

Scientific work



Scientific work of the Academy concentrates on key aspects of scientific and technical progress of the transportation sector.

It has been created the network of scientific and technical, certification, and production structures, which has been increasingly growing. The Academy is a leading organization in the sphere of standardization on railway transport, scientific provision, creation, operation, maintenance and repair of electric trains. It has also been created a research and educational centre of transport medicine. The Academy's scientific work on introducing logistic and information technologies has been increasing.

The Academy takes an active part in fulfilling state and industry integrated and target programmes, such as 'Transport Corridors of Ukraine', 'Safety Traffic on Ukrainian Railways', 'High Speed Transportation', 'Electrification of Ukrainian Railways', 'Industry's Reforms Programmes'.



Research work on a paying basis aims at solving engineering tasks. The main customers of such developments are Ukrzaliznytsia, Kharkiv Underground, and industrial transport enterprises. The railway area accounts for 80% of the total applied research.

The Academy provides and proposes cooperation in fulfilling fundamental, pilot and applied research on problems of human, natural, social, and technical sciences against the orders from Ukrainian and international enterprises, bodies, organizations, and individuals. As regards planning and organization of scientific research, the Academy is one of the fundamental bodies specializing in establishing priority and promising areas of scientific research on railway transport. The specialists of the Academy conduct research with Ukrainian and international customers into creating scientific and technical production, providing scientific and technical service, marketing research, designing business propositions and business plans for introducing research results into production.



The Academy organizes exhibitions and promotes the research results, provides legal assistance of intellectual property subjects, and scientific and methodical assistance for patent research at all levels of research and design studies, in Ukraine and far beyond.

The students are involved in scientific activity by participating in student scientific and technical conferences, contests, scientific work on self-financing and state-financing basis.

The Academy has been broadening its international contacts. At present the scientists and researches cooperate with colleagues from Russia, Bielorussia, Tadzikistan, Kazakhstan, as well as with leading specialists from the EU countries.

Training of scientific and pedagogical personnel is provided by the doctoral (14 specialities) and postgraduate courses (34 specialities).

There are special academic councils on the basic specialities of railway transport. They embrace all specialities the academy gives training on.

The results of research and educational work of the Academy have been reflected in textbooks and tutorials, monographs and collected research papers, journals, published in Ukraine and far beyond. We are glad to cooperate with those who wish and are interested in scientific and innovation potential of the Academy.