for many applications including fuel rails and fuel lines from simple benchtop units to complete automated turnkey systems. www.radyne.com

Solar Atmospheres (Souardton, Pa.)
Booth #4 Solar Atmospheres, specializes in vacuum heat treating and brazing, process parts and assemblies up to 36 feet long. Vacuum brazing, one of the strongest bonding methods available for metal joining, results in a bright, clean assembly. www.solaratm.com

Solar Manufacturing (Souardton, Pa.)
Booth #15 With an eye on advancing hot zone design and furnace controls, improving energy efficiency and quench performance, Solar Manufacturing designs and manufactures production vacuum heat treating and brazing furnaces for the general heat treating industry. www.solarmgf.com

Sulzer Metco (US) Inc. (Westbury, N.Y.)
Booth #5 Sulzer Metco offers a complete portfolio of surface solutions: A broad range of thermal spray, thin film and other advanced surface technology equipment, integrated systems and materials; Specialized coating and surface enhancement services; Manufactured components for the turbine, automotive and other industries; and more. www.sulzermetco.com

Superior Flux & Mfg. Co. (Cleveland, Ohio)
Booth #39 Superior Flux manufactures fluxes for soldering brazing and welding. These products include: electronics wave soldering fluxes, solder pastes, and maintenance chemicals; industrial fluxes and pastes for aluminum, brass, copper, mild steel, stainless; and much more. www.superiorflux.com

The Harris Products Group (Mason, Ohio)
Booth #26 The Harris Products Group, a Lincoln Electric Company, is a world leader in the design, development and manufacture of cutting, welding, brazing and soldering equipment and consumables and gas distribution systems. www.harrisproducts.com

The Modal Shop, Inc. (Cincinnati, Ohio)
Booth #21 The Modal Shop Inc. provides nondestructive testing systems for 100% inspection of a wide range of brazed and soldered parts using the Resonant Acoustic Method (NDT-RAM) technique. www.modalshop.com

Umicor Technical Materials NA (Glens Falls, N.Y.)
Booth #37 Umicore-BrazeTec is a leading manufacturer of high-quality brazing alloys and brazing alloy and solder pastes, and fluxes. BrazTec materials are used to manufacture a wide range of products, from simple everyday objects to high-grade tools and bulk industrial products. www.brazetec.com

VAC Sales USA, LLC (Elizabethton, Ky.)
Booth #16 VacuumSchmelze GmbH & Co. KG is a leading global manufacturer of advanced magnetic materials and related products. VAC produces rare earth permanent magnets, soft magnetic materials & parts, and cores & inductive components. www.vacuumschmelze.com

Wolverine Joining Technologies (Warwick, R.I.)
Booth #13 Wolverine Joining Technologies is the world’s leading manufacturer of brazing, soldering, and specialty alloys. www.wolverine.com