Delegation from JSC Russian Railways Visited Saratov University

Authors:

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On December 22, Saratov University was visited by a delegation consisting of Head of the Centre for Innovative Development of Russian Railways Dmitrii M. Verbov, Chief Engineer of Privolzhskiy Railways – a branch of Russian Railways Vladimir Andreyev, and Deputy Head of Technical Policy Service of Privolzhskiy Railways – a branch of Russian Railways Ruslan Sultanov. The guests and the university administration discussed the mutual prospects, also they listened about the university studies, and talked with researchers – developers of innovative projects.

SSU Rector Aleksei Chumachenko commented on the university history, innovation, and education. ‘This year our university has celebrated its 112th foundation anniversary. We train specialists in a wide range of areas, including physics, chemistry, and computer science. A recent meeting with young researchers has showed the potential and power of university education because the training contributes to the creation of unique developments that have no analogues in the world,’ the rector commented on the victories.

According to Dmitrii Verbov, Russian Railways is facing many challenges related to digitalisation and artificial intelligence. Many production processes are not algorithmised yet. ‘Now these tasks are being successfully solved by our sectoral research institutes. Over the past year, the Centre for Innovative Development has been mostly focusing on science. For this purpose, competitions are held, student business incubators are promoted, projects are developed,’ Dmitrii Verbov said.

Ruslan Sultanov reminded about the long-lasting relationships between JSC Russian Railways and Saratov University. One of the new areas of cooperation, according to him, would be the graduation project, when the company would take over the supervision of graduation papers.

The guests visited the laboratories of Saratov University in Bldg. VIII and watched the presentation of the developments of the university researchers.

A member of the Magnetic Metamaterials Laboratory, Associate Professor of the Department of Open Systems Physics Alexander Sadovnikov spoke about the developments of the researchers, which are carried out in the lab. In particular, they talked about the usage of magnetic particles in medicine, the control system at level crossings, the usage of an ultraviolet laser for surface disinfection, and other areas.