Events

2023

Nov 5–8
LatinCorr & Intercorr 2023
Barra da Tijuca, Rio de Janeiro, Brazil

In partnership with ABRACO and the AMPP Brazil Chapter, this long-awaited event will feature a comprehensive program that will help you stay ahead of industry trends and innovations in materials protection.

Topics will include: advances on coatings and linings; atmospheric corrosion; biocorrosion; cathodic and anodic protection; corrosion and asset integrity management; corrosion and protection of concrete structures; corrosion scaling and inhibitors; corrosion under insulation; electrochemistry; materials for cleaner and renewable energy; materials for oil and gas, harsh and marine service conditions; and pipelines—internal and external corrosion and protection.

Contact: Association for Materials Protection and Performance, AMPP, 15835 Park Ten Place, Houston, TX 77084, USA; tel: 800/797–6223, other countries: 1–412-281–2331; e-mail: customersupport@ampp.org; web: www.ampp.org/events/latincorr-intercorr-2023

Nov 5–10
15th Pacific Rim Conference on Ceramic and Glass Technology (PACRIM 15)
Shenzhen World Exhibition and Convention Center, Shenzhen, China

This conference will provide a unique forum for knowledge exchange and sharing, and facilitated the establishment of new contacts from all over the world. The technical program will cover a wide range of exciting and emerging topics organized into a multitrack system which includes many symposia that will identify global challenges and opportunities for various ceramic technologies. These symposia will include: virtual materials design and ceramic genome; advanced characterization, testing and analysis of materials; advanced powder processing and green manufacturing technologies; novel and strategic processing and manufacturing technologies for ceramics; advanced additive manufacturing technologies: materials, processes, and systems; engineering ceramics and ceramic matrix composites; advanced structural ceramics and CMCs for ultra extreme environments; polymer derived ceramics and composites; novel ceramic coatings and technology; nanolaminated ternary carbides, nitrides, borides, and MXenes/MBenes; high-entropy ceramics and composites; microwave dielectric ceramics and applications; piezoelectric, ferroelectric/multiferroic materials and components; thermoelectric materials and devices for sustainable energy utilization; perovskites for solar cells, LEDs, and other applications; solid-state optical materials and luminescence properties; ceramics for advanced nuclear energy systems and nuclear waste management; solid oxide fuel cells and hydrogen technologies; ionic and mixed conducting ceramics; multifunctional nanomaterials and heterostructures for sensing devices; ceramics for environmental conservation, energy and environmental catalysis, pollution control, and critical materials; ceramic integration and joining technologies; geopolymers; advanced refractories and traditional ceramics; porous ceramics; bioceramics and ceramic coatings for biomedical applications; and biomimetics and bioinspired processing of advanced ceramics.

Contact: American Ceramic Society, 550 Polaris Pkwy, Ste 510, Westerville, OH 43082, USA; tel: 866/721–3322; e-mail: customerservice@ceramics.org; web: ceramics.org/event/15th-pacific-rim-conference-on-ceramic-and-glass-technology.
Nov 8–10
**Inspection Expo & Conference**
*Austin, Texas, USA*

Meet industry experts, attend expert panel presentations and breakout sessions, and make connections that can boost your career and keep your inspections business on the cutting edge.

Topics will include: inspection fundamentals; roles of quality assurance/quality control; nondestructive testing; corrosion and inspection plan development; inspection careers; visual defect and remote inspections; inspection documentation; inspection auditing; welding design fundamentals; steel structural bolting; coating inspection; advanced ultrasonic testing; and welding, nondestructive testing and coating procedures.

**Contact:** Sarai Claveria, American Welding Society, 8669 NW 36 Street, #130, Miami, Florida 33166, USA; tel: 305/443–9353, ext. 227; e-mail: sclaveria@aws.org; web: https://events.aws.org/event/a63103e6-7eb1-4ef9-985d-6af5af6be306/summary

Nov 12–15
**High Entropy Alloys (HEA) 2023**
*Omni William Penn Hotel, Pittsburgh, Pennsylvania, USA*

The 3rd World Congress on High Entropy Alloys (HEA 2023) is a cross-disciplinary technical forum designed to share the latest research advances in single-phase and multiphase metallic, intermetallic, and ceramic high-entropy materials for functional or structural applications. HEA 2023 will feature highly focused technical talks on topics that include, but are not limited to, fundamental theory of alloy design, computational modeling and simulation, properties, processing, and applications of high-entropy alloys.

Networking opportunities will also offer attendees a chance to informally discuss the latest developments in high-entropy alloys, while also making valuable professional connections. The congress will attract research leaders from industry, government, and academics from across the globe, as well as students and postdocs interested in the science and engineering of metallic materials and high-performance alloys. Scientists and engineers will be convened to facilitate linkages and collaborations on this promising technology, to hopefully lead to widespread application and adoption of these materials.

**Contact:** TMS Meeting Services, 5700 Corporate Drive, Suite 750, Pittsburgh, PA 15237, USA; tel: U.S. and Canada Only: 800/759–4867, other countries: 1–724/776–9000; e-mail: mtgserv@tms.org; web: www.tms.org/HEA2023

Nov 15–17
**AIST Leadership Conference**
*Wyndham Orlando Resort Bonnet Creek Orlando, Florida, USA*

The primary objective of this annual conference is to enhance industry value through participation in AIST activities, and to help you grow as a leader in our association and in the steel industry. We will tackle strategic initiatives such as globalization, training, communication and recruiting challenges. In addition, we will develop personal skills with topics such as conflict management and finding opportunities during a crisis.

The sharing of information amongst the chapters will, as always, yield a healthy discussion as the officers have the opportunity to review success and challenges, exchange ideas and ask questions of one another.

**Contact:** AIST, 186 Thorn Hill Road, Warrendale, PA 15086–7528, USA; tel: 724/814–3068; e-mail: memberservices@aist.org; web: www.aist.org/conferences-expositions/leadership-conference

Nov 16–18
**ASCE INSPIRE Conference 2023**
*Hyatt Regency Crystal City, Arlington, Virginia, USA*

ASCE INSPIRE 2023 offers an opportunity to connect with, share knowledge, and learn from experts actively bringing the future to life. Plenary speakers, technical sessions, local tours of engineering projects, and the Hall of Inspiration will have you nothing short of inspired.

Future-ready infrastructure involves nature-based design and technological advancements in materials, energy use, and system-to-system communication and adaptive planning and management capabilities that respond to the risks from increasingly interconnected infrastructure. Understanding and adapting to risks such as changes in the earth’s temperature, increasing frequency of natural hazards, and the impact of sea level rise drive the need for
civil engineers to design and build equitable, smart, hazard-re-
silient, people-centric engineering projects.

As the United Nations and governments across the globe are im-
plementing requirements and regulations for public and private
entities to disclose carbon impacts, civil engineers will be ready to
respond, helping to mitigate carbon emissions, and respond to the
demand for resilient infrastructure and community designs.

**Contact:** American Society of Civil Engineers, 1801
Alexander Bell Drive, Reston, VA 20191, USA; tel: 703/295–
6300 or 800/548–2723; e-mail: registrations@asce.org; web: inspire.asce.org

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Nov 19–23

**The 11th Pacific Rim International Conference on Advanced Materials and Processing (PRICM11)**

ICC, Jeju, Korea

PRICM is a series of triennial international academic conferences focused on advanced materials and processing. The first PRICM was initiated in 1992 in Hangzhou, China, and hosted by CSM. After the first conference, PRICM has been held successfully in 1995 (Kyongju, Korea), 1998 and 2001, (Hawaii, USA), 2004 (Beijing, China), 2007 (Jeju, Korea), 2010 (Cairns, Australia), 2013 (Hawaii, USA), 2016 (Kyoto, Japan), 2019 (Xi’an, China), and in-rotation organized by CSM, KIM, MA, TMS and JIM. During the last 25 years, PRICM made an important push toward academic exchange of materials and processing worldwide, and has become one of the main academic forums to academia, researchers and engineers in this field.

PRICM11 will be an excellent venue to exchange state-of-the-art development and information on a variety of subjects or topics. This conference is jointly organized by The Chinese Society for Metals (CSM), The Japan Institute of Metals and Materials (JIM), The Korean Institute of Metals and Materials (KIM), Materials Australia (MA), and The Minerals, Metals & Materials Society (TMS).

**Contact:** The Korean Institute of Metals and Materials, 6th Fl., Seocho-dong 56-gil 38, Seocho-gu, Seoul 06633, Korea; tel: 82-
(0)2–573-6207; e-mail: info@pricm11.org; web: pricm11.org

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Nov 29–Dec 1

**Laser Symposium and International Symposium on Additive Manufacturing (ISAM) 2023**

Dresden, Germany and Online (Hybrid format)

For the twelfth time in a row, Laser Symposium 2023 brings
Together the world’s leading laser experts, end-users and newcomers from both industry and academia. With a focus on the latest laser developments and their suitability for industrial applications, it offers an ideal platform for scientific and technical exchange on various aspects of laser materials processing.

Additive manufacturing, also known as 3D printing, is becoming increasingly important for industrial applications. Fascinating engineering solutions paired with exciting economic benefits are strong drivers for research and development efforts worldwide. ISAM highlights the latest developments and challenges in additive manufacturing.

Combined into one joint conference, the Laser Symposium and ISAM will provide a unique platform for the exchange of ideas and for industrial networking. As a participant, you will benefit from overlaps in content and gain exciting insights into new topics. Topics covered will include: advanced laser sources; design and simulation; laser welding; biomimetics and natural inspiration; laser cutting; materials; beam shaping; digitalization; microprocessing; surface treatment in additive manufacturing; cladding and thermal coating; process monitoring; and control future technologies and processing.

**Contact:** Julia Ziemer, Fraunhofer Institute for Material and Beam Technology IWS, Winterbergstr. 28, 01277 Dresden, Germany; tel: +49 351 83391–3062; e-mail: Julia.ziemer@iws.fraunhofer.de; web: www.lasersymposium.de

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Dec 5–7

**ASM Global Materials Summit**

LaPlaya Beach & Golf Resort, Naples, Florida, USA

The ASM Global Materials Summit is a unique opportunity to connect with visionaries in the materials community in an interactive environment about the future of the materials world, and unlock new thinking to spark innovation. This exclusive executive summit is open to FASMs and executives in the materials industry only, and will provide a platform for our distinguished leaders to have meaningful discussions and develop tangible solutions to the biggest challenges facing the materials community.

Creating this culture of collaboration within ASM will enable leaders to embrace the trends that drive innovation, execution and, ultimately, results. Attendees will be provided with ample opportunity to network, get reacquainted with old colleagues and make new connections, in a relaxed environment.

This year’s executive summit will convene a powerful collection of groundbreaking innovators and top subject-matter experts, focused on the following domains: materials 4.0: materials genome deployment; nexus of data science and materials science; industry 4.0: the new manufacturing landscape; and materials sustainability in the twenty-first century.

**Contact:** ASM International, Member Service Center, 9639 Kinsman Road, Materials Park, OH 44073, USA; tel: 440/338–5151; e-mail: memberservicecenter@asminternational.org; web: www.asminternational.org/asm-global-materials-summit

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Dec 10–14

**Materials in Nuclear Energy Systems (MiNES 2023)**

New Orleans Marriott, New Orleans, Louisiana, USA

MiNES will focus on research in the fission reactor materials community. The MiNES conference series grew out of two biannual symposia: Microstructure Processes in Irradiated Materials (MPIM), held at the TMS Annual Meeting & Exhibition, and Nuclear Fuel and Structural Materials (NFSM), held at the ANS Annual Meeting. The conference takes place biannually, with TMS and ANS alternating sponsorship.

There will be three parallel tracks of technical sessions during the five days of the conference. The following topics will be
explored: defect evolution and microstructural investigations; modeling and simulation of defect evolution and material properties caused by irradiation; bulk versus small-scale properties; mechanical behavior at all scales and strain rates; thermal properties of materials and fuels; corrosion in advanced reactors; in-pile and integrated (multivariable) experiments; reactor materials development and qualification; novel fuel types, triso, metallic fuels, etc.; development and qualification; nuclear fuel fabrication, handling, reprocessing; technology transfer from fundamental to applications; and technical challenges for material and fuel deployment and reactor integration.

Contact: American Nuclear Society, 5200 Thatcher Road, Suite 142, Downers Grove, Illinois 60515, USA; tel: 800/323-3044; e-mail: askanything@ans.org; web: www.ans.org/meetings/mines2023

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