



# Oleksandr Beketov

**Nationality:** Ukrainian **Date of birth:** 17/08/1977 **Gender:** Male

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## ABOUT ME

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**Education.** 1999 Diploma Physics engineer (specialization solid state physics).  
2000 Practical and theoretical courses «Selmi» transmission electron microscope operator.  
2004 Candidate of Technical Sciences (Philosophy doctor of materials science).  
2011 Associate Professor, Department of Materials and Materials Treatment.  
2021 Doctor of Engineering Sciences.

**Technical activities.** 1994-1999 Student of Dnepropetrovsk State University.  
1999-2002 Post-graduate student of the Prydniprovsk State Academy of Civil Engineering and Architecture.  
2002-2004 Junior Researcher, Laboratory of experimental research of the Prydniprovsk State Academy of Civil Engineering and Architecture.  
2004-2006 Senior Researcher, Laboratory of experimental research of the Prydniprovsk State Academy of Civil Engineering and Architecture.  
2006-2007 Associate Professor, Department of Physics of the Prydniprovsk State Academy of Civil Engineering and Architecture.  
2007 Associate Professor, Department of Materials and Materials Treatment of the Prydniprovsk State Academy of Civil Engineering and Architecture.  
2020 Head of the department of Fundamental and Natural Sciences of the Prydniprovsk State Academy of Civil Engineering and Architecture.

**Sphere of scientific interests.** Optical, scanning and transmission electron microscopy.  
Nanostructures elements in steel multi-purpose and their effect on the performance properties.  
Special border in ferrite, acicular ferrite, bainite and martensite. Grain boundary engineering. High-strength steel.  
Controlled rolling. Physics of destruction of constructional materials. Formation of structure and substructure of the austenite during heating and subsequent deformation conditions. Formation of the final metal structure in order to ensure high performance in three directions.