

# ECLC PROFESSIONAL SCHOOL

Montanuniversitaet Leoben is partner in the „ECLC East Professional School“ project, run by TU Bergakademie Freiberg, Germany.

The project provides state-of-the-art knowledge with a didactic concept tailored for the local industry  
Montanuniversitaet Leoben organises five workshops in 2018 and ten workshops in 2019



## Course fee

€ 600 EIT members

€ 750 non-EIT members

Course material and catering included

## Course registration

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



## Contact

RIC Leoben  
Montanuniversitaet Leoben  
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[ulrike.haslinger@unileoben.ac.at](mailto:ulrike.haslinger@unileoben.ac.at)

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## 2018 Courses

|  |  |
|--|--|
| <b>25.-26.09.2018</b><br>(two days)  | <b>DMT / TU Bergakademie Freiberg /<br/>Montanuniversitaet Leoben, Austria</b>   |
| <b>Innovative<br/>subsurface<br/>mining<br/>imaging<br/>systems</b>                                  | <ul style="list-style-type: none"> <li>Applications and requirements</li> <li>Underground positioning and navigation</li> <li>Underground mapping and inspection</li> <li>Feature extraction (geological classification)</li> <li>Data analytics and integration into prediction models</li> </ul>   |
| <b>13.-14.11.2018</b><br>(two days)  | <b>Sandvik Mining and Construction,<br/>Zeltweg / Austria</b>  |
| <b>Theoretical and<br/>practical aspects<br/>of mechanical rock<br/>/ rock mass exca-<br/>vation</b> | <ul style="list-style-type: none"> <li>Methods and aspects of rock and rock mass cutability assessment</li> <li>Visit to rock testing laboratory</li> <li>Rock cutting basics</li> <li>General introduction of mechanical rock excavation machines</li> <li>Practical application of mechanical rock excavation</li> <li>Evaluation of operational parameters (cutting performance, tool consumption, costs)</li> </ul>  |
| <b>13-14.09. or<br/>08-09.11.2018</b><br>(two days)  | <b>Austin Powder, Leoben / Austria</b>   |
| <b>Techniques for improved<br/>blast vibration control</b>   | <ul style="list-style-type: none"> <li>Blasting Vibrations: source, particle velocity, amplitude and frequency</li> <li>Vibrations measurement, basic analysis</li> <li>Advanced analysis techniques, propagation graphs, frequency analysis</li> <li>Vibration criteria, review of standards, structure response, human response</li> <li>Vibration modelling</li> <li>Airblast modelling, propagation, timing selections</li> <li>Blast design, customer recommendations</li> </ul>                                |
| <b>19.10. / 30.10.<br/>/ 02.11.2018</b><br>(one day)   | <b>Montanuniversitaet Leoben / Austria</b>   |
| <b>Soft skill leader-<br/>ship and preventi-<br/>on of Crisis</b>                                    | <ul style="list-style-type: none"> <li>Interaction analysis</li> <li>Process of teambuilding</li> <li>Personal type analysis and behaviour patterns.</li> <li>Definition of soft skills</li> <li>Leadership styles</li> <li>Conflict behaviour analysis</li> <li>Management tools</li> </ul>   |
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### 2019 Courses Outlook:

Management | Subsurface Mining | Circular Economy | Recycling | Innovative Systems

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