## Conference

### **Objectives**

- Bring together people from European research projects on resource extraction
- Exchange ideas and rise synergies between activities from research and industry

### Program

The conference is going to start at the ballroom "Tivoli" with keynote presentions and the evening event. The following day, multiple sessions will present the state-of-the art research activities on resource extraction and supportive measures in Europe.

Special attention is paid on the applicability on research outcomes in industrial operations. Therefore we cordially invite participants from science as well as practice to discuss current activities jointly.

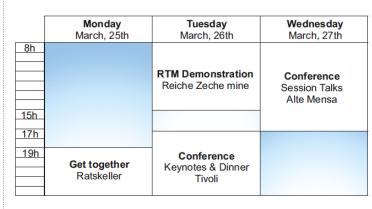
### **Participation Fee**

Conference fee	Until Jan. 31st	230€
	From Feb. 1st	260 €
Cancellation fee:	Until Jan. 31st	30€
	From Feb. 1st	Full Fee

### Venue

Tagungszentrum "**Alte Mensa**" Petersstraße 5 D-09599 Freiberg

## **Program overview**



## **Evening venues**

#### Ratskeller

Obermarkt 16 D - 09599 Freiberg

#### Konzert– und Ballhaus Tivoli Freiberg Dr.-Külz Straße 3

Dr.-Külz Straße 3 D - 09599 Freiberg

## **Event management**

TU Bergakademie Freiberg Institute of Mining & Special Civil Engineering Institute of Mine Surveying and Geodesy Fuchsmühlenweg 9 09599 Freiberg

Germany

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Horizon 2020 European Union funding for Research & Innovation MINING

Real-Time Optimization of the Extraction and the Logistics Process in Highly Complex Geological and Selective Mining Settings

# **Real Time Mining**

## **Demonstration** Day

8

2nd International Conference

# **Call for Paper**

Freiberg March 26<sup>th</sup> - 27<sup>th</sup>, 2019

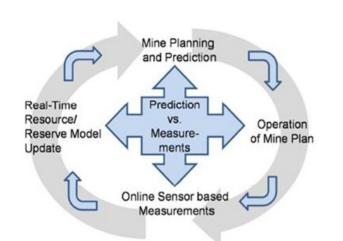


### **Real-Time Mining**

The overall aim of *Real-Time Mining* is the development of a real-time framework in order to decrease environmental impact by mining activities and to increase resource efficiency in the European raw material extraction industry.

The key concept of the research conducted is to promote a paradigm shift from discontinous to a continous process monitoring and quality management system in highly selective mining operations.

The positive impact of the project will be achieved through improvements in process efficiency and resource utilization. These will increase energy efficiency and faciliate significant improvements in the environmental performance of mining operations by reducing the emissions and wastes generated. It is considered that deposits which are currently thought as economically marginal or difficult to access could become viable.



## **Call for Paper**

### **Topics**

- Outcomes of the Real-Time Mining project
- Selective raw material extraction
- Digitalization and automation in the production process
- Artificial intelligence in mining in todays' times

### Editorial

The presentations will be published online. Accompanying Papers are subject for peerreview and will be published in an international mining magazine.

- Abstract: max. 400 words [text only]
- Author details inserted under the title with presenting author underlined

### **Deadlines**

Submission of Abstract	December 31st, 2018
Information of acceptance:	January 15th, 2019
Submission of Manuscript	February 28th, 2019

## **Demonstration day**

### **Objectives**

- Presentation of project outcomes in nearoperational environment
- Discussion of Real-Time-Mining outcomes field applicability

### Program

The public demonstration day will be performed at the research and education mine Reiche Zeche of TU Bergakademie Freiberg.

A three-hours underground tour to the various Real-Time-Mining research applications is offered.

At the mine's surface you will have the chance to visit the Real-Time-Mining's Control Station, as well as an exhibition on activities and sensor developments of the project consortia.

### Venue

TU Bergakademie Freiberg Forschungs– und Lehrbergwerk Reiche Zeche Fuchsmühlenweg 9 D - 09599 Freiberg

