

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 presentations 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

	Monday March, 25th	Tuesday March, 26th	Wednesday March, 27th
8h		RTM Demonstration Reiche Zeche mine	Conference Session Talks Alte Mensa
15h			
17h			
19h	Get together Ratskeller	Conference Keynotes & Dinner Tivoli	

Evening venues

Ratskeller
Obermarkt 16
D - 09599 Freiberg

Konzert- und Ballhaus Tivoli Freiberg
Dr.-Külz Straße 3
D - 09599 Freiberg

Event management

TU Bergakademie Freiberg
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Institute of Mine Surveying and Geodesy
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European
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Real-Time Optimization of the Extraction and the Logistics Process in Highly Complex Geological and Selective Mining Settings

Real Time Mining

Demonstration Day & 2nd International Conference

Call for Paper

Freiberg
March 26th - 27th, 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 discontinuous to a continuous 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 facilitate 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 today's times

Editorial

The presentations will be published online. Accompanying Papers are subject for peer-review 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 near-operational 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

