



24./25.09.2025

International High-Performance Mining Conference 2025

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



Dear Members of the global Mining Community,

I'm excited to announce the 4th International Conference on High-Performance Mining (HPM), taking place on 24./25.09.2025 at the Super C, located on the premises of RWTH Aachen University.

This year's conference continues our mission to inspire change in the global mining industry and make the mine of the future tangible. Over the course of two days, we will explore benchmark projects that showcase cutting-edge advancements in technology innovation, deployment, process optimization, and responsible mining practices.

The program is designed to spark thought-provoking discussions around current trends in automatization, digitalization, electrification, and the human-centered, climate-smart mine of the future. Beyond technical innovations, sessions will also address the importance and possibilities of an integration of people, technology, and the environment in innovation and transformation processes.

As an international platform for forging new connections and partnerships, the HPM 2025 will offer abundant networking opportunities in our exhibition area and our exclusive evening reception and enable you to connect with global experts and partners from across the mining industry.

It would be my pleasure to welcome you in Aachen in September!

Kind regards,
Univ.-Prof. Dr.-Ing. Elisabeth Clausen
Conference Host
Director, Institute for Advanced Mining Technologies
RWTH Aachen University





High Performance Mining

An RWTH Aachen University event

Why Attend?

Be a Part of Mining's Global Future!

- **Inspiring Innovations:**
Learn from case studies and success stories, presented by mine operators, technology providers, and researchers.
- **Integrated Approaches:**
Explore solutions that address challenges by aligning people, technology, and environmental considerations.
- **Exceptional Networking Opportunities:**
Strengthen your network during coffee and lunch breaks, the exhibition area, and the evening reception.

With a program designed to foster innovation and collaboration, the HPM 2025 provides a unique platform to showcase your company, products, and services, form new partnerships, and connect with industry and research experts from around the world. Networking opportunities abound in the exhibition area, during coffee and lunch breaks, and at the evening reception.

Over two days, the conference program will offer cutting-edge themes such as automation, digitalization, and electrification within the broader vision of a human-centered, climate-smart mine. Presentations and discussions emphasize an integrated approach, considering people, technology, and the environment, with many sessions featuring collaborative case studies jointly presented by mine operators and suppliers or research partners.

The International Conference on High-Performance Mining is a must-attend event for everyone who is actively engaged in shaping the future of the mining industry towards sustainable, smart, and innovative practices that unite humans, technology, the environment and society in a holistic manner.

Program Overview

**September 24 – 25, 2025,
Super C, RWTH Aachen University**

This year's 4th International Conference on High-Performance Mining (HPM) is dedicated to responsible and future-oriented mining practices. Under the heading “The Future is now: Capability, Collaboration & Technology to enable Responsible Mine Production”, we will be addressing the industry's most pressing issues – from responsible raw material extraction and sustainable production processes to the role of automation and digitalization on the way to a networked, integrated and socially acceptable mine of the future.

In addition to technical innovations, a central concern of HPM 2025 is the sustainable supply of raw materials in Europe – a topic that is becoming particularly important in view of global challenges and a changing market. Digital technologies, autonomous systems and advanced approaches in the electrification of mining serve as key drivers for making production processes not only more efficient, safer and more environmentally friendly, but also meeting the increased demands for sustainability and social acceptance.

Interactive panel discussions will also shed light on the need for further innovations that are required to master the complex challenges facing the industry. New approaches and interdisciplinary solution strategies will be presented to show how people, processes and technology can work together as an integral unit to set the course for future-oriented mining production.

HPM 2025 offers you not only high-quality presentations, but also interactive formats in which you can discuss the paths to sustainable and innovative mining production with international experts.

The future is now - be part of it and shape it!



Program Schedule

Day 1 – Wednesday, 24 September 2025

09:00 – 10:30

Lab Tour AMT

Exclusive guided tour of the AMT Institute, showcasing current research and development projects.

10:30 – 11:00

Registration & Networking (Main Conference)

11:00 – 12:30

Opening Session & Keynotes

Welcome by the organizers followed by keynote presentations.

12:30 – 13:30

Lunch Break

13:30 – 15:00

Session 2: New Horizons / New Mining Projects

Presentations on new mining projects and the opportunities the CRMA offers for European mining initiatives.

15:00 – 15:30

Break

15:30 – 17:00

Session 4: Autonomous Mine

Autonomous excavators and machinery, developments in connected autonomous operations, and the latest automation trends.

17:00 – 17:30

Exhibitor Pitches

Meet the exhibitors and learn about their capabilities in short 5 min pitches.

From 18:30

Reception Forum M – Evening Event Kick-off

19:00

Opening and Sponsor Presentation

Welcome remarks by sponsors.

19:30

Buffet Opening & Networking Reception

Casual networking over dinner.

Day 2 – Thursday, 25 September 2025

08:30 – 09:00

Registration & Networking

09:00 – 09:10

Welcome and Opening

09:10 – 10:30

Session 5: Digital Mine

Digital platforms, real-time data analytics, and smart technologies: how digitalization is revolutionizing productivity and transparency in mining.

10:30 – 11:00

Break – Mix and Mingle

Coffee break with a chance to visit exhibitor booths.

11:00 – 12:30

Session 6: Green Mine

Climate-friendly solutions, innovative processes, and case studies demonstrating how mining can be made energy-efficient and environmentally responsible.

12:30 – 13:30

Wrap-Up and Closing

Summary of conference outcomes and outlook on future developments.

13:30 – 14:00

Lunchbreak & Networking

Conference fees

Learn more about the conference fees and secure your spot at HPM 2025!

Regular	475 €
Regular – Early Bird (until 31.07.)	425 €
Reduced (public institutions, authorities, speaker)	375 €

Secure your spot here: <https://tinyurl.com/HPMCON>



Accommodation

Book your accommodation conveniently through our hotel portal for HPM 2025 participants.

www.aachen-tourismus.de/HPM2025

A map of Aachen, Germany, showing the locations of several hotels. The map includes labels for 'Aachen West', 'Ponttor', 'Westpark', and 'Hauptbahnhof'. Red location pins are placed on the map, with lines connecting them to information boxes. The information boxes provide details about the hotels, including their names, addresses, star ratings, and descriptions. The hotels listed are: Parkhotel Quellenhof Aachen, INNSiDE Aachen, Minx-City Hotels, B&B Hotel Aachen-City, and Mercure Hotel Aachen am Dom. The map also shows the locations of 'Super C', 'Rathaus Aachen', and 'Forum M'.

Parkhotel Quellenhof Aachen

Monheimsallee 52

The Parkhotel Quellenhof Aachen welcomes you in the heart of the city, right next to the Eurogress congress center and the Kurpark.

★★★★★

INNSiDE Aachen

Sandkaulstraße 20

The INNSiDE by Melia Aachen is located in the middle of Aachen, a stone's throw from the main tourist attractions.

★★★

Minx-City Hotels

Seilgraben 2 / Sandkaulbach 14

The non-smoking 3-star-superior Hotel is located in the centre of Aachen, each a 7-minute walk to the Cathedral and Eurogress Congress Centre.

B&B Hotel Aachen-City

Großkölnstraße 57-63

The hotel, opened in September 2020, offers 144 air-conditioned rooms in the historic city center. Free Wi-Fi and Sky TV are included.

★★★

Mercure Hotel Aachen am Dom

Peterstraße 1

Just a stone's throw away from Aachen's most popular attractions there is the 3-star-superior Hotel Mercure Aachen am Dom.

★★★★★

Aquis Grana Cityhotel

Büchel 32

Boasting a privileged location within the centre of the historic old town of Aachen, the Aquisgrana Cityhotel features a total of 98 modern and comfortably furnished non-smoking rooms.

Event Venue – Super C @ RWTH Aachen

The Super C at RWTH Aachen University offers a modern and dynamic venue that reflects the university's commitment to excellence and innovation. As one of Europe's leading technical universities, RWTH Aachen is renowned for its cutting-edge research and strong industry connections, consistently ranking among the top institutions globally for engineering and technology. Its status as a hub for interdisciplinary collaboration and groundbreaking advancements makes it the perfect setting for the International Conference on High-Performance Mining, bringing together global experts to shape the future of industry.



Publishing Information

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