

A curriculum vitae

Prof. Dr. Andrey Nikolaevich Dmitriev

- 1950 (September, 11). Was Born in Village Elovo of the Perm Region (Russia).
- 1957-1966. Training in High School in Urban Village Cheremukhovo (Russia).
1967. Has Left High School in the City Severouralsk, Sverdlovsk Region (Russia), with a Silver Medal. My father Nikolay V. Dmitriev since 1948 for 2001 Worked on Joint-Stock Company “Severouralsk Bauxite Mines”, Obtaining Bauxite on the World's Largest Deposit.
1973. Has Ended Metallurgical Faculty of the Ural Polytechnical Institute (nowadays Ural Federal University, Ekaterinburg, Russia). It is Awarded with the Honourable Diploma of a Student's Scientific Organization.
- 1973-1979. The engineer, the Younger Scientific Employee, the Post-Graduate Student of the Ural Polytechnical Institute (nowadays Ural Federal University, Ekaterinburg, Russia).
1979. Defence of the Dissertation on Competition of a Scientific Degree of Candidate of Technical Science (Ph.D. thesis; Ekaterinburg, Russia).
- 1979 – 2008. The Senior Scientific Employee, Head of laboratory for Pyrometallurgy of the Process Reductions (1998), Institute of Metallurgy of the Ural Branch (UB) of the Russian Academy of Sciences (RAS; Ekaterinburg, Russia).
1997. Defence of the Dissertation on Competition of a Scientific Degree of Doctor of Technical Science (thesis for a Doctor's degree; Institute of Metallurgy of UB of RUS, Ekaterinburg, Russia).
- 1999 – Present time. A Member of the Academic Council of Institute of Metallurgy of the Ural Branch of the Russian Academy of Sciences.
- 1999 – 2004. The Judge “Ural Exhibitions”, Ekaterinburg, Russia.
- 2000 – Present time. The Head of Branch of faculty “Thermophysics and Computer Science in Metallurgy” of the Ural State Technical University - Ural Polytechnical Institute in Institute of Metallurgy of the Ural Branch of the Russian Academy of Sciences (Ekaterinburg, Russia).
- 2001 – Present time. The Member and the Scientific Secretary of Dissertational Council D 004.001.01 in Institute of Metallurgy of the Ural Branch of the Russian Academy of Sciences on Defence of Dissertations on Competition of a Scientific Degree of Doctor and Candidate of Sciences (Ekaterinburg, Russia).
- 2001 – Present time. The Professor of Chair of Iron and Alloys of Metallurgy Metallurgical Faculty of the Ural State Technical University - Ural Polytechnical Institute (nowadays Ural Federal University, Ekaterinburg, Russia).
2002. The Corresponding Member of the Russian Academy of Natural Sciences (Mining - Metallurgical Section).
2003. The Corresponding Member of Academy of Engineering Sciences of the Russian Federation named A.M. Prokhorov (Branch of Information Science and Computer Technique).
2003. A Vice-President of Ural Branch of Mining - Metallurgical Section of the Russian Academy of Natural Sciences.
2004. A Member of Presidium of Regional Ural Branch of Academy of Engineering Sciences of the Russian Federation named A.M. Prokhorov.
2005. The Full Member (Academician) of the Russian Academy of Natural Sciences (Mining - Metallurgical Section).
- 2006 – 2013. A Member of the Scientific Committee of International Conferences “Diffusion in Solids and Liquids”.
2007. A Member of WSEAS (World Scientific and Engineering Academy and Society).
2008. The Full Member (Academician) of Academy of Engineering Sciences of the Russian Federation named A.M. Prokhorov.

- 2008 – Present time. Chief Research Officer of Laboratory for Pyrometallurgy of Ferrous Metals of Institute of Metallurgy of Ural Branch of Russian Academy of Sciences.
- 2009. A Member of the Organizing Committee of International Conference “The Creative Heritage of B.I. Kitaev”. Ekaterinburg, Russia.
- 2010. A Member of the Scientific Committee of International Conference “Blast-furnace manufacture – XXI century”. Moscow, Russia.
- 2010 – Present time. A Member and Co-Founder of Non-Commercial Partnership Professional Organization «Forum of experts» (NCP PO «EXFO»).
- 2011. A Member of the International Scientific Committee Fray International Symposium on Metals and Materials Processing in a Clean Environment: Principles, Technologies and Industrial Practice. Cancun, Mexico.
- 2011. A Member of The Russian Chemical Society named D.I. Mendeleev.
- 2011. A Member of The Russian Academy of Natural History.
- 2011. A Member of TMS (The Minerals, Metals & Materials Society).
- 2012. A Member of the Organizing Committee of International Conference “The theory and practice of thermal processes in metallurgy”. Ekaterinburg, Russia.
- 2013. A Member of the Organizing Committee of Russian Conference “Scientific and practical conference of students, graduate students and young scientists”. Ekaterinburg, Russia.

Awards.

- 1967. The Silver Medal at the Ending of High School.
- 1973. The Honourable Diploma of a Student's Scientific Organization at the Ending of the Ural Polytechnical Institute.
- 1999. The Honourable Letter of the Russian Academy of Sciences.
- 2004. The V.E. Grum-Grzhimajlo Premium-Medal of the Ural Regional Branch of Academy of Engineering Sciences of the Russian Federation (V.E. Grum-Grzhimajlo – Well-Known Ural Metallurgist of XIX-XX centuries).
- 2007. The Honourable Letter of the Government of Sverdlovsk Region.

Prof. Dr. Andrey N. Dmitriev - noted scientist in the field of development of scientific bases of complex use of mineral raw material. The basic scientific direction - development, perfection of mathematical models and their use for the analysis and optimization of processes of working of ores. For the first time has developed and has introduced a method of analytical research of blast furnace smelting on the basis of a complex of the two-dimensional mathematical models, essentially supplementing experimental methods used in practice. Has developed scientific bases of application of computer methods for the analysis and perfection of pyrometallurgy processes. Has developed an original technique of the influence estimation of the iron ore raw materials and coke quality on indicators of the blast furnace smelting. Scientific ideas and development are used at creation and perfection of technologies of processing of the titan-ferrous magnetite, chromic iron ore, silicate-nickel, sideritic ores, leucoxene concentrates directed on the elimination of deficiency existing in Ural of the steel-making iron-ore raw material, the raw material for manufacture of pigment dioxide of the titan and scrap. Is the leader of investigations on experimental and mathematical modeling of pyrometallurgy processes, the Regional program “Ural”, the Federal program “State support of Integration of Higher Education and Fundamental Science”, with the industrial enterprises, grants of the Russian Foundation for Basic Research and the International programs. The author of 5 monograph, more than 220 articles and 10 inventions. Participated as the lecturer (including invited lecturer) on many conferences including international. Was the official opponent at defence of 5 thesis for a Doctor's degree and 10 thesis for a Candidate's degree . The head of post-graduate students.

Monographies.

1. Dmitriev A.N., Shumakov N.S., Leontiev L.I., Onorin O.P. Bases of Theory and Technology of Blast Furnace Smelting. Ekaterinburg: UB RAS, 2005. – 547 p.
2. Knowledge of Processes of Blast Furnace Smelting: Collective work / Editors: V.I. Bol'shakov, I.G. Tovarovskii. Dnepropetrovsk: Porogi, 2006. – 440 c.
3. Lisienko V.G., Sukhanov E.L., Morozova V.A., Dmitriev A.N., Zagainov S.A., Paren'kov A.E. Development of Three-level Automated Control Systems by Technological Processes in Metallurgy (Coke and Cokeless Processes). Moscow, 2006. – 328 p.
4. Shumakov N.S., Dmitriev A.N., Garaeva O.G. Raw Materials and Fuel of Blast Furnace Smelting (Characteristic and Preparation Methods).
5. Dmitriev A.N. Mathematical Modelling of Blast Furnace Process. Ekaterinburg: UB RAS, 2011. – 163 p.

Bibliography.

1. Metallurgists of Ural. Encyclopedia. 2003. P. 144.
2. Engineers of Ural. Encyclopedia. 2007. P. 219.
3. Who is Who in Chemical Technology. 2007.
4. Who is Who in the World. 2008. P. 624.
5. Who is Who in America. 2010. T. 1. P. 1183.
6. Scientists of Russia. Encyclopedia. T.VII. 2011. P. 155.
7. Who is Who in Russia. Who is Who Verlag fur Personenenzyklopadien AG, 2013.

<http://www.pyromet.narod.ru>