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# International Congress & Exhibition: Non-Ferrous Metals and Minerals – 2018

From 10 to 14 September Krasnoyarsk was the venue of X International Congress-Exhibition «Non-Ferrous Metals and Minerals – 2018». The jubilee Congress traditionally included industry conferences «Aluminum of Siberia», «Gold of Siberia», «Metallurgy of non-ferrous, rare and noble metals», which in connection with the first anniversary of the departure from life of its long-time chairman Prof. G.L. Pashkov – corresponding member of the Russian Academy of Sciences, Dr.Sci. (Chemistry) was dedicated to his memory.

The Congress and Exhibition of 2018 was attended by more than 680 specialists from 210 companies from 19 countries all over the world, among them – full members of the Russian Academy of Sciences, Doctors of Sciences, post-graduates, young scientists, CEOs and leading specialists.

Before opening of the Congress overview lectures on Alumina production, Aluminum reduction technology and Casting of aluminum and its alloys were delivered by key scientists from Russian, Great Britain, China, Norway, Germany and Ireland.

All participants were greeted by V.Ch. Mann – Technical Director of UK RUSAL and P.V. Polyakov – Chairman of the Organizing Committee of the Congress,



who wished the participants fruitful work.

At 11 Congress sections 254 scientific presentations were given. Electronic proceedings of the Congress will be posted in the Russian Science Citation Index.

At the symposium dedicated to the memory of G.L. Pashkov held within the conference «Metallurgy of non-ferrous and rare metals» his colleagues, disciples made presentation on joint scientific research, spoke about creative development of the scientist.

«Ecology in metallurgy» section was chaired by Prof V.V. Tetelmin, Dr.Sci. member of the Russian Academy of Natural Sciences and I.I. Rebrik - Director of Department of Ecology, Labor Health protection and Industrial

Safety of UC RUSAL (OJSC «RUSAL Global Management»). The section discussed technological developments and tests of environmental protection technologies in metallurgy of non-ferrous metals, state-of-the-art methods of waste management, including processing and storage of aluminum production waste and the role of state in eliminating constraining factors and providing sustainable development of business-presence territories with subsequent reduction of negative environmental impact

The Congress conducted roundtable discussions on the following subjects: «BIM technologies and digital twins of the enterprise» (organizer - «Krastrsvetmet»), «Interaction with suppliers in changing

market» (organizer - «RUS-Engineering» LLC).

Within the framework of conference «Gold of Siberia» the R&D-Center of MMC «Norilsk Nickel» (Siberian Federal University) conducted a master-class «Intellectual Mine», with presentations made by manufacturers of equipment and software to automate mining. The experience of conducting the master-class demonstrated its topicality and necessity to hold it the next year and attract more representatives of mining-geological companies and specialists immediately involved in production areas to be automated.

On the basis of Siberian Federal University Youth Platform was organized to jointly search for breakthrough ideas, achieve new thinking and successful launch of complex projects.

Concurrent with the Congress was industrial Exhibition, where 45 Russian and foreign companies demonstrated state-of-the-art equipment, technologies, materials for mining-metallurgical industry, conducted their seminars and negotiations with existent and potential partners. In «Best stand» nomination honorary diplomas and discounts for the Exhibition of the next year were handed out to: «MELYTEC» LLC, «ELEMENT» Ltd.,

Shandong Hwapeng Precision Machinery Co., Ltd.

To present the industrial potential of Krasnoyarsk krai the participants could take part in tours to enterprises and research centers: Krasnoyarsk Aluminum Smelter, Krasnoyarsk Plant of Non-Ferrous Metals, Achinsk Alumina Refinery, Gorevsky ore mining and processing enterprise, Borodino surface coal mine and Research-analytical Laboratory of the Casting Center (RUSAL ETC).

In addition to the business activities the Congress participants could take part in social program consisting of various tours.

This year the organizers of the Congress and Exhibition were: UC RUSAL, Siberian Federal University, Federal Research Center «Krasnoyarsk Research Center,



Siberian Branch of the Russian Academy of Sciences», «Light metals». Events were held with support of the Government of Krasnoyarsk krai, Russian Foundation for Basic Research and Krasnoyarsk krai Science foundation. The organizers express their gratitude to sponsors of the Congress: MMC «Norilsk Nickel», R&D Carbon, Riedhammer, NKM Noell Special Cranes GmbH, Fives, STORVIK Holding AS, STAS Inc, T.T. TOMORROW TECHNOLOGY S.p.A., FELUWA Pumpen GmbH, Mid-Mountain Materials Inc., «QUALITET Research and Production Enterprise».

We look forward to welcoming you at the meeting of XI International Congress and Exhibition «NON-FERROUS METALS AND MINERALS», to be held 16-20 September 2019.