

# Technical Conferences

We strongly believe in the power of knowledge exchange and collaboration. Hosting conferences is a vital part of our mission to foster innovation, drive progress, and address global challenges. These events provide a unique platform for academics, industry professionals, and students to come together, share insights, and explore new ideas.

## Why Conferences Matter

1.

**Knowledge Dissemination:** Conferences allow us to disseminate cutting-edge research and advancements in various fields. They create opportunities for researchers to present their findings, receive feedback, and engage in meaningful discussions with peers.

2.

**Networking and Collaboration:** By bringing together experts from diverse backgrounds, conferences facilitate networking and collaboration. Attendees can form valuable connections, establish partnerships, and initiate collaborative projects that can lead to groundbreaking innovations.

3.

**Professional Development:** Conferences offer attendees the chance to enhance their skills and knowledge through workshops, panel discussions, and keynote presentations. They provide a platform for continuous learning and professional growth.

4.

**Showcasing Excellence:** Hosting conferences allows us to showcase our university's strengths and contributions to the academic community. It highlights our commitment to research, education, and societal impact.

International Conference on High-Performance Mining (HPM)



The International High-Performance Mining Conference is an esteemed international event organised every two years by the Institute for Advanced Mining Technologies (AMT) and supported by VDMA Mining as co-organiser, gathering experts from the mining industry, academia, policy, and associations. This conference is unique in its focus on enhancing productivity in modern high-performance mining, showcasing best practices from around the globe.

## Key Highlights

1.

**Global Audience:** The conference attracts participants from all corners of the world, fostering a diverse and inclusive environment for knowledge exchange.

2.

**Productivity Focus:** Discussions revolve around innovative conditions and opportunities for increasing productivity in mining operations, with real-world examples of best practices.

3.

**Non-Commercial Intent:** The event is designed to facilitate impartial and insightful discussions, free from commercial interests.

4.

**Wide Range of Topics:** The conference covers critical areas for the future of mining, such as digitalization, automation, decarbonization, and non-technological challenges.

5.

**Research-Practice Integration:** It promotes collaboration between the supplier industry and international mining companies, as well as between research and practical applications.

## **Inspiring Change in the Global Mining Industry**

The High-Performance Mining Conference is about inspiring change in the global mining industry and making the mine of the future tangible. The program contains two days filled with presentations and discussions on benchmark projects from mines and suppliers in technology development and deployment, technology innovation, process optimization, and responsible mining practices.

## **Thematic Focus**

Session themes include new frontiers in automation, digitalization, and electrification, along with the larger context of what we call the human-centred climate smart mine of the future. Presentations will focus on an integrated approach to considering people, technology, and the environment in innovation processes and transformation. Several presentations will feature joint presentations by mine operators and suppliers or research partners and a range of international speakers.

## **Networking Opportunities**

The Conference is designed to be a platform not only for inspirational content but to form new partnerships and meet many experts from industry and research, from within and outside of Germany. Networking will be facilitated through breaks, our exhibition area, and during our evening reception on Thursday.

## **Save the Date**

For further information following the [Link](#)

24./25.09.2025

# International High-Performance Mining Conference 2025

The Future is now: Capability, Collaboration and Technology  
to enable responsible Mine Production

## 35th Annual General Meeting and Conference from The Society of Mining Professors

We are excited to announce that this year's 35th Annual Genral Meeting of the Society of Mining Professors (SOMP) will take place from September 4th to 10th, 2025, in the historic city of Aachen. SOMP, a leading global organization, brings together renowned mining professors and professionals from around the world to promote the exchange of knowledge and innovations in the mining industry.

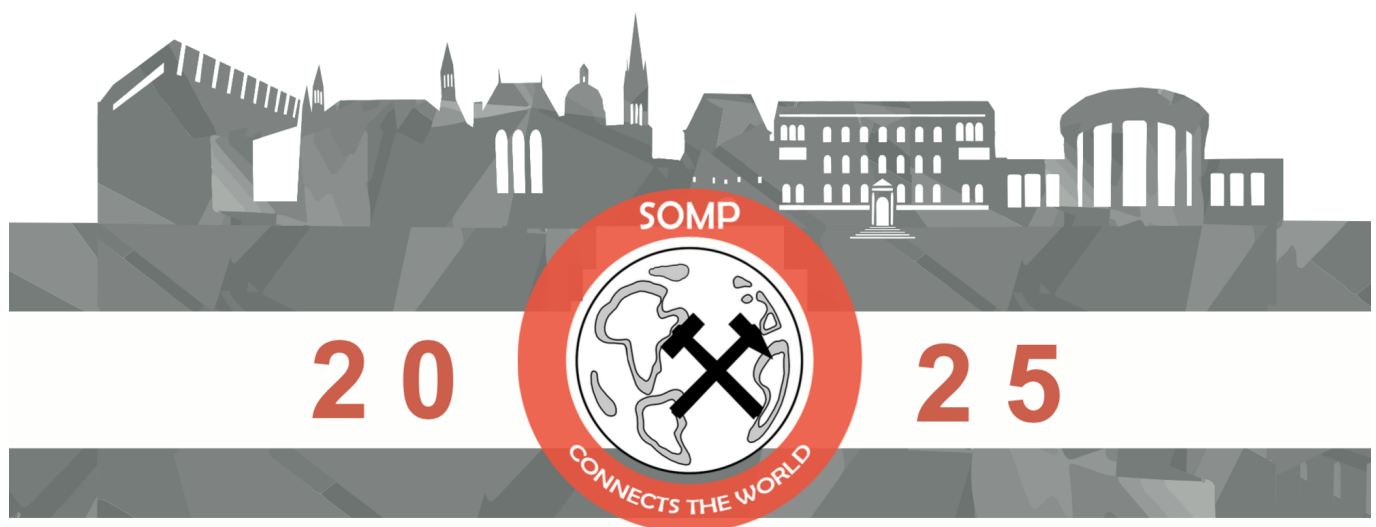
The annual meetings of the SOMP are a cornerstone of the international mining community. They provide a unique platform for interdisciplinary exchange, the presentation of research findings, education innovations and best practices, and the discussion of current challenges and solutions in the mining sector. Following the successful conferences in Sydney (2024) and Clausthal (2023), we continue our tradition of strengthening global connections and fostering groundbreaking developments.

Aachen, known for its rich history and its prestigious RWTH Aachen University, is the perfect setting for this significant event. The city offers not only an impressive backdrop but also top-notch facilities and a vibrant academic atmosphere. Participants will have the opportunity to engage in inspiring discussions and forge new connections in this dynamic environment.

We warmly invite all professionals, academics, and interested guests to attend this important event and contribute to its success. Together, we will shape the future of mining and strengthen global networks.

We look forward to welcoming you to Aachen in September 2025.

For further information following the [Link](#)



**RWTHAACHEN**  
UNIVERSITY

## Predecessor Events

The International High-Performance Mining Conference evolved from their predecessor events, the **Smart Mining Conference (2019 and 2021)**, the **"Forum Bergbau 4.0" (2015 and 2017)** and the **"AKIDA" - Aachen Colloquium for Maintenance, Diagnosis and Plant Monitoring**.

The Akida was first organized in **1996 by the Institute for Mining and Metallurgical Engineering (IBH)**, one of the predecessor institutes of the AMT, and dealt with various topics and trends in the fields of plant monitoring & diagnostics in the heavy machinery and raw materials sector.

The Forum Bergbau 4.0 and later on Smart Mining Conference (SMC) brought together international mining companies, suppliers and experts from research and industry to **discuss current trends and developments as well as new applications and opportunities specifically in the field of automation and digitalisation** of mining processes and machines.

The expansion of the thematic focus to include areas such as electrification and the integration of human-centered aspects like diversity and inclusion, collaboration and partnerships, and talent management has led to the development of the present-day International High Performance Mining Conference.

By broadening the scope of the conference, it now addresses not only the technological advancements and efficiency improvements in mining but also emphasizes the importance of creating a more inclusive and collaborative industry. These human-centered aspects are crucial for fostering a positive work environment, promoting innovation, and ensuring sustainable development within the mining sector.

Overall, the International High Performance Mining Conference has evolved to become a comprehensive platform that addresses both technical and human-centered challenges and opportunities in the mining industry.