2016 Conference Proceedings

Mining Science: Basics and Applications

October 3–6 2016

Novosibirsk, Russia

It is a pleasure for us to have this opportunity and offer our foreign readers the selected papers presented at the annual 2016 Conference on Mining Science: Basics and Applications. This year the Conference has been devoted to the 85th Anniversary of Mikhail Kurlenya, Academician of the Russian Academy of Sciences.

The Conference has been hosted by the Institute of Mining of the Siberian Branch of the Russian Academy of Sciences under auspices of the Presidium of the Siberian Branch RAS and the Scientific Council on Mining of the Russian Academy of Sciences.

The Conference has become a forum of academic scientists and practitioners from Russia's top mining companies such as Norilsk Nickel, Evrazruda, ALROSA, ELSIB and Siberian Association for Industrial Hydraulics and Pneumatics.

The Conference provided a platform for the discussion of the latest theoretical and experimental research findings in the field of new mining technologies and in the area of mining machines and automated equipment engineering for enhancement of efficiency of mineral extraction and processing and special construction work. The scope of the Conference encompassed such topics as:

- Geomechanics and induced geodynamics
- Advances in geotechnology and renovations in hybrid open pit/underground mining
- Principles of machine engineering for mining and underground construction
- Fundamentals and modern development in integrated utilization of rebellious minerals and wastewater treatment

Mikhail Kurlenya

Academician RAS

Editor-in-Chief