



**Volodymyr BOLSHAKOV**



### **About me**

Doctor of science, professor of Material Science and Treatment Department

+38 0973347588

bolshakov.volodymyr@pdaba.edu.ua

architect O. Petrov street, 24a

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### **Education**

In 1969, he graduated with honors from the Dnipropetrovsk Metallurgical Institute, receiving the qualification of a metallurgical engineer. From 1969 to 1972 was in graduate school at the Moscow Engineering and Construction Institute named after V. V. Kuibyshev. Since 1972, he has been working in DIBA - PDABA. He has come a long way as a scientist, teacher and organizer: junior researcher (1972 – 1973), candidate of technical sciences (1973), senior researcher (1974 – 1975), associate professor (1975 – 1985), doctor of technical sciences (1986), professor (1987), head of the department of metal technology (1986 - 1994), department of materials science and materials processing (1994 - 2016), rector of the DIBA - PDABA for 31 years (1987 - 2018). He continues his work as a professor at the Department of MiOM from 2018 to the present.

### **The Main Directions of Scientific Activities**

- High-strength steels manufacturing technology for welded metal bearing structures;
- Structural steel framing for vertical extension and improvement of existing mass-produced residential buildings of the 1960s-1970s period;
- Gas erosion protection technology for gas turbine engines operating at high temperature;
- Physical materials science of construction steels and building materials;
- Nanotechnologies and nanomaterials.

### **Employment History**

In 1973, he defended his candidate's thesis on the topic "Investigation of the structure and properties of high-strength construction steel" at the Institute of Ferrous Metallurgy of the USSR Ministry of Economy. In 1986, he defended his doctoral dissertation on the topic "Development of theoretical foundations and implementation of processes of substructural strengthening of construction steels in order to improve their operational

properties" at the Dnipropetrovsk Metallurgical Institute (now the Metallurgical Academy of Ukraine). The scientific activity of V. I. Bolshakov and his scientific school received wide national and international recognition. He is a valid member of the International Engineering Academy, the Academy of Construction of Ukraine, the Academy of Higher Education of Ukraine, Honorary Academician of the National Academy of Pedagogical Sciences of Ukraine, Honorary Doctor of the Dnipro National University named after O. Honchara, Honorary Professor of the National Metallurgical Academy of Ukraine. He is a full member of the Society of Ferrous Metallurgy of the USA and Canada, Institute of Materials (Great Britain), European Society of Mathematicians and Mechanics (Germany), Society of Bridges and Structures (Switzerland), Institute of Mining, Metallurgical and Petroleum Engineers (Canada). V. I. Bolshakov has numerous government awards: laureate of the State Prize of Ukraine in the field of science and technology; Honored Worker of Science and Technology of Ukraine. He was awarded the Order of Merit II and III degrees, the medal of the Republic of Macedonia, the officer's cross of the Order of St. Stanislaus IV degree, the Order of St. Demetrius of Thessaloniki IV degree. He is a Knight of the Order of the French Government "Academic Palm Branch" II degree (officer). For the restoration and construction of new churches on the territory of the Dnipropetrovsk region, he was awarded the orders of "Holy Prince Volodymyr" IV degree (2004), Saint Nestor the Chronicler III degree (2015) and I degree (2016). Professor V. I. Bolshakov has been awarded many academic awards: the MIA award named after Academician K. F. Starodubov (1994), the award of the Academy of Construction of Ukraine named after M. S. Budnikov (2000, 2002), the prize of the International Engineering Academy named after B. E. Paton (2001), the prize of the National Academy of Sciences of Ukraine named after G. V. Kurdyumova (2017). Under the leadership of V. I. Bolshakov from 1984 to 2018, 24 candidate's and 18 doctoral theses were defended. 18 monographs, 26 textbooks and training manuals, more than 1500 scientific articles have been published. Received 250 copyright certificates and invention patents.

### **Scientific data**

1. Google Scholar: bibliographic references 3528, h-index 28, i10-index 81.
2. SCOPUS: articles in SCOPUS Magazines: total 88, bibliographic references (citations) 324, h-index 7.
3. Web of Science: articles in Web of Science Researcher ID Magazines: 39, bibliographic references 261, h-index 6.