

## EIT Raw Materials

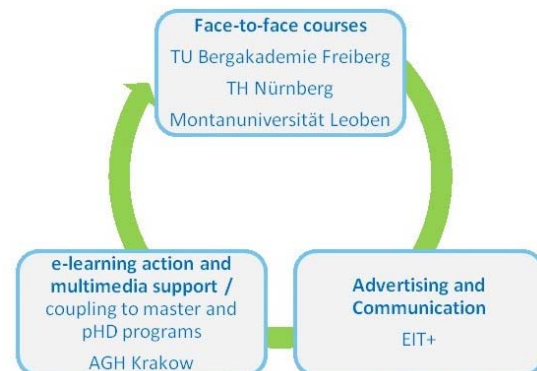
### Lifelong learning

The project "CLC EAST Professional School" ECLC ProSchool provides a program for skilled workers of the raw materials sector with courses offered at TU Bergakademie Freiberg, TU Nürnberg and Montanuniversitaet Leoben.

The courses are tailored and continuously developed to meet and follow the needs and requirements of the industry in the CLC East region.

An interconnection to the local Master and PhD programs is foreseen.

The program also will help career changers to enter raw materials industry easier.



For further information, please check the following

<https://weiterbildung.tu-freiberg.de/TUF/search.xhtml>



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## ECLC ProSchool

part of the RM Academy

Theoretical and practical aspects of mechanical rock / rock mass excavation

13.-14.11.2018



Montanuniversitaet's RIC Leoben organises courses on the following topics:

- ◆ Innovative subsurface mining imaging systems,
- ◆ Innovative and/or automatic machines/equipments/systems
- ◆ Environmental and health issues in surface mining

## Course Title

Theoretical and practical aspects of mechanical rock / rock mass excavation

## Description:

The training should give the participants a common theme about the application of mechanical excavation machines in mining and tunnelling – from the assessment of rock mass cuttability, over the basic principles and methods of mechanical cutting to machine types and technologies. The training will end with application examples referring to real field cases.

## Objectives:

Trainees will be able to provide detailed technical knowledge and experience as they are directly coming from a developer and manufacturer of mechanical excavation machines and systems.

## Target audience:

People coming from the mining and tunnelling industry.



## Agenda:

### Day 1

09:00-09:30 Registration, welcome, safety introduction and short company presentation of Sandvik Mining and Construction G.m.b.H., Zeltweg

09:30- 12:00 Methods and aspects of rock and rock mass cuttability assessment

12:00- 13:00 Lunch

13:00- 15:00 Factory tour with visits to rock testing laboratory and to cutting test rigs

15:00- 17:00 Basics and details about rock cutting technology and methods

### Day 2

09:00- 11:00 General introduction of mechanical rock excavation machines

11:00- 12:00 Practical application of mechanical rock excavation machines – part 1

12:00- 13:00 Lunch break

13:00- 15:00 Practical application of mechanical rock excavation machines – part 2

15:00- 17:00 Evaluation of operational parameters of mechanical rock excavation machines (cutting performance, tool consumption, cost figures)

## Lecturers:

Sandvik Mining and Construction G.m.b.H.

- ◆ Uwe Restner
- ◆ Hubert Kargl
- ◆ Thomas Peinsitt

## Course fee:

600 € EIT members

780 € non EIT members

Course materials and catering are included



## Format:

The course will be held as a two-day workshop.

## Location:

Day 1 Sandvik Mining and Construction G.m.b.H.

Alpinestraße 1  
8740 Zeltweg, Austria

Day 2 Montanuniversitaet Leoben

Seminar room S  
Peter Tunner-Strasse 15, 3rd floor  
8700 Leoben, Austria

## Registration:

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