


Personal Details

Name: Volodymyr	
Surname: Bondarenko	
Contact details Address: 49600 Dnipropetrovsk, Karl Marx Av., 19, building 4, room 56 – 62	
Tel.: +38 (0562) 47-14-72	
E-mail: v_domna@yahoo.com	
Current position Head of Underground Mining Department, State Higher Education Institution “National Mining University”	
Professional background	
<p>Doctor of Technical Sciences, Professor, Honored Master of Sciences and Engineering, Academician of Engineering Academy of Ukraine, the Author of Scientific Discovery “Artificial Diagenesis of Sedimentary Rocks”, Honored Professor of the National Mining University, Member of Worldwide Society of Mining Professors.</p> <p>1971-1976 Dnipropetrovsk Mining Institute 1982 Assistant, Associate Professor 1990 Professor 1994 -up to now Head of Mining Department. 1993-2006 Pro-rector of Research.</p> <p>Lecturer on “Basics of Mining” “Mine Design” "Modern Innovation Technologies of Coal Extraction" to Specialists of Coal Industry on Qualification Upgrading Designs. 2012 lecturer at AGH (Akademia Gorniczo Hurnicza im. Stanislawy Staszica), Krakow, Poland according to the program “Visit Professor”. “School of Underground Mining” (SUM). Editor-in- chief of “Mining of Mineral Deposits” journal. Editorial board member of “Naukovyi Visnyk of NMU” and “Journal Mining Engineering” (Slovenia).</p>	
Research interests	
<ul style="list-style-type: none"> - development of methods and technologies of gas extraction from natural gas hydrates and creation of artificial ones; - physics and technical basics of energy-saving technology of underground mining of thin and very thin (0.55 – 0.8 m) coal deposits; - development of technical parameters and technology of borehole underground coal gasification of seams on small depths; - geomechanics of interaction of system “rock massif – mine working – protection construction” elements .that conducts learning of coal seam parameters impact, rock structure and mechanical properties of above-the-coal strata and mining depth on stress-strain state of all system elements. 	
Scientific activities	
<p>Supervisor of masters, PhD students and PhD candidates. In the last 5 years were defended three doctoral theses (V. Okalelov, V. Kyrychenko, R. Dychkovskiy) and 7 candidate theses (O. Gaidai, O. Vivcharenko, R. Svistun, S. Zubko, O. Mamaikin, V. Filatiev) under his supervision.</p> <p>Author of 83 research papers, among them 10 textbooks and tutorials, 19 monographs, 21 papers with high citation ratio.</p> <p>Total amount of research works is 334, among them: 22 text-books and tutorials, 30 monographs, 26 certificates of authorship and invention patents, 3 scientific discoveries, 30 research papers with high citation ratio that were published abroad in well-known German, England, USA, Canadian, Polish and Russian publishing offices.</p>	



Main publications

1. Bondarenko, V., Hardygora, M., Symanovych, H., Sotskov, V., & Snihur, V. (2016). Numerical methods of geomechanics tasks solution during coal deposits' development. *Mining of Mineral Deposits*, 10(3), 1–12. <https://doi.org/10.15407/mining10.03.001>
2. Bondarenko, V., Lozynskyi, V., Kovalevska, I., Sai, K., & Vvedenska, V. (2016). Concept of the journal "Mining of Mineral Deposits" of the National Mining University. *Min. Miner. Depos.*, 10(1), 1–8. <https://doi.org/10.15407/mining10.01.001>
3. Bondarenko, V., Lozynskyi, V., Sai, K., & Anikushyna, K. (2015). An overview and perspectives of practical application of the biomass gasification technology in Ukraine. *Theoretical and Practical Solutions of Mineral Resources Mining*, 27–32. <https://doi.org/10.1201/b17547-58>
4. Bondarenko, V., Symanovych, G., Chervatyuk, V., & Snigur, V. (2014). Influence of the structure and properties of coal-bearing massif on bottom heaving. *Progressive Technologies of Coal, Coalbed Methane, and Ores Mining*, 5–11. <https://doi.org/10.1201/b17547-3>
5. Bondarenko, V., Kovalevs'ka, I., Svystun, R., & Cherednichenko, Y. (2013). Optimal parameters of wall bolts computation in the united bearing system of extraction workings frame-bolt support. *Mining of Mineral Deposits*, 5–9. <https://doi.org/10.1201/b16354-3>
6. Bondarenko, V., Maksymova, E., & Koval, O. (2013). Genetic classification of gas hydrates deposits types by geologic-structural criteria. *Mining of Mineral Deposits*, 115–119. <https://doi.org/10.1201/b16354-21>
7. Bondarenko, V., Symanovych, G., & Koval, O. (2012). The mechanism of over-coal thin-layered massif deformation of weak rocks in a longwall. *Geomechanical Processes During Underground Mining*, 41–44. <https://doi.org/10.1201/b13157-8>
8. Bondarenko, V., Kovalevs'ka, I., & Fomychov, V. (2012). Features of carrying out experiment using finite-element method at multivariate calculation of mine massif – combined support system. *Geomechanical Processes During Underground Mining*, 7–13. <https://doi.org/10.1201/b13157-3>
9. Bondarenko, V., Kovalevs'ka, I., & Cherednychenko, Y. (2010). Substantiation of design and installation technology of tubular rock bolts by explosive method. *New Techniques and Technologies in Mining*, 9–14. <https://doi.org/10.1201/b11329-3>
10. Bondarenko, V., Tabachenko, M., & Wachowicz, J. (2010). Possibility of production complex of sufficient gasses in Ukraine. *New Techniques and Technologies in Mining*, 113–119. <https://doi.org/10.1201/b11329-19>

Awards

Laureate of State Prize in Science and Engineering, No 1256/98, 17.11.1998
Honored Scientist of Ukraine, No 1058, 04.06.1999
Excellence in Education of Ukraine, No 353-k, 04.06.2009
For scientific achievements medal, No 1279-k, 02.11.2006
Miner's Glory of II degree, No 405, 04.08.2003
Miner's Glory of I degree, No 32055, 21.06.2005
Miner's Glory of III degree, No K-164-H, 21.08.2010

