2022

IMAT
ASM'S ANNUAL MEETING

INTERNATIONAL MATERIALS, APPLICATIONS & TECHNOLOGIES
2022

THE CIRCULAR MATERIALS ECONOMY

INDUSTRY • ACADEMIA • GOVERNMENT

EXHIBITOR PROSPECTUS

SEPTEMBER 12–15, 2022 | NEW ORLEANS, LOUISIANA

CO-LOCATED WITH:

COLD SPRAY
NORTH AMERICAN COLD SPRAY CONFERENCE 2022

NEM-TS 2022
New and Emerging Markets for Thick Film Coatings: Unconventional Uses of Thermal Spray

ORGANIZED BY:

ASM INTERNATIONAL

EDFAS
Electronic Device Failure Analysis Society
ASM INTERNATIONAL

FAS
Failure Analysis Society
ASM INTERNATIONAL

HTS
Heat Treating Society
ASM INTERNATIONAL

IMS
International Metallographic Society
ASM INTERNATIONAL

SMST
Shape Memory & Superelastic Technologies
ASM INTERNATIONAL

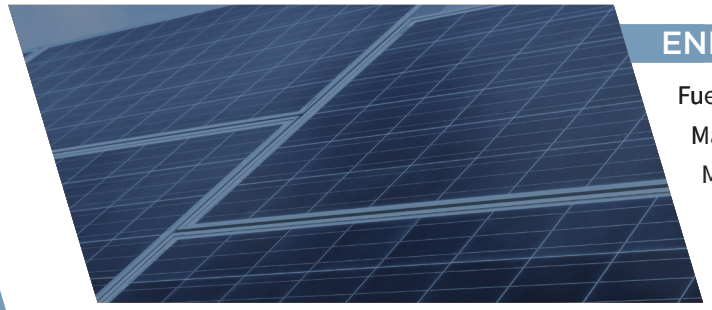
TSS
Thermal Spray Society
ASM INTERNATIONAL

OFFICIAL MEDIA SPONSOR:
ADVANCED MATERIALS & PROCESSES

ORGANIZING PARTNER:
AMPP

imatevent.org

KEY TOPICS

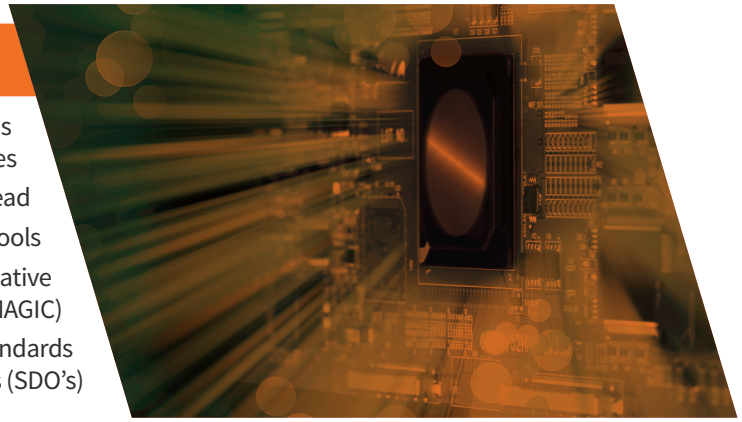


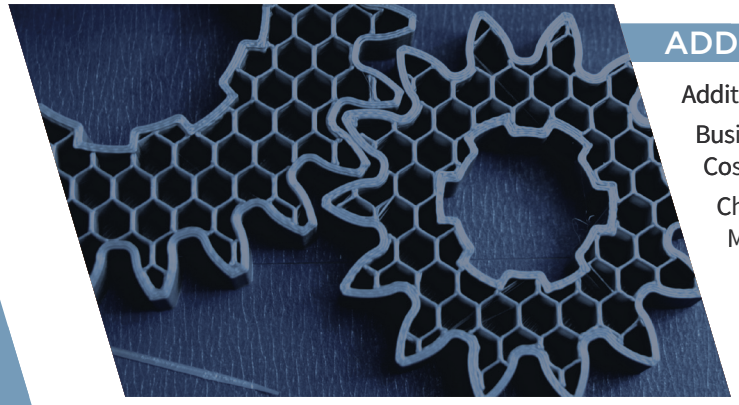
ENERGY & UTILITIES

- Fuel Cells and Battery Materials
- Materials for Clean and Renewable Energy
- Materials for Extreme Service Conditions
- Nuclear Energy — Remaining Materials and Disposal Challenges
- Transportation and Lightweighting

MATERIALS 4.0: MATERIALS INFORMATION IN THE PRODUCT LIFE CYCLE

- Accelerated Metallurgy
- Artificial Intelligence / Machine Learning
- Digital Materials Definition and the Future of Materials Specifications
- Integrated Computational Materials Engineering (ICME)
- Materials Data Hub
- Materials Data Infrastructure
- Materials Data Ontologies and Taxonomies
- The Materials Digital Thread
- Materials Discovery with Modern Tools
- The Materials Genome Initiative Centre (MAGIC)
- Trajectories of Standards Development Organizations (SDO's)





ADDITIVE MANUFACTURING

- Additively Manufactured Metals Corrosion
- Business Case Development and Cost Analysis
- Characterization, Process Control, Microstructure, Properties, and NDT
- Dimensional Control and Net Shaping
- Evolution, State of Art, Processes, Applications, and Development Needs
- Post-Processing
- Process Qualification, Certification, and Specifications
- Structural Buildups and Repairs
- Surface Quality and Finishing

SUSTAINABLE MATERIALS AND PROCESSES

- Environmental Impacts
- Global Materials Industry Development
- Global Supply Stability
- Materials Substitution Challenges

MATERIALS AND PROCESSES FOR AUTOMATION

Durable, Long-Life Materials Solutions

Improved Sensor & Display Materials

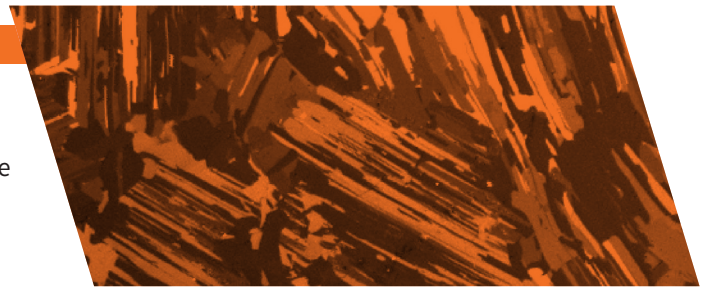
Ergonomics and Machine-Human Interface Sensors

Robotic Corrosion Monitoring Inspection

Improved Automated Machining, Forming, Coating

Safe Robotic and Automation Design

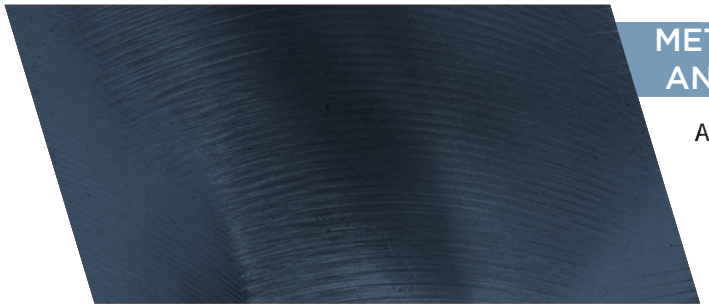
METALLOGRAPHY



Metallographic Preparation Techniques from Fundamentals to Novel Solutions

Microstructural Characterization and the Correlation of Microstructure to Mechanical Properties

Quantification and Simulation of Microstructures and Properties



METALS, CERAMICS, COATINGS AND COMPOSITES

Alloy Phase Diagrams

Emerging Technologies

Joining Advance and Specialty Materials

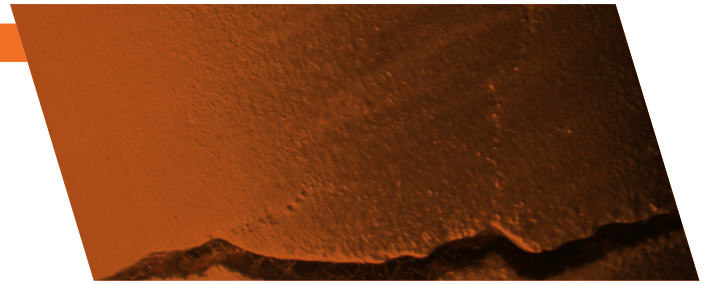
Materials Behavior and Characterization

Materials and Manufacturing Processes

Medical / Biomaterials

Processing and Applications

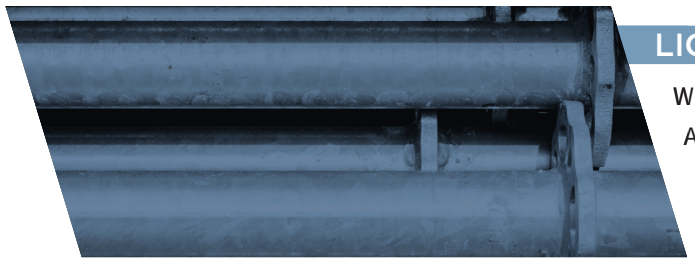
FAILURE ANALYSIS



Failure Analysis Case Studies

Failure Prevention and Unconventional Failures

Tools and Techniques



LIGHT METAL TECHNOLOGY

Wrought Processing

Alloy Development

ASM IS STRONGER TOGETHER

ASM IS THE ONLY SOCIETY THAT UNITES DIFFERENT MARKET SEGMENTS THAT CROSS THE ENTIRE MATERIALS WORLD.

Planning for IMAT 2022 Conference & Exposition is underway with the ASM Programming Committees, AeroMat Committee, IDEA Committee, Emerging Professionals, and all six of ASM's Affiliate Societies. The technical symposiums will have a strong focus on application-oriented, real-world technologies that can be put to use today.

IMAT Conference & Exposition will also have broad appeal to a wider demographic than ever—with activities and programming specifically designed for pre-college STEM students, graduate and undergraduate students, and both emerging and seasoned professionals.

EXHIBIT TODAY

For more information contact:
exposales@asminternational.org

TECHNICAL ADVISORY BOARD

ASM INTERNATIONAL

Committees:

- Additive Manufacturing
- AeroMat
- Alloy Phase Diagram
- Emerging Professionals
- Emerging Technologies
- Energies and Utilities
- IDEA Committee
- Joining of Advanced and Specialty Materials
- Materials Behavior and Characterization
- Processing and Applications

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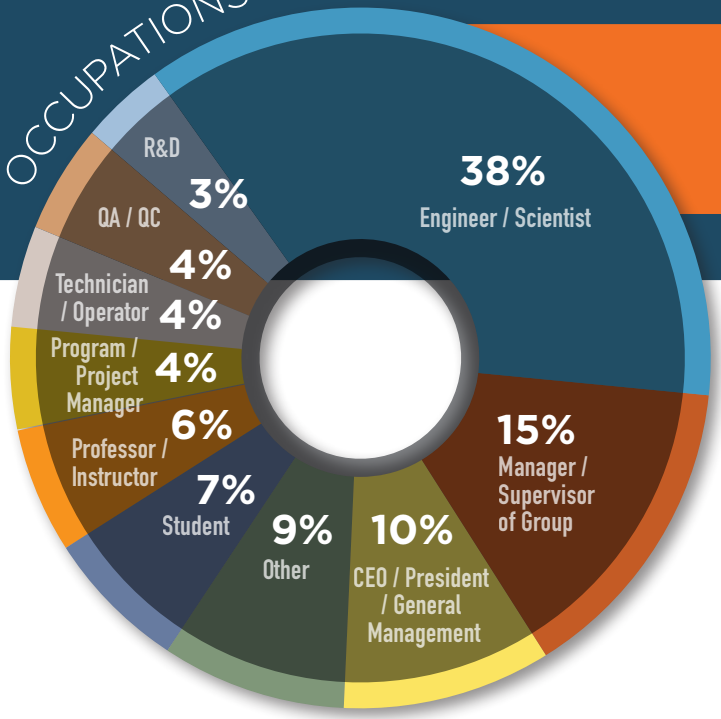
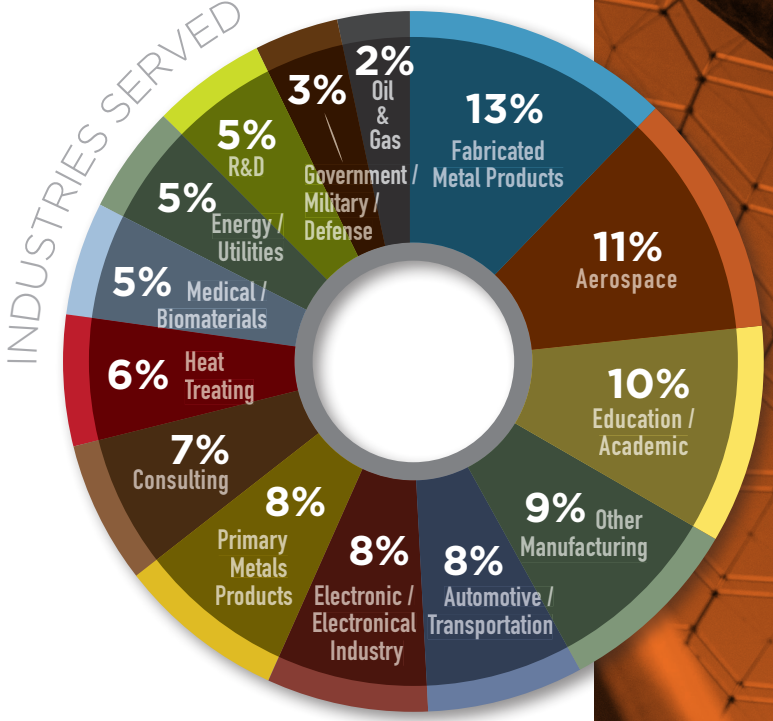
ASM'S REACH

OCCUPATIONS



INDUSTRIES SERVED



TARGET AUDIENCE:

Academic, C-Suite Executives, Consultants, Emerging Professionals, Engineer/Scientist, Government Labs, Job Shops, Managers, Manufacturer Reps, Materials Buyers, Material Suppliers, OEM's, Students, Technician/ Operator, Professors, QA/QC, R & D

TARGET MARKETS:

AI, Additive Manufacturing, Aerospace, Automation, Automotive, Big Data, Ceramics, Corrosion, Emerging Technologies, Energies and Utilities, Factory 4.0, Failure Analysis, Heat Treat, Joining, Light Metals, Manufacturing, Materials 4.0: Materials Information, Materials Characterization and Behavior, Materials—Environmental Interactions, Materials Testing, Mechanical Testing, Medical, Medical/Biomaterials, Modeling, Mining NDT, NanoMaterials, Oil & Gas, Processing and Manufacturing, Semiconductor, Simulation, Sustainability, Thermal Spray

WHY NEW ORLEANS?

1 DIVERSE ECONOMY

New Orleans has a diverse economy, including:

- Advanced Manufacturing
- Aerospace
- Energy
- Healthcare
- International Trade
- Tourism Industries

Some of the biggest companies in New Orleans include:

- Boeing
- NASA's Michoud Assembly Facility
- Ochsner Health System
- Superior Energy Services
- Whitney Holding Corp.

2 DESTINATION: THE BIG EASY

Imagine meeting in a city where cultures collide in a brilliant explosion of flavors, emotions, and sounds. New Orleans is the birthplace of jazz, home to Creole cuisine, and rich with history and unmatched southern hospitality. It is centrally located with a walkable downtown and cutting-edge, world class convention facilities. With more than 1,400 restaurants, the city offers one of the most inconceivable – and incredibly diverse – concentrations of incomparable dining and unforgettable cuisine in the world. Because most of the city's restaurants, attractions, tours, accommodations, and event venues are within walking distance of each other, it's easy to get around the "Big Easy" and is the perfect setting for networking.

3 EASY ACCESS

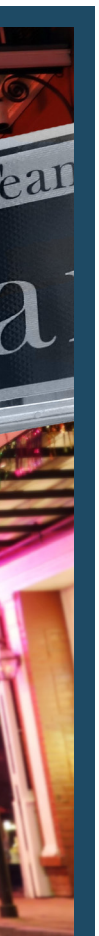
With more than 16 airlines and more than 56 non-stop destinations, traveling to the Louis Armstrong New Orleans International Airport is easy and affordable. Once you arrive, take a short 12 mile ride to the convention center and hotels. During your trip, jump on the streetcar or grab a pedicab for a unique way to travel to your next meeting.

4 ADVANCED MANUFACTURING

Decades of manufacturing expertise, the nation's best state workforce development program, and highly competitive incentives are putting Louisiana at the epicenter of the U.S. manufacturing renaissance. Strategic investments in site identification, robust GIS-mapping technology, and the nation's lowest taxes for new manufacturing operations combined with a strong, pro-business climate are attracting industry leaders such as Nucor, Benteler Steel/Tube and Gardner Denver to Louisiana.

5 ENTREPRENEURIAL SPIRIT

New Orleans has experienced an influx of emerging professionals and entrepreneurs. Numerous digital media businesses have been founded in recent years and New Orleans is quickly becoming a hub of business startups.



6 ENERGY, AEROSPACE, AND HEALTH SCIENCES INDUSTRY

- **$3.3 billion** economic impact of the Bio-Medical Industry in New Orleans
- There are **1,500-acres** that the BioDistrict spans in the downtown and Mid-City areas of New Orleans.
- **Half a billion dollars**—wages of employees supported by the energy industry
- **Top 10**—Louisiana ranks in the Top 10 states for business climate, according to the Area Development, Development Counsellors International, and Site Selection.
- New Orleans is Ranked **No. 3** in the nation in natural gas production according to the Energy Information Association
- NASA's Michoud Assembly Facility has operated in New Orleans for **over 60 years.**

WHY EXHIBIT?

IMAT will focus on economic trends and business forecasts that provide insights so you gain a competitive edge.

Connect with the new generation of materials engineers and emerging professionals that are looking for employment opportunities, internships, careers and to further their education in the materials world.

The only targeted expo on advanced materials, applications, and technologies — all addressing a spectrum of emerging technologies in key growth markets. Encompassing major OEMs, materials suppliers, producers, and corporate partners to deliver cutting edge technology with hands-on educational workshops and demonstrations to further professional development and offer practical materials solutions.

BY EXHIBITING, YOU CAN:

- Continue to build and enhance your company profile to thousands of key industry stakeholders
- Connect with current customers, develop new business relationships and increase sales
- Showcase the latest products, services, and trends to solve or support the materials community be more efficient, cost effective, and faster

FACE-TO-FACE WORKS

95%
Say face-to-face meetings are essential for long-term business relationships

84%
Prefer face-to-face meetings

75%
Prefer in-person conferences because they lead to more social interactions and the ability to bond with coworkers / clients

44%
Prefer in-person conferences and business meetings because they provide a better environment for tough, timely decision-making

85%
Build stronger, more meaningful business relationships during in-person business meetings and conferences

77%
Prefer in-person conferences due to the ability to read body language and facial expressions

49%
Prefer in-person business meetings because they allow for more complex strategic thinking

BOOTH PACKAGES INCLUDE:

- Full Technical Conference Registration to three technical programs: IMAT, North American Cold Spray Conference, **AND** NEM-TS — **THREE** conferences for the price of one.
- Post-Event Attendee lists from **ALL THREE** events
- Unlimited Booth Personnel Badges
- Complimentary Expo-Only Pass for Customers
- Promotion Before and During the Event

PACKAGE #1 — $3,150 USD

All the exhibitor benefits listed above PLUS:

- A 10 ft x 10 ft booth space with draped 8 ft high back wall and 3 ft side rails
- Booth ID sign — 7 in x 44 in

PACKAGE #2 — $4,200 USD

Package #1, **PLUS**: Full-page ad in the Final Program

PACKAGE #3 — $5,500 USD

Packages #1 & #2, **PLUS**: Company logo on event website and signage at the event listed as a Corporate Supporter

Note: Each Additional Booth Space is $3,150 USD
All corner charges are an extra $100 USD

TURN-KEY BOOTH — ADDITIONAL $1,500 USD

Price Includes: 10 ft x 10 ft grey carpet, one 6 ft table with black skirting, two chairs, wastebasket, and 120V electricity (Up to 20 AMPS)

RENTAL RATES INCREASE ON DECEMBER 14, 2021

EXHIBIT PACKAGES

EXHIBIT HOURS

Tuesday, September 13
9:00 a.m. – 5:30 p.m.

Wednesday, September 14
9:00 a.m. – 5:00 p.m.

SECURE YOUR BOOTH TODAY!

For more information contact:
exposales@asminternational.org

PRODUCTS & SERVICES

If you sell or provide the following, you need to exhibit at IMAT 2022:

Additive Manufacturing
Ceramic Materials, Components, and Processing Equipment
Characterization, Process Control, Microstructure, Properties, and NDT
Dimensional Control, Repair, and Net Shaping
Evolution, State of Art, Processes, Applications, and Development Needs
Post–Processing
Process Qualification, Certification, and Specifications
Structural Buildups and Repairs
Surface Quality and Finishing

Ceramic Matrix Composites (CMCs)
Clay and Natural Minerals
CNC Lathes, Grinders, Mills, Mixers
Coatings
Coating/Glazing
Cutting Tools
Dryers
Electronic Ceramics
Fiber Insulation
Finished Components
Furnaces
Glass
Hydraulic Pressing
Inspection/QC
Kilns
Optical Fibers
Refractory Ceramics
Single Crystals

Characterization, Quantification, and Analysis of Materials
Corrosion Analysis and Control
Design Optimization and Materials Selection
Friction and Wear
Materials and Manufacturing Process Modeling
Mechanical Properties and Testing
Metallography and Microscopy Advances
Commercial Materials Testing

Core Metals, Alloys, and Materials Topics
Aluminum and Magnesium Alloys
Ceramic Powders
Ceramic and Polymer Composite Materials
Coatings and Surface Engineering
Consulting Services
Contract R & D Services
Copper-Base Alloys
Electronic Materials
Environmental Services
Fuel Cells
Glass
Materials for Extreme Environments
Nanomaterials
Nanotechnologies
Ni, Co, and Related Superalloys
Other Material Services
Polymer Matrix Composites
Retained Austenite Measurements
Software Providers
Steels and Other Ferrous Alloys
Titanium Alloys

Digital Materials and Definition and Informatics
Academia
Artificial Intelligence — Costs, Risks and Value
Data and Analytics
Data Management Plans
Data Privacy
Engineering Software
Engineering/Scientific Journals
GRIN Technologies
Integrated Computational Materials Engineering (ICME) and Simulations
Internet of Things
Materials Data Infrastructure
Material Data Management
On-Line/Off-Line Databases
Ontologies
Quality Management
Research and Development
Technology Transfer
Trade Association/Professional Society
U.S. Department of Commerce

Emerging Materials Technologies
Composite Materials
Functionalized and Activated Surfaces
Functional Materials and Structures
Morphing Structures
Shape Memory Materials and Applications

Engineering Applications and Related Interests
Atmosphere Equipment/Control
Electrical Engineering
Energy/Combustion
Equipment Design
Equipment Manufacturing (OEM)
Finance
Industrial Gases
Lubrication and Hydraulics
Maintenance and Reliability
Modeling Processes
Organizational Training
Plant Engineering
Project and Construction Management
Safety and Health
Sales and Marketing

Heat Treating Equipment and Services
Commercial Heat Treating
Consumables
Heat Treating
Heat Treating Equipment

Machining and Metal Cutting Equipment
Cutting Tools
Machine Tools

Materials and Manufacturing Processes
Bonding, Adhesive, Surface Prep
Casting and Solidification
Coating Processes
Forging and Forming
Machining and Machinability
Process Modeling
Surface Engineering
Welding and Joining

Materials and Processes for Automation
Durable, Long-Life Materials Solutions
Electronic Materials
Ergonomics and Machine — Human Interface Sensors
Improved Automated Machining, Forming, Coating
Improved Sensor and Display Materials
Safe Robotic and Automation Design

Materials Testing/Characterization
Color Analysis
Consumables
Corrosion Testing
Creep Testers
Equipment and Supplies
Extensometers
Failure Analysis
Fatigue Testers
Fractures Toughness Testing Equipment
Glass Testing
Hardness Testing Equipment

Image Analyzers
Impact Testers
Materials Selection
Mechanical Testing (including hardness)
Metallographic Specimen Preparation Equipment/Supplies
Metallographs
Microelectronic Failure Analysis
Microscopes
Moisture Analysis
Optical and/or Electron Microscopy (SEM, TEM, etc.)
Particle Size Analysis
Quality Control
Residual Stress Analyzers/Testers
Tensile Testers
Test/Lab Furnaces/Environmental Chambers
Thermal Analysis
Thickness Gages
Torsion Testers
Tribology
Ultrasonic Testing Equipment
Universal (Tension/Compression) Load Cell
Universal (Tension/Compression) Testing Machines

Medical/Biomaterials

Absorbable Materials
Biologically-Inspired Materials
Materials to Improve Procedure, Surgery and Visualization Outcomes
Modeling Biological Tissue and Materials
Orthopedic Implants
Soft Tissue Characterization
Value-Conscious Medical Device Innovations

Metal Forming Equipment

Lubricants

Metals and Alloys — Ferrous Metals

Cast Irons
Coke/Coke Byproducts
Dual-Phase Steels
Iron
Long Products
Other Specialty Ferrous Materials
Plate Products
Stainless Steels
Steels: Carbon and/or Alloy
Tool Steels

Nonferrous Metals

Aluminum and Aluminum Alloys
Armor
Biomaterials
Copper Alloys
Engineered Materials
Heat-Resistant Metals
Intermetallics
Magnesium Alloys
Metal-Matrix Composites (MMCs)
Nickel-, Nickel-Iron-, and Cobalt-Base High-Performance Alloys
Other Nonferrous Metals
Refractory Metals
Superalloys
Titanium Alloys
Vanadium

Plastics

Advanced Composites
Ceramic and Metallic Powder
Engineering Plastics
Fibers and Filters
Other Ferrous Metal Powders
Other Nonferrous Metal Powders
Polymers
Powder Metallurgy (P/M) Materials
Porous and Foamed Metals
Refractory Metal Powders
Silicon/Ferrosilicon
Stainless Steel Powders
Steel Powders

Processes

Alloy Production
Blast Furnace Ironmaking
Brazing
Casting
Coatings
Coke Production
Cold Rolling
Extrusion/Drawing
Firing/Drying/Melting
Heat Treating
Hot Rolling
Machining/Grinding
Mixing/Milling/Grinding
Oxygen Steelmaking
Pickling
Powder Metallurgy
Pressing (Mechanical, Hydraulic, Compacting)
Steel Refining
Surface Engineering/Modification
Thermal Spray
Vacuum Degassing
Welding/Joining

Publications

Business Magazines
Journals

Refractories/Furnace Insulation

Renewable and Unconventional Energy

Fuel Cells and Battery Materials
Lightweighting
Materials for Clean Energy
Materials for Extreme Service Conditions
Nuclear Energy — Remaining Materials and Disposal Challenges

Services — Partsmaking/ Materials Processing

Casting
Cladding
Contract/Toll Ceramic Processing
Contract Welding
CVD, PVD Coating
Machining, Grinding, Cutting, Drilling
Metal Casting
P/M Sintering
Pressing (Wet or Dry)

Surface Engineering

Commercial Surface Engineering Services and Coating Services
Consumables
Surface Treating Equipment
Thermal Spray Equipment

Sustainability

Environmental Impacts
Global Materials Industry Development
Global Supply Stability
Materials Substitution Challenges

Vacuum Equipment

Gauges
Pumps
Valves

Welding and Joining Equipment

Brazing Filter Metals
Solders
Welding Filler Metals (Electrodes, Welding Rod, Wire)

IMAT

ASM'S ANNUAL MEETING

IMAT 2022 features high-foot-traffic opportunities for exhibitors including keynotes, education courses, hands-on workshops, poster competition, and sessions with lunches, breaks, and a welcome reception.

THOUSANDS of industry professionals will be on hand to see and hear about your latest advances!

- 3,000 Attendees
- Over 700 Technical Presentations, Keynotes, and Panel Discussions
- Over 250 Exhibitors
- Over 300 Students interested in Materials Engineering
- 4 Days of Technical Programming
- 2 Days of Expo
- Multiple Networking Events, Awards, and Competitions

Exhibition Schedule-at-a-Glance:

(Times subject to change)

Monday, September 12, 2022
Exhibitor Set-up: 8:00 a.m. – 5:00 p.m.

Tuesday, September 13, 2022
Exhibit Hours: 9:00 a.m. – 5:30 p.m.

Wednesday, September 14, 2022
Exhibit Hours: 9:00 a.m. – 5:00 p.m.
Exhibitor Tear-down: 5:00 p.m. – 9:00 p.m.

Thursday, September 15, 2022
Exhibitor Tear-down: 8:00 a.m. – 12:00 p.m.

ASM INTERNATIONAL

IMAT ASM'S ANNUAL MEETING

ASM International
9639 Kinsman Road
Materials Park, OH 44073-0002