



**SVETLANA GUBENKO**



### **About me**

Doctor of science, professor of Material Science and Treatment Department

+38 0676300165

[sigubenko@gmail.com](mailto:sigubenko@gmail.com)

architect O. Petrov street, 24a

### **Education**

Dnipropetrovsk Metallurgical Institute (National Metallurgical Academy of Ukraine), technological faculty.

Specialization: Metal Science and Heat Treatment

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

- the scientific bases of transformation of the non-metallic inclusions and interphase boundaries of inclusion-matrix and their influence on the formation of the structure of iron alloys with sequential or complex processing under conditions of high-energy, thermal, deformation and electromagnetic fields;
- influence of non-metallic inclusions on the fracture of steels and alloys under different deformation conditions and technological ductility, mechanical and operational properties of steels for various purposes;
- physical bases of plastic deformation of the metals and alloys;
- investigation of strengthening of metals and alloys under laser and explosive action;
- fatigue-corrosion wear of transport metal (a pair of wheel-rail, wire rope, bearings);
- influence of the testing environment on the destruction of steels near inclusions.

### **Employment History**

- student of Dnipropetrovsk Metallurgical Institute;
- post graduate of Metal Science Department in Dnipropetrovsk Metallurgical Institute;
- junior, senior and leading researcher at the Metal Science Department (Materials Science Department) of the Dnipropetrovsk Metallurgical Institute (National Metallurgical Academy of Ukraine);
- professor at the Materials Science Department of the National Metallurgical Academy of Ukraine (before 2021);
- winner of the Yaroslav Wise Award of the Higher School Academy of Ukraine (1998),
- laureate of the International Academy of Engineering Award (1998);
- award the Honorary Diploma of the Ministry of Education of Ukraine (1999);
- the badge of the "Excellence in Education of Ukraine"(2010);
- the badge of the "For Scientific and Educational Achievements" (2017) of the Ministry of Education and Science of Ukraine;
- training course at the University of Oxford (2002);
- teacher of UNESCO (Academy of Engineering, 2003-2004).

### **Academic degree**

- academic degree Ph.D (1977);
- academic degree Doctor of science (1993)

### **Scientific title**

- scientific title Senior Researcher (1987);
- scientific title Professor (2001);
- scientific title academician of the Academy of Sciences of the Higher School of Ukraine (1998)/

### **Scientific data**

1. Google Scholar: bibliographic references 2022, h-index 24, i10-index 54.

2. SCOPUS: articles in SCOPUS Magazines: total 137, bibliographic references (citations) 156, h-index 6.

3. Web of Science: articles in Web of Science Researcher ID Magazines: 89, bibliographic references 41, h-index 3.