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TMS 2025

154th Annual Meeting & Exhibition

March 23–27, 2025

MGM Grand Las Vegas Hotel & Casino
Las Vegas, Nevada, USA

#TMSAnnualMeeting | www.tms.org/TMS2025



39TH EXHIBITION

Located in the Marquee Ballroom, across the courtyard from TMS2025 session rooms and registration areas.

EXHIBIT HOURS AND EVENTS

Monday, March 24

Exhibit Hours: 11:00 a.m. to 6:30 p.m.

Exhibit Opening Reception & Poster Session I: 5:30 p.m. to 6:30 p.m.

Tuesday, March 25

Exhibit Hours: 11:00 a.m. to 6:30 p.m.

Exhibit Hall Happy Hour & Poster Session II: 5:30 p.m. to 6:30 p.m.

Wednesday, March 26

Exhibit Hours: 10:00 a.m. to 2:00 p.m.



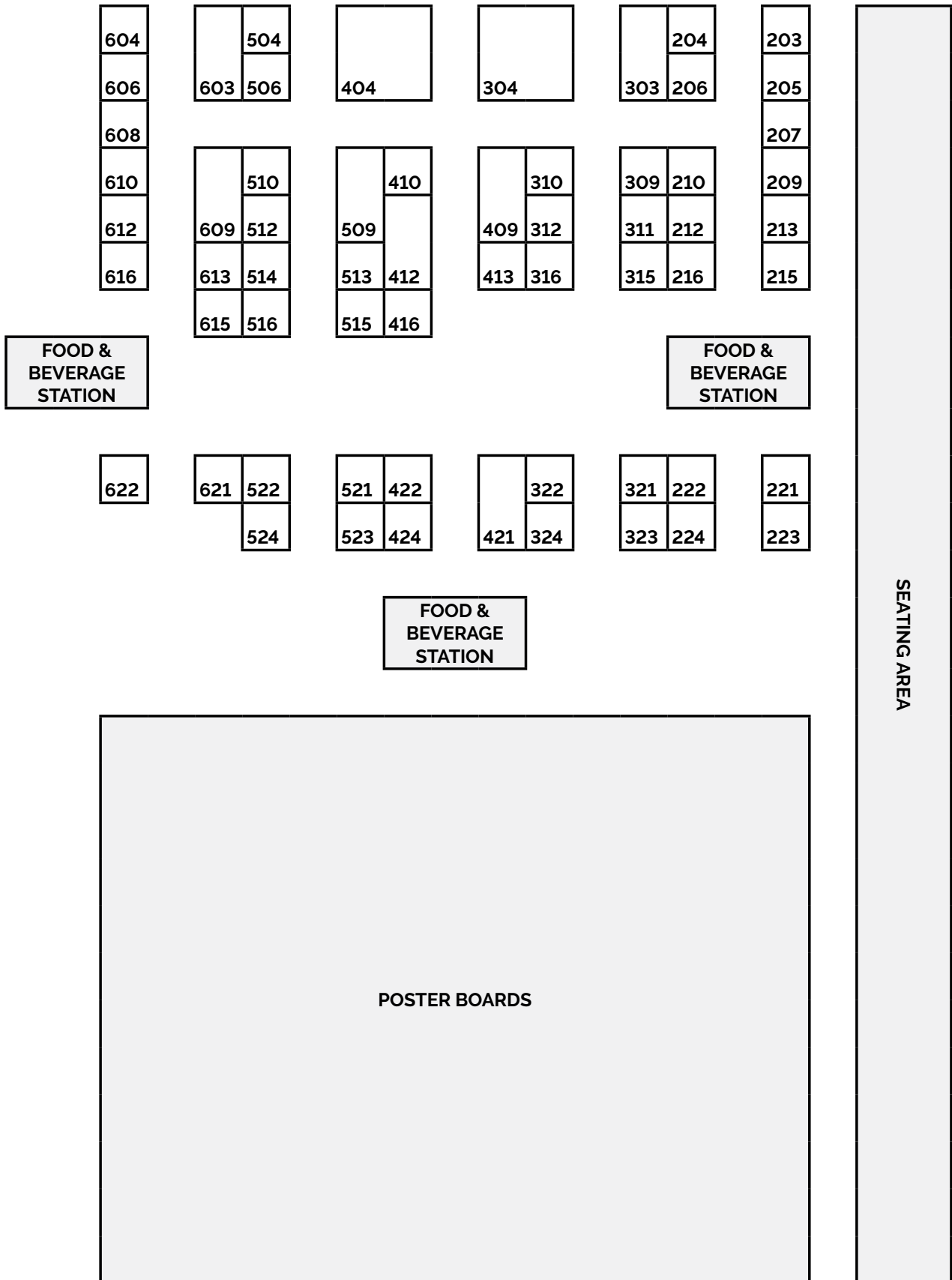
2025 EXHIBITING COMPANIES DIRECTORY

Listing current as of February 10. For the most up-to-date listing, check the TMS2025 App.

Company	Booth	Company	Booth
ABB, Inc.	410	MDPI	210
Across International LLC	215	Micro Materials Ltd	416
Allied High Tech Products	509	MTI Corporation	604
AMAZEMET Sp. z o. o.	521	Nanometronix LLC	224
Angstrom Scientific Inc./Alemnis AG	322	Netzsch Instruments N.A. LLC	606
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BlueQuartz Software	223	PRCO AMERICA, INC.,	304
Bruker	303	Precimeter Inc.	615
California Nanotechnologies	621	Proto	309
Cameca	311	Protochips, Inc.	312
CompuTherm LLC	516	Psylotech Inc	207
Dr. Fritsch Sondermaschinen GmbH	616	Quantum Design, Inc	622
EBSD Analytical	209	Rtec Instruments	412
Exum Instruments	610	Seco/Warwick Corp	513
Fritsch Milling & Sizing, Inc.	522	SELEE	206
Gatan/EDAX	204	Sente Software Ltd.	413
Gleeble	321	Software for Chemistry & Materials	515
Haarslev Industries Press Technology GmbH + Co.Kg	310	Synton Mdp AG	221
innovatherm Prof. Dr. Leisenberg GmbH + Co. KG	422	TA Instruments	316
InssTek	222	Tenova Inc.	409
International Magnesium Association	506	TESCAN	421
KLA Corporation	603	Tethon 3D	203
Laser Thermal Analysis	512	Thermal Technology LLC	608
Linseis Inc	524	Thermo Calc Software Inc.	510
Los Alamos National Laboratory	514	Thermo Fisher Scientific	609
Materials and Chemistry Laboratory, Inc.	212	Zhengzhou Jingwei Technology Industry Co.,Ltd	315

FLOOR PLAN OF 2025 EXHIBITING COMPANIES

MARQUEE BALLROOM ENTRANCE



2025 EXHIBITING COMPANY DESCRIPTIONS

Exhibitor list current as of February 10.
See the TMS2025 App for exhibitors
added after February 10.

Company	Booth
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ABB, Inc.	410
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Our company offers a complete range of analytical solutions to the aluminum industry with AISCAN™ hydrogen analyzer, LiMCA inclusion analyzer, Prefil®-Footprinter melt cleanliness analyzer, PoDFA inclusion identification and quantification analysis. ABB also offers metallographic analysis services.

Across International LLC	215
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Allied High Tech Products	509
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For over 36 years, Allied High Tech Products has provided quality products for metallographic sample preparation and analysis. Allied manufactures state-of-the-art equipment including sectioning machines, mounting systems, grinders/polishers and a precision tabletop milling machine at its California headquarters.

AMAZEMET Sp. z o. o.	521
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Angstrom Scientific Inc./Alemnis AG	322
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Angstrom Scientific Inc. represents leading manufacturers supporting materials characterization. Specifically: Hitachi Tabletop SEMs, Imina Nano-probing systems, Point Electronics EBIC/EBAC, Leica Sample prep equipment, NenoVision and Alemnis In-Situ AFM, & Nano-Indenters, EMSIS TEM Cameras, Advent Diamond X-ray Beam Monitor, ConnectomX – Katana Microtome, and VacuumFab motion control.

BlueHalo	216
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BlueQuartz Software	223
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BlueQuartz Software specializes in microstructure-oriented computational services. Our tools are distributed via the DREAM.3D platform. DREAM.3D is built around SIMPL, a general spatiotemporal information management and analysis library. BlueQuartz employs software engineers and MSE experts. Let us be the software development team for your materials analysis needs.

Company	Booth
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Bruker	303
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Bruker's industry-leading technologies include Electron Micro SEM/TEM Analyzers, UMT mechanical testers and Hysitron nanomechanical test instruments. From investigating friction and wear to nanoscale materials characterization and elemental analysis, Bruker offers advanced solutions to help you appreciate and develop innovative materials at the macro- and nano-scale.

California Nanotechnologies	621
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California Nanotechnologies offers an array of facilities including advanced consolidation techniques (Spark Plasma Sintering), cryogenic milling, and machining tools. R&D and pilot-scale production services are performed by Cal Nano for both in-house programs and customer-funded projects. Programs range from Space, Aerospace, Nuclear, and Sports & Recreation industries.

Cameca	311
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CAMECA is a world leading supplier of microanalytical and metrology instrumentation for research and process control. Our instruments measure elemental and isotopic composition in materials down to atomic resolution and equip government and university labs as well as high-tech industrial companies around the world.

CompuTherm LLC	516
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CompuTherm LLC is one of the leading developers of software and databases for thermodynamic calculation and kinetic simulation using the CALPHAD method. Our products include Pandat software suite, thermodynamic databases, mobility databases, and thermo-physical property databases for numerous alloy systems, such as Al-, Co-, Fe-, Mg-, Ni-, Ti-, TiAl-based alloys, high entropy alloys, and refractory alloys. These simulation tools provide materials solutions on multi-component phase equilibria, diffusion, precipitation, grain growth, solidification, welding and more. We also provide consulting service and develop customized simulation tools as requested by customers.

2025 EXHIBITING COMPANY DESCRIPTIONS

Company	Booth
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Dr. Fritsch Sondermaschinen GmbH	616
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Founded in 1953, Dr. Fritsch is the world's first and largest manufacturer of FAST/SPS sinter presses, which are ranging from R&D devices for universities to large automated FAST/SPS sinter presses for industrial mass production. Furthermore, mixers, cold presses, granulation machines as well as metal and ceramic powders are part of Dr. Fritsch's product portfolio.

EBSA Analytical	209
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EBSA Analytical provides microstructural analysis services through EBSD and EDS coupled with the SEM. The owner, Ron Witt, has been involved with EBSD since 1996, having worked for both TSL and EDAX/Ametek before founding EBSA Analytical in 2003. With over 23 years experience, let us show you how materials characterization with EBSD can help improve your processes.

Exum Instruments	610
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Fritsch Milling & Sizing, Inc.	522
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FRITSCH is an internationally respected German manufacturer of commercial quality, professional application-oriented laboratory instruments & production equipment serving a range of industries—from agriculture to pharma to nano-technology.

Gatan/EDAX	204
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Gatan/EDAX is the global leader in Energy Dispersive Spectroscopy (EDS), Electron Backscatter Diffraction (EBSD), Wavelength Dispersive Spectrometry (WDS) and X-ray Fluorescence (XRF) systems. EDAX manufactures, markets, and services high-quality products and systems for leading companies in semiconductors, metals, and geological, biological, material and ceramics markets.

Gleeble	321
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Dynamic Systems Inc. (DSI) is a global leader in materials testing solutions, specializing in thermal-mechanical simulation and high-temperature materials research. Our flagship Gleeble® systems empower researchers in aerospace, automotive, energy, and advanced materials industries to develop and validate next-generation materials under real-world conditions. From general metallurgical testing to ultra-high-temperature ceramic and composite evaluation, DSI provides the tools and expertise to accelerate innovation.

Company	Booth
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Haarslev Industries Press Technology GmbH + Co.Kg	310
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The world leader for most efficient wear protection materials. We supply optimized wear and spare parts for Anode Paste mixers at economical prices with longer life times than any other supplier to this industry. Furthermore we provide services and process support for anode paste preparation. All of our parts for the Aluminium Industry are manufactured in Germany.

innovatherm Prof. Dr. Leisenberg GmbH + Co. KG	422
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Innovatherm is the world market leader in anode baking systems for the primary aluminum industry. Known as "ProBake", we supply complete firing systems consisting of burners, necessary safety technology as well as process control technology. At the TMS show we present first insights into our newly developed ProBake X control system for optimized anode baking process.

InssTek	222
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InssTek develops and manufactures metal 3D printers with InssTek's original DMT(Direct Metal Tooling) technology. InssTek also provides printing, remodeling, and repair services for 3D printing applications.

International Magnesium Association	506
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KLA Corporation	603
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We provide advanced process control solutions for manufacturing wafers and reticles, integrated circuits and packaging. In close collaboration with leading customers across the globe, our expert teams of physicists, engineers, data scientists and problem-solvers design solutions that move the world forward.

Laser Thermal Analysis	512
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Linseis Inc	524
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Los Alamos National Laboratory	514
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Materials and Chemistry Laboratory, Inc.	212
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MDPI	210
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2025 EXHIBITING COMPANY DESCRIPTIONS

Exhibitor list current as of February 10.
See the TMS2025 App for exhibitors added after February 10.

Company	Booth	Company	Booth
Micro Materials Ltd	416	Psylotech Inc	207
Micro Materials has pioneered many advances in nanomechanical test instrumentation, most recently testing to 1100 degrees C. Our platforms are capable of depth sensing indentation and tribological measurements that can be done over a wide load range. Tribological techniques include scratch and wear, high strain rate nano-impact, micro impact, & nano-fretting.		For over 15 years, Psylotech has designed and built precision multi-scale micromechanical testing systems for the global stage. We provide the research community with tools to help better test new materials in static and fatigue that ultimately provide backbone for modeling data that supports product development. Psylotech is based in Evanston, Illinois, USA.	
MTI Corporation	604	Quantum Design, Inc	622
MTI provides laboratory R&D equipment including alloy melting, casting, annealing, sectioning, polishing, mixing machines, high temperature muffle and tube furnaces, pressing machines, film coaters, high vacuum systems, high pressure furnaces, RTP furnaces, hydrogen furnaces, as well as compact XRD/XRF for Metallographic analysis and equipment for High Throughput.			
Nanometronix LLC	224	Rtec Instruments	412
		Rtec Instruments develops and manufactures advanced mechanical and optical surface characterization testing instruments. We supply high-precision, reliable, and innovative product lines to provide solutions for your research and quality control needs. We lead several new technological fronts such as space, EV, coatings, and sustainability drive. Product line includes solutions for Instrumented indentation, scratch testing, adhesion testing, optical characterization, film thickness measurement and tribometers.	
Netzsch Instruments N.A. LLC	606	Seco/Warwick Corp	513
		SECO/WARWICK is a leading supplier of aluminum processing and melting/holding/tilting furnace systems. With decades of experience and deep engineering experience, SECO/WARWICK can design, manufacture, install, and upgrade nearly any furnace systems associated with aluminum processing and melting including annealing, solution heat treating, homogenizing, and melt/reheat.	
Oxford Instruments	404	SELEE	206
FemtoTools is a manufacturer of high-resolution nanoindenters for applications in metallurgy and thin films		SELEE pioneered the use of ceramic foam technology in metal filtration 50 years ago.	
PRCO AMERICA, INC.,	304	Sente Software Ltd.	413
		Developers of JMatPro®, a powerful simulation software package for calculating a wide range of materials properties and behavior for multi-component alloys used in industrial practice. Data exports are available to casting, forming, forging and heat treatment packages. Sente Software has a proven track record for innovation and excellence with customers worldwide.	
Precimeter Inc.	615		
Molten Metal level control.			
Proto	309		
Proto makes x-ray diffractometers for powder diffraction, single-crystal XRD, residual stress, and Laue orientation. We also offer x-ray systems with extremely bright MetaJet x-ray sources for high-end experimental x-ray techniques such as CT, phase-contrast imaging, and HEDM. Our experienced team can bring the power of a synchrotron into your home laboratory.			
Protochips, Inc.	312		

2025 EXHIBITING COMPANY DESCRIPTIONS

Company	Booth
Software for Chemistry & Materials	515

Whether you research batteries, organic electronics, photovoltaics, polymers, or other materials, we have the modeling tools to drive your R&D. The Amsterdam Modeling Suite offers atomistic modeling and fluid thermodynamics all with an integrated GUI within a simple single-file binary. Come and discuss your research questions with us!

Synton Mdp AG	221
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Synton-MDP is a manufacturer of diamond stylus for microtechnical instruments. Most of the tips are used in metrological equipment (surface finish, profile, form, nano-indentation, hardness, scratch and other characteristics). We specialise in small spherical tips, with a high level of dimensional accuracy in ultra-compact configurations, and points with razor sharp edges.

TA Instruments	316
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Visit TA Instruments for premier technology in thermal analysis and thermophysical testing. Innovative instrumentation for materials characterization of polymers, metals, ceramics, and more. Unmatched performance from our Discovery Series DSC, TGA, and SDT and industry leading instruments for Thermal Conductivity, Dilatometry, and Thermal Diffusivity by Flash up to 2800°C.

Tenova Inc.	409
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Tenova Inc., is a worldwide leader in the design and supply of loose carbonaceous material calciners based on rotary hearth technology. These furnaces are used for the processing of petroleum coke, coal, formed coke briquettes and various other carbon based products. We also provide aluminum processing furnaces for a variety of applications as well as technical services.

Company	Booth
TESCAN	421

Tethon 3D	203
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Thermal Technology LLC	608
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Thermo Calc Software Inc.	510
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Leading developer of software for computational thermodynamics and diffusion controlled simulations. Thermo-Calc: thermodynamic and phase equilibria calculations for multicomponent systems. DICTRA: predicting diffusion in multicomponent alloys. TC-PRISMA: simulations of precipitation kinetics. Databases for steels, Ti, Al-, Mg-, HEAs, Ni-superalloys and other materials.

Thermo Fisher Scientific	609
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Zhengzhou Jingwei Technology Industry Co.,Ltd	315
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2025 CONFERENCE SPONSORS

Current as of February 11, 2025

LANYARDS AND
CONFERENCE GUIDE



**AMERICAN
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THE ADVANCED MATERIALS MANUFACTURER®

WELCOME RECEPTION AND
KEYNOTE SESSIONS

**SPRINGER
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LGBTQ+ AND ALLIES NETWORKING MIXER



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**GLENCORE
TECHNOLOGY**

RioTinto

 **Protochips**