

Name

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Address 1

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Address 2

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Mobile (voluntary)

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Email address

GDMB Gesellschaft der Metallurgen und Bergleute e. V.  
Arbeitskreis Jungmitglieder  
Paul-Ernst-Straße 10  
38678 Clausthal-Zellerfeld  
Freiberg, 28.09.2020

**Profile of the mining simulation game on the occasion of the AKJM meeting for the digital High Performance Mining (HPM) Conference from November 16 to 19, 2020 in Aachen**

Dear applicants,

this year's HPM Conference will be supplemented by a Techathon. This project is organized by the Institute for Advanced Mining Technologies AMT, the Association of German Machine and Plant Engineering VDMA and the Society of Metallurgists and Miners GDMB e. V.

There are two overarching goals of the Techathon: On the one hand, the networking of students from different (mining) universities. On the other hand, the challenge of technical knowledge and your own creativity in developing an engineering solution.

What is special: The problem posed is highly topical and the conditions surrounding the task are realistic. There is also the opportunity to network at the HPM and ask the experts present for advice and opinions.

*The free places are limited to a total of 25.*

If a larger number of applications are received, the following criteria will be used:

- The largest possible number of participating universities
- The largest possible number of participating professions / specializations
- The largest possible number of participating semesters
- Receipt of the documents
- Motivation

The entries in this document and the return are therefore to be understood as an application and are, at the present time, not to be equated with the confirmation of participation. These will be sent to you in the week before the HPM Conference.

In order to be able to assign you to a potential group, you have to provide some information about yourself. This includes a self-assessment of topics in which you have a particular interest or see a focus (e.g. internship / training in an associated area, topic area worked on within a thesis, very good final grade in the relevant examination subject, etc.). The answer should be as truthful and realistic as possible, as this information is used to put together small groups of up to five people.

Name:

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Date of Birth:

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University:

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Topic of Studies:

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Profession:

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Semester:

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Graduation Title:

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Current Semester:

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Strengths on the topic (to choose from):

1. Law, mining law
2. Design of mine ventilation
3. Ventilation technology (machine and drives / fan technology)
4. Design of transport processes in underground facilities
5. Machine technology with pneumatic tires
6. Track-bound machine technology
7. Machine technology (mechanics)
8. Electrical engineering
9. Automation technology
10. Autonomous processes
11. Computer science
12. Programming
13. Digitization
14. Security technology
15. Management and organization
16. Optimization procedure
17. Tunneling technology, tunneling methods

A maximum of three strengths can be selected.

strength 1

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strength 2

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strength 3

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Finally the following question is to answer in max. three sentences:

The term “mining Techathon” certainly seems very vague: it is actually the first edition. What expectations or goals do you associate with your participation?

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If you have any questions, the GDMB, and especially the Young Members Working Group (AKJM), is at your disposal; at every mining university (RWTH Aachen, TH Georgius Agricola Bochum, TU Clausthal and TU Bergakademie Freiberg) there are stud. Representative ready. They are informed about the details of the simulation game and can answer questions quickly. Students from other universities or should questions remain unanswered, please contact the main office of the GDMB / AKJM in Clausthal. The following people will be happy to help you:

RWTH Aachen	Paul Heuermann	Mail: paul.heuermann@rwth-aachen.de
THGA Bochum	Lukas Manthey	Mail: lmanthey@hagerbach.ch
TU Clausthal	Niklas Hartung	Mail: n.hartung@outlook.com
TU Bergakademie Freiberg	Patrick Reimann	Mail: patrick.reimann@student.tu-freiberg.de
GDMB HQ, Head office	Lena Meyer	Phone: +49 5323 9379 11 (Office) (+49 177 1911 098) Mail: akjm@gdmb.de
International Universities	Lukas Manthey	Phone: +49 177 8937258 Mail: lmanthey@hagerbach.ch

Please send the completed document back to the following email address by **November 8th, 2020** at the latest: **akjm@gdmb.de** z. H. Lena Meyer with the subject: **"Application HPM mining simulation game 2020 - Name"**

We are already pleased about your interest and promise you an exciting time; Good luck!