### SCHEDULE OF EVENTS

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sunday, June 16</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration</td>
<td>4:00 PM - 7:00 PM</td>
<td>3rd Floor Lakeside Foyer</td>
</tr>
<tr>
<td>President’s Welcome Reception</td>
<td>6:00 PM - 7:00 PM</td>
<td>Superior Ballroom AB - 5th floor</td>
</tr>
<tr>
<td><strong>Monday, June 17</strong></td>
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</tr>
<tr>
<td>Registration</td>
<td>7:00 AM - 5:20 PM</td>
<td>3rd Floor Lakeside Foyer</td>
</tr>
<tr>
<td>Poster Installation</td>
<td>7:00 AM - 9:50 AM</td>
<td>Hope Ballroom E</td>
</tr>
<tr>
<td>Breakfast</td>
<td>7:30 AM - 8:30 AM</td>
<td>Superior Ballroom AB - 5th Floor</td>
</tr>
<tr>
<td>All Congress Plenary</td>
<td>8:20 AM - 12:00 PM</td>
<td>Hope Ballroom D</td>
</tr>
<tr>
<td>Break</td>
<td>9:50 AM - 10:20 AM</td>
<td>Hope Ballroom E</td>
</tr>
<tr>
<td>Digital and Robotic Forming 2024: Luncheon</td>
<td>12:00 PM - 1:40 PM</td>
<td>Superior Ballroom AB - 5th Floor</td>
</tr>
<tr>
<td>Lunch (for non-ticketed luncheon attendees)</td>
<td>12:00 PM - 1:40 PM</td>
<td>On Your Own</td>
</tr>
<tr>
<td>Technical Sessions</td>
<td>1:40 PM - 5:20 PM</td>
<td>Center Street A, &amp; BC; Hope Ballroom A, B, C, &amp; D</td>
</tr>
<tr>
<td>Digital and Robotic Forming 2024: Keynote</td>
<td>1:40 PM - 2:20 PM</td>
<td>Center Street BC</td>
</tr>
<tr>
<td>Accelerating Discovery for Mechanical Behavior of Materials 2024: Keynote</td>
<td>3:00 PM - 3:30 PM</td>
<td>Hope Ballroom D</td>
</tr>
<tr>
<td>Networking Break</td>
<td>3:30 PM - 4:20 PM</td>
<td>Hope Ballroom E</td>
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<tr>
<td><strong>Tuesday, June 18</strong></td>
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<tr>
<td>Registration</td>
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</tr>
<tr>
<td>Breakfast</td>
<td>7:30 AM - 8:30 AM</td>
<td>Superior Ballroom AB - 5th Floor</td>
</tr>
<tr>
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<td>Center Street A, &amp; BC; Hope Ballroom A, B, C, &amp; D</td>
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<tr>
<td>Break</td>
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<td>Hope Ballroom E</td>
</tr>
<tr>
<td>Accelerating Discovery for Mechanical Behavior of Materials 2024: Luncheon</td>
<td>12:00 PM - 1:40 PM</td>
<td>Superior Ballroom AB - 5th Floor</td>
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</tr>
<tr>
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<td>1:40 PM - 5:20 PM</td>
<td>Center Street A, &amp; BC; Hope Ballroom A, B, C, &amp; D</td>
</tr>
<tr>
<td>Networking Break</td>
<td>3:10 PM - 4:00 PM</td>
<td>Hope Ballroom E</td>
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<tr>
<td>Poster Session and Reception</td>
<td>5:20 PM - 6:20 PM</td>
<td>Hope Ballroom E</td>
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<tr>
<td><strong>Wednesday, June 19</strong></td>
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<tr>
<td>Registration</td>
<td>7:30 AM - 5:20 PM</td>
<td>3rd Floor Lakeside Foyer</td>
</tr>
<tr>
<td>Breakfast</td>
<td>7:30 AM - 8:30 AM</td>
<td>Superior Ballroom AB - 5th Floor</td>
</tr>
<tr>
<td>Technical Sessions</td>
<td>8:30 AM - 10:00 AM</td>
<td>Center Street A, &amp; BC; Hope Ballroom A, B, &amp; C</td>
</tr>
<tr>
<td>Break</td>
<td>10:00 AM - 10:20 AM</td>
<td>Hope Ballroom E</td>
</tr>
<tr>
<td>Programming Officer Panel Discussion</td>
<td>10:20 AM - 12:00 PM</td>
<td>Center Street BC</td>
</tr>
<tr>
<td>2nd World Congress on Artificial Intelligence in Materials and Manufacturing 2024: Luncheon</td>
<td>12:00 PM - 1:40 PM</td>
<td>Superior Ballroom AB - 5th Floor</td>
</tr>
<tr>
<td>Lunch (for non-ticketed luncheon attendees)</td>
<td>12:00 PM - 1:40 PM</td>
<td>On Your Own</td>
</tr>
<tr>
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<tr>
<td>Networking Break</td>
<td>3:10 PM - 3:50 PM</td>
<td>Hope Ballroom E</td>
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<tr>
<td>Poster Dismantle</td>
<td>4:00 PM - 6:00 PM</td>
<td>Hope Ballroom E</td>
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<tr>
<td><strong>Thursday, June 20</strong></td>
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<tr>
<td>Registration</td>
<td>8:00 AM - 12:00 PM</td>
<td>3rd Floor Lakeside Foyer</td>
</tr>
<tr>
<td>Technical Sessions</td>
<td>8:30 AM - 12:00 PM</td>
<td>Center Street A; Hope Ballroom A, B, &amp; C</td>
</tr>
<tr>
<td>Morning Break</td>
<td>10:00 AM - 10:20 AM</td>
<td>Hope Ballroom E</td>
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The TMS Specialty Congress 2024 is an unparalleled gathering of professionals and researchers at the forefront of the materials science field. This vibrant, inaugural event promises a rich exchange of knowledge and ideas, featuring keynote presentations, interactive panels, and robust technical sessions covering a wide spectrum of topics on materials issues in artificial intelligence (AI), robotics, machine learning, and more. This meeting allows you to explore your technical interest in a focused, small event environment, while also having access to cross-disciplinary learning and collaboration opportunities with aligned materials communities. The TMS Specialty Congress series convenes the Society’s recurring specialty meetings with a single registration fee that includes all programming and access to multidisciplinary networking opportunities. TMS Specialty Congress 2024 will feature the following three co-located events: the 2nd World Congress on Artificial Intelligence in Materials and Manufacturing (AIM 2024), Digital and Robotic Forming 2024, and Accelerating Discovery for Mechanical Behavior of Materials 2024.

ORGANIZERS

The following individuals have been involved in stringently curating programming and organizing the TMS Specialty Congress 2024.

- **Glenn Daehn**, The Ohio State University
- **Frank Delrio**, Sandia National Laboratories
- **Adam Kopper**, Mercury Marine
- **Aeriel D.M. Leonard**, The Ohio State University
- **John Lewandowski**, Case Western Reserve University
- **Tim Rupert**, University of California
- **Taylor Sparks**, University of Utah

ORGANIZING COMMITTEE:

- **Rémi Dingreville**, Sandia National Laboratories
- **Roger H. French**, Case Western Reserve University
- **Thilo Muth**, Robert Koch Institute
- **Elsa Olivetti**, Massachusetts Institute of Technology
- **Taylor Sparks**, University of Utah
- **Pawan Tripathi**, Case Western Reserve University

- **Jian Cao**, Northwestern University
- **Kester Clarke**, Colorado School of Mines
- **Babak Raeisina**, Machina Labs
- **Iain Todd**, University of Sheffield

- **Brad Boyce**, Sandia National Laboratories
- **Daniel Gianola**, University of California, Santa Barbara
- **John Lewandowski**, Case Western Reserve University
- **Erica Lilleodden**, Fraunhofer Institute for Microstructure of Materials and Systems
- **Pania Newell**, University of Utah
- **Corinne Packard**, Colorado School of Mines
REGISTER

Attendees are required to register. Badges must be worn for admission to technical sessions, social functions, and all-conference events.

Your registration badge ensures admission to each of these events:
- Technical sessions
- Welcome reception
- Buffet breakfast (Monday, Tuesday, Wednesday, and Thursday)
- Refreshment breaks
- Poster reception
- One ticket for the luncheon of your choice

CONFERENCE DETAILS

TECHNICAL SESSIONS
All technical sessions and keynote presentations will take place in Hope Ballroom A, Hope Ballroom B, Hope Ballroom C, Hope Ballroom D, Center Street A, and Center Street B&C. Poster presentations will be held in Hope Ballroom E. Refer to the technical program for details.

INTERNET ACCESS
Complimentary internet access is available for attendees in the meeting areas. To access Wi-Fi, sign-in to the following network:

Network: Hilton_Meeting
Password: TMSSC2024

REGISTRATION HOURS
The registration desk will be in Lakeside Foyer on the 3rd Floor at the following times (subject to change):

- Sunday, June 16, 4:00 p.m. to 7:00 p.m.
- Monday, June 17, 7:00 a.m. to 5:20 p.m.
- Tuesday, June 18, 7:30 a.m. to 5:20 p.m.
- Wednesday, June 19, 7:30 a.m. to 5:20 p.m.
- Thursday, June 20, 8:00 a.m. to 12:00 p.m.

DOWNLOAD THE CONGRESS APP
Powered by Engagefully
Search “Engagefully” on the App Store® or on Google Play™. Once you’ve downloaded the Engagefully app, search for TMSSpecialtyCongress2024.

Logging in to the App
An e-mail containing links to your personalized app access was sent to the e-mail address you used to register for TMS Specialty Congress 2024. The e-mail was sent under the subject line: “Access the TMS Specialty Congress 2024 App” from noreply@rdmobile.com.

Trouble Logging In?
For assistance see TMS Staff at the registration desk located in the 3rd Floor Lakeside Foyer.

Improved Search Function
Use the search function of the app located in the “Schedule” tab to find sessions and events. Results display at the talk-level detail but will also show related sessions to your search terms. To find a specific speaker and the presentations they are providing, use the search function in the “Speakers” tab. You can also use filters to narrow your results and navigate the meeting with ease.

Receive App Notifications
Enable notifications from the app to be alerted when key events are happening or important updates are announced.

Access a Web-Based Version of the App
Visit https://events.rdmobile.com/Events/Enter/18003 to access a web-based version of the app’s tools.
AIM 2024
Congress participants are encouraged to submit their work to the TMS journal *Integrating Materials and Manufacturing Innovation*, which will be publishing a topical collection dedicated to the meeting. This collection will take the place of a traditional conference proceedings publication. Only submissions from attendees will be considered for this collection. Submissions will go through the journal's standard peer review process, and there is no guarantee of acceptance. Submissions are due **August 31, 2024**.

DIGITAL AND ROBOTIC FORMING 2024
Congress participants are encouraged to submit their work to the TMS journal *Integrating Materials and Manufacturing Innovation*, which will be publishing a topical collection dedicated to the meeting. This collection will take the place of a traditional conference proceedings publication. Only submissions from attendees will be considered for this collection. Submissions will go through the journal's standard peer review process, and there is no guarantee of acceptance. Submissions are due **August 31, 2024**.

MECHANICAL BEHAVIOR 2024
Meeting participants are encouraged to submit their work to the TMS journal *JOM*, which will be publishing a topical collection dedicated to the event. This collection will take the place of a traditional conference proceedings publication. Only submissions from participants will be considered for this collection. Submissions will go through the journal's standard peer review process and there is no guarantee of acceptance. Submissions are due **September 1, 2024**.

ALL-CONGRESS PLENARY SPEAKERS

Date: June 17, 2024 | Time: 8:20 a.m. to 12:00 p.m. | Location: Cleveland Hilton, Hope Ballroom D

Chris Eberl, Fraunhofer Institute and University of Freiburg
**Presentation:** Navigating the Digital Transformation in Materials Science and Engineering and Your Role in Shaping Tomorrow

Emily Molstad, VALIS Insights
**Presentation:** Recovering Resources from the Past: How AI Can Enable a More Circular Future

Ian Foster, Argonne National Laboratory and the University of Chicago
**Presentation:** Advancing Materials Science: Intelligent Agents in Data-driven Discovery

Charles Ward, Air Force Research Laboratory (Retired)
**Presentation:** Thriving in the Digital Epoch of Materials and Manufacturing
OPEN TO ALL ATTENDEES!

Date: June 19, 2024 | Time: 10:30 a.m. to 12:00 p.m. | Location: Cleveland Hilton, Hope Ballroom D

TMS Specialty Congress 2024 will feature a dynamic panel discussion featuring distinguished leaders from prominent government programs dedicated to funding research in materials science and engineering. Gain insights into the funding landscape for materials research, as panelists discuss the strategic priorities of their respective agencies, highlight key funding opportunities, and share tips for navigating the grant application process. Don’t miss this opportunity to engage with leaders at the forefront of materials research and chart the course towards a brighter, more technologically advanced future.

MEET THE ESTEEMED PANELISTS:

David Furrer, Pratt & Whitney

Khershed Cooper, National Science Foundation (NSF)

Philseok Kim, Program Director, Advanced Research Projects Agency – Energy (ARPA-E), Department of Energy (DOE)

Glenn Daehn, HAMMER, The Ohio State University

Moderator: Alexis Lewis, Deputy Division Director, NSF

David Furrer, Pratt & Whitney

Somnath Ghosh, Johns Hopkins University

DIGITAL AND ROBOTIC FORMING

Date: June 17, 2024 | Time: 1:40 p.m. to 2:20 p.m. | Location: Cleveland Hilton, Center Street BC

ACCELERATING DISCOVERY FOR MECHANICAL BEHAVIOR OF MATERIALS 2024

Date: June 17, 2024 | Time: 3:00 p.m. to 3:30 p.m. | Location: Cleveland Hilton, Hope Ballroom D

TMS Specialty Congress 2024 will feature a dynamic panel discussion featuring distinguished leaders from prominent government programs dedicated to funding research in materials science and engineering. Gain insights into the funding landscape for materials research, as panelists discuss the strategic priorities of their respective agencies, highlight key funding opportunities, and share tips for navigating the grant application process. Don’t miss this opportunity to engage with leaders at the forefront of materials research and chart the course towards a brighter, more technologically advanced future.

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Glenn Daehn, HAMMER, The Ohio State University

Moderator: Alexis Lewis, Deputy Division Director, NSF
PRESIDENT’S WELCOME RECEPTION
Please join us for the President’s Welcome Reception on Sunday, June 16, from 6:00 p.m. to 7:00 p.m. in Superior Ballroom AB on the 5th Floor. This event is an excellent opportunity to meet the TMS President, mingle with fellow attendees, and kickstart the TMS Specialty Congress 2024 in a celebratory atmosphere. Don’t miss out on this special event filled with networking, camaraderie, and excitement as we come together to embark on a memorable journey of knowledge exchange and collaboration.

BREAKFAST
Start your mornings off right with a hearty breakfast served from 7:30 a.m. to 8:30 a.m. in Superior Ballroom AB on the 5th Floor. Join us on Monday, Tuesday, Wednesday, and Thursday to fuel up for the day ahead while enjoying a selection of delicious breakfast options. This convenient and energizing start to your day ensures you’re ready to make the most of each session, networking opportunity, and discussion throughout the congress.

NETWORKING BREAKS
Join us for informal, longer breaks on Monday, Tuesday, and Wednesday afternoons in Hope Ballroom E. These dedicated sessions offer the perfect chance to engage in discussions with colleagues, fostering meaningful connections and exchanges of ideas. Whether you’re looking to network, collaborate, or simply unwind, these breaks provide a welcoming environment for all attendees to come together and build lasting professional relationships.

POSTER RECEPTION
Join us on Tuesday, June 18, from 5:20 p.m. to 6:20 p.m. in Hope Ballroom E for the poster reception. Enjoy light refreshments while mingling with fellow attendees and viewing posters showcasing the latest research and innovations in the field. Don’t miss this fantastic opportunity to engage with peers, exchange insights, and gain inspiration during this vibrant and interactive event.

LUNCHEONS
Join us for the congress luncheons, all taking place in Superior AB on the 5th Floor. All full-conference registrants receive one ticket to the luncheon of their choice included in their registration fee. Please note that pre-registration was required, and no additional tickets will be available onsite.

- **Monday, June 17, 2024:** Digital and Robotic Forming 2024
- **Tuesday, June 18, 2024:** Accelerating Discovery for Mechanical Behavior of Materials 2024
- **Wednesday, June 19, 2024:** AIM 2024

MDISCOVERY CHALLENGE ANNOUNCEMENT

**Date:** June 17, 2024  |  **Time:** 4:20 p.m.  |  **Location:** Cleveland Hilton, Hope Ballroom A

Be sure to attend this session as the MDiscovery Challenge at TMS Specialty Congress 2025 is announced. This challenge promises an exciting glimpse into the future of materials science and manufacturing innovation. Join us and learn more about how to participate in this challenge.
CLEVELAND HILTON
100 Lakeside Ave E | Cleveland, OH 44114
The Cleveland Hilton is ideally located in the heart of downtown Cleveland. Friendly staff and inviting interior spaces help to make guests feel at home. The hotel’s amenities include high-speed internet access, a state-of-the-art fitness center, a business center, and both room service and on-site restaurants. The city and its surrounding area are full of tourist attractions and interesting destinations, including the Rock & Roll Hall of Fame, the Cleveland Museum of Art, West Side Market, Progressive Field, and the Cleveland Zoo, as well as a plethora of shopping and dining options.

EXPLORE THE CLEVELAND HILTON RESTAURANTS
The Cleveland Hilton has several on-site dining options to suit every palate.

Burnham Restaurant
Breakfast/Lunch: 6:30 a.m. to 2 p.m.*, Monday – Friday
Brunch: 6:30 a.m. to 2 p.m.*, Saturday and Sunday
Dinner: 5:00 p.m. to 10:00 p.m.*, Monday – Saturday
*subject to change based on occupancy

Bar 32
Tuesday – Thursday: 4:00 p.m. to 1:00 a.m.
Friday and Saturday: 4:00 p.m. to 1:00 a.m.
Food Served Until 11:00 p.m.

Eliot’s
Sunday – Thursday: 2:00 p.m. to 12:00 a.m.
Friday and Saturday: 2:00 p.m. to 1:00 a.m.
Last Call for Alcohol: 30 minutes Prior to Closing
Kitchen Closes Nightly at 12:00 a.m.
Last Food Order Taken at 11:30 p.m.

In-Room Dining
Breakfast: 7:00 a.m. to 11:00 a.m., Daily
Dinner: 5:30 p.m. to 10:00 p.m., Daily

CORPORATE SPONSORS
TMS would like to thank our corporate sponsors for supporting this event:

American Elements
www.americanelements.com

Thermo-Calc Software
www.thermo-calc.com
BADGES
All attendees must wear registration badges at all times during the conference to ensure admission to events included in the paid fee, such as technical sessions and receptions.

REFUNDS
The deadline for all refunds was April 30, 2024. No refunds will be issued at the conference. Fees and tickets are nonrefundable.

CELL PHONE USE
In consideration of attendees and presenters, we kindly request that you minimize disturbances by setting all cell phones and other devices on “silent” while in meeting rooms.

AMERICANS WITH DISABILITIES ACT
The federal Americans with Disabilities Act (ADA) prohibits discrimination against, and promotes public accessibility for, those with disabilities. In support of, and in compliance with ADA, we ask those requiring specific equipment or services to contact TMS Meeting Services at mtgserv@tms.org or by visiting the registration desk onsite.

ANTI-HARASSMENT
In all activities, TMS is committed to providing a professional environment free of harassment, disrespectful behavior, or other unprofessional conduct.

TMS policy prohibits conduct that is disrespectful, unprofessional, or harassing as related to any number of factors including, but not limited to, religion, ethnicity, gender, national origin or ancestry, physical or mental disability, physical appearance, medical condition, partner status, age, sexual orientation, military and veteran status, or any other characteristic protected by relevant federal, state or local law or ordinance or regulation.

Failure to comply with this policy could lead to censure from the TMS Board of Directors, potential legal action, or other actions.

Anyone who witnesses prohibited conduct or who is the target of prohibited verbal or physical conduct should notify a TMS staff member as soon as possible following the incident. It is the duty of the individual reporting the prohibited conduct to make a timely and accurate complaint so that the issue can be resolved swiftly.

PHOTOGRAPHY AND RECORDING
TMS reserves the right to all audio and video reproduction of presentations at TMS-sponsored meetings. By registering for this meeting, all attendees acknowledge that they may be photographed by TMS personnel while at events and that those photos may be used for promotional purposes, in and on TMS publications and websites, and on social media sites.

Any recording of sessions (audio, video, still photography, etc.) intended for personal use, distribution, publication, or copyright without the express written consent of TMS and the individual authors is strictly prohibited. Attendees violating this policy may be asked to leave the session.

ANTITRUST COMPLIANCE
TMS complies with the antitrust laws of the United States. Attendees are encouraged to consult with their own corporate counsel for further guidance in complying with U.S. and foreign antitrust laws and regulations.

TMS DIVERSITY AND INCLUSION STATEMENT
TMS is committed to advancing diversity in the minerals, metals, and materials professions, and to promoting an inclusive professional culture that welcomes and engages all who seek to contribute to the field. TMS recognizes that a diverse minerals, metals, and materials workforce is critical to ensuring that all viewpoints, perspectives, and talents are brought to bear in addressing complex science and engineering challenges. To build and nurture this diverse professional community, TMS welcomes and actively engages the participation of underrepresented groups in all of its initiatives and endeavors.
The chances of an emergency situation occurring at Specialty Congress 2024 are quite small. However, being prepared to react effectively in case of an incident is the most critical step in ensuring the health and safety of yourself and those around you. Please take a few moments to review the maps of the Hilton Cleveland printed in this program. When you enter the building, familiarize yourself with the exits and the stairs leading to those exits. When you arrive at your session or event location, look for the emergency exits that are in closest proximity to you. If you are staying at the Cleveland Hilton, please review the evacuation routes and emergency procedures in your hotel room after checking-in.

Should you or anyone near you experience anything requiring either immediate security or medical attention, please alert someone on the TMS staff. If it’s a true medical emergency, please dial 911 first.

**EMERGENCY PROCEDURES**

In An Emergency, Dial 911.

**NEAREST POLICE DEPARTMENT:**
Cleveland Police Department, Third District
4501 Chester Ave
Cleveland, Ohio 44103
+1 216-623-5300

**NEAREST HOSPITAL:**
Cleveland Clinic - Lutheran Hospital
1730 W 25th St
Cleveland, Ohio 44113
+1 216-696-4300
https://my.clevelandclinic.org/locations/lutheran-hospital

**NEAREST FIRE DEPARTMENT:**
Cleveland Fire Department, Fire Station #28
312 Carnegie Ave
Cleveland, Ohio 44115
+1 216-664-6800

**URGENT CARE:**
Downtown Express Care Clinic
315 Euclid Ave
Cleveland, OH 44114
+1 216-442-6700
https://my.clevelandclinic.org/locations/directions/444-downtown-express-care-clinic
TMS offers programming that spans the technical interests of the global minerals, metals, and materials community.

**UPCOMING MEETINGS**

**SUPERALLOYS 2024**
September 8–12, 2024
Champion, Pennsylvania, USA
DISCOUNT REGISTRATION DEADLINE: JULY 15, 2024
www.tms.org/Superalloys2024

**TMS FALL 2024**
October 6–9, 2024
Pittsburgh, Pennsylvania, USA
DISCOUNT REGISTRATION DEADLINE: AUGUST 22, 2024
www.tms.org/TMSFall2024

**THE WORLD COMES HERE. TMS 2025**
154th Annual Meeting & Exhibition
March 23–27, 2025
Las Vegas, Nevada, USA
ABSTRACT SUBMISSION DEADLINE: JULY 1, 2024
www.tms.org/TMS2025

**TMS SPECIALTY CONGRESS 2025**
June 15–19, 2025
Anaheim, California, USA
ABSTRACT SUBMISSION DEADLINE: OCTOBER 30, 2024
www.tms.org/SpecialtyCongress2025

**COPPER 2025**
November 16–20, 2025
Phoenix, Arizona, USA
ABSTRACT SUBMISSION DEADLINE: NOVEMBER 1, 2024
www.extractionmeeting.org/2025

**TMS FALL 2025**
September 28–October 1, 2025
Columbus, Ohio, USA
SAVE THE DATE
www.tms.org/TMSFall2025

For a complete listing of upcoming meetings, scan this QR code or visit www.tms.org/UpcomingMeetings
TMS offers a variety of online and in-person courses that span the technical interests of the global minerals, metals, and materials community.

**TMS ONLINE COURSE**

**Metallurgical and Materials Engineering PROFESSIONAL ENGINEER (PE) LICENSING EXAM REVIEW COURSE**
July 30, August 1, and 6–8, 2024
Online Course
**DISCOUNT REGISTRATION DEADLINE:** JUNE 28, 2024
www.tms.org/PEReview2024

**TMS ONLINE COURSE**

**VERIFICATION, VALIDATION, AND UNCERTAINTY QUANTIFICATION IN THE COMPUTATIONAL MODELING OF MATERIALS AND STRUCTURES**
August 20-22, 2024
Online Course
**DISCOUNT REGISTRATION DEADLINE:** JULY 22, 2024
www.tms.org/VVUQ2024

**TMS ALUMINUM COURSE**

**INDUSTRIAL ALUMINUM ELECTROLYSIS**
Course on Advancing Aluminum Production
December 1-6, 2024
Sydney, Australia
**DISCOUNT REGISTRATION DEADLINE:** NOVEMBER 1, 2024
www.tms.org/IAE2024

For a complete listing of upcoming courses and other professional development events, scan this QR code or visit
www.tms.org/UpcomingMeetings
Key issues and future pathways in the implementation of artificial intelligence.
www.tms.org/AIM2025

Recognized hub of interaction that focuses on integration priorities in the field.
www.tms.org/ICME2025

3D characterization, visualization, and more of structure–property relationships of materials.
www.tms.org/3DMS2025

Learn more and submit an abstract today at:
www.tms.org/SpecialtyCongress2025
CALL FOR ABSTRACTS

SUBMIT YOUR WORK BY JULY 1

Act now to present your work at the TMS 2025 Annual Meeting & Exhibition (TMS2025) in Las Vegas. This year’s technical program consists of more than 100 symposia in 11 topic tracks. Choose the one that most closely matches your interests!

TOPIC TRACKS

- Additive Manufacturing
- Advanced Characterization Methods
- Biomaterials
- Data-Driven and Computational Materials Design
- Electronic, Magnetic, and Energy Materials
- Light Metals
- Materials Degradation and Degradation by Design
- Materials Synthesis and Processing
- Mechanics of Materials
- Nuclear Materials
- Special Topics

Submit your abstract today, visit www.tms.org/TMS2025
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