

07.03.2023 г.

An open lecture cycle by the famous university scientists and invited lecturers continues at BSUIR.

On March 1, 2023, Viktor Borisenko, Doctor of Physical and Mathematical Sciences, Professor, Professor of the Department of Micro- and Nanoelectronics, Scientific Supervisor of the Center for Nanoelectronics and Advanced Materials, member of the Belarusian Physical Society, gave a lecture on the topic “Physics of Nanoscale Structures”.

Doctor Borisenko is an expert in the field on nanomaterials. He has been working for the university for more than 50 years, trained more than 25 Ph.D. students and 5 doctors of sciences. The professor has one of the highest h-indexes (Scopus) among the BSUIR employees, which is 27. Published more than 300 scientific papers, including 9 monographs, and he is the author of more than 50 patents.





The lecture was visited by approximately 70 students, including the BSUIR employees. Some of them attended the lecture online. Professor Borisenko talked about history behind the creation of nanotechnologies, spoke about the amazing properties of nanomaterials such as quantum effect, luminescence, ballistic conductivity, spin effect, and tunneling of charge carriers. The lector provided examples of practical nanomaterial use in nanoelectronics, spintronics, nanomedicine, and integrated systems for data processing.



Three more lectures are ahead:

16.03.2023

15:00-16:30, ауд. 203-3

Lector: **Dmitry Migas**, Doctor of Physical and Mathematical Sciences, Associate Professor, Head of the Department of Micro- and Nanoelectronics.

Topic: "One-Dimensional Silicon Nanostructures in Electronics".

29.03.2023

10:00-11:30, ауд. 203-3

Lector: **Anna Borisenko**, Ph.D. in Technical Sciences, Associate Professor, Associate Professor of the Department of Micro- and Nanoelectronics, Head of the R&D Laboratory "Applied Plasmonics".

Topic: "How to make money on quasiparticles".

12.04.2023

10:00-12:00, ауд. 203-3

Lector: **Serghej Prischepa**, Doctor of Physical and Mathematical Sciences, Professor, Professor of the Department of Information Security.

Topic: "Physical foundations of superconducting spintronics".

