# 2nd World Congress on AIM 2024
## ARTIFICIAL INTELLIGENCE in MATERIALS & MANUFACTURING

**TMS SPECIALTY CONGRESS 2024**

**JUNE 16-20, 2024**
Cleveland Hilton
Cleveland, Ohio, USA

# REGISTER NOW

The TMS World Congress on Artificial Intelligence in Materials and Manufacturing (AIM 2024) is the second event of its kind to focus on the role of artificial intelligence (AI) in materials science and engineering and related manufacturing processes. AIM 2024 will convene stakeholders from academia, industry, and government to address key issues and future pathways.

AIM 2024 will include the following specific technical topics:

- AI Application to Non-Destructive Evaluation (NDE & Data)
- Bridging Length Scales (from Laboratory to Manufacturing)
- Data Management: Curation, Collection, and Verification
- High-Throughput Synthesis & Characterization
- Image Processing
- Large Language Models (LLMs) for Materials
- Machine Learning Algorithm Development for Materials Science
- Machine Learning/Deep Learning applied to Manufacturing Process Optimization
- Machine Learning/Deep Learning applied to Discovery of Materials
- Robotics & Automation

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 this 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. The journal submission deadline is August 31, 2024.

## ORGANIZERS

**LEAD ORGANIZER:**

- **Adam Kopper**, Mercury Marine

**ORGANIZING COMMITTEE:**

- **Rémi Dingreville**, Sandia National Laboratories
- **Roger H. French**, Case Western Reserve University
- **Thilo Muth**, BAM Federal Institute for Materials Research and Testing
- **Elsa Olivetti**, Massachusetts Institute of Technology
- **Adrian Sabau**, Oak Ridge National Laboratory
- **Taylor Sparks**, University of Utah
- **Pawan Tripathi**, Case Western Reserve University

Learn more and register at
**www.tms.org/AIM2024**

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The Minerals, Metals & Materials Society