



an Open Access Journal by MDPI

## Measuring Equipment and Control Technologies in Mining

Guest Editors:

### **Prof. Dr. Stefan Vöth**

Department of Mechanical and  
Material Engineering, Centre for  
Drive and Lifting Systems,  
Technische Hochschule Georg  
Agricola, 44787 Bochum,  
Germany

### **Dr. Kirill Gogolinsky**

Department of Metrology and  
Quality Management, Saint  
Petersburg Mining University,  
199106 Saint Petersburg, Russia

### **Dr. Maria Vasilyeva**

Department of Mechanical  
Engineering, Saint Petersburg  
Mining University, 199106 Saint  
Petersburg, Russia

Deadline for manuscript  
submissions:

**closed (28 February 2022)**



[mdpi.com/si/85755](https://mdpi.com/si/85755)

### **Message from the Guest Editors**

Dear Colleagues,

The special issue is aimed at publishing the results of theoretical, experimental and scientific research in various fields of engineering used in mining. The main direction of materials accepted in this issue is control technologies and measuring equipment used in mining.

The materials presented in this special issue can cover a wide range of technical knowledge in industrial electronics, metrological measurement support and instrument engineering. But the main part of the research results presented in the articles should be devoted to the processes of monitoring the state and ensuring the safety of the processes of mining, processing, transportation and disposal of mineral raw materials and their waste.

Topics include but are not limited to the keywords listed as follows:

- non-destructive testing facilities;
- metrological support of measurements;
- instrument making;
- industrial electronics;
- environmental problems of mining;
- chemical technology in mining;
- materials science in mining;
- mechanical engineering for the mining industry;
- digital technologies in mining.



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[appls@mdpi.com](mailto:appls@mdpi.com)  
[X@Appls](#)