Online seminar on the course "Precision (coordinate) agriculture and data processing"

Today, concepts such as "smart farming" and "precision farming" are already firmly established in our lives. These modern technologies make it possible to reduce the costs of growing crops and livestock, increase yields, quickly and accurately assess the area of agricultural land, increase the efficiency of farming, and improve the working conditions of machine operators. The use of these technologies places particular demands on the qualifications, knowledge and practical skills of agricultural engineers. The institute is implementing the project "Improving training programs for agricultural engineers by introducing innovative solutions in foreign universities", work is being carried out to study modern technologies in the curricula of foreign universities and their inclusion in the curriculum.

Within the framework of the project, on June 15-26, 2020 with the participation of Professor Ganesh Bora from the University of Mississippi, USA, an online seminar on the topic "Precision (coordinate) agriculture and data processing" was held through the WebEx platform. The seminar was attended by over 30 teachers, doctoral students and masters from TIIAME. It was also attended by representatives of the National University of Uzbekistan, Tashkent State Technical University and Tashkent State Agrarian University. The seminar studied the most widely used crop monitoring systems in the United States: global navigation satellite systems and geographic information systems, remote sensing systems, modern sensors, automatic control systems, the use of unmanned aerial vehicles in precision (coordinate) agriculture, the use of the data obtained. At the end of the online seminar, the parties agreed to cooperate in the implementation of research projects in this area, as well as in the creation of educational materials for courses in the field of agriculture with precise coordinates.

Press service of TIIAME.