

The Polytechnic became the strongest in marine robotics

In September, students from Peter the Great St. Petersburg Polytechnic University took part in the All-Russian Competition of Robotized Boats and the 5th All-Russian Marine Robotics Competition «Eastern Breeze 2022» in Vladivostok.



The All-Russian competition of robotized boats, organized by Admiral Nevelskoy Maritime State University, was held from 10 to 11 September at the lake in the park of Minny Gorodok. The honor of Polytechnic University was defended by the team coach Artem Akzhigitov (the 4th year student of the Institute of Mechanical Engineering, Materials and Transport), the commander (2nd year master's degree student of the Institute of Physics and Mechanics Anton Bogdanov), and fourth-year students of IMM&T — Andrey Klinovitsky, Konstantin Koziura, and Georgy Onuchin. The guys tested and debugged the Point-Pi multipurpose robotic complex of experimental design with three degrees of freedom, developed at the center of technological projects, and eventually took fourth place. The competition was supported by the Priority 2030 program.

All-Russian stage of the 5th Marine Robotics Competition «Eastern Breeze-2022» was held on September 12th-16th at the water station of Pacific Fleet. Seeking to improve the results, the polytechnic changed the design flaws in a short time.

They had to pass a barrier zone: at the disposal of the participants, there were only a map with marks and their coordinates. Thanks to the robot's ability to navigate using GPS, this task was completed brilliantly, and for the second year in a row, the SPbPU team won in the «Crewless Boats» type «B» class.

We were very lucky that in one trip we covered two competitions of this level. It was a shame to be fourth in the first one, but we were able to pull ourselves together, take into account all the shortcomings and win, shared Andrey Klinovitsky.



The guys are not going to stop there. They intend to improve the design in terms of stability and accuracy, and, above all, to increase the speed of movement. In this, they will benefit from the experience gained at the competitions, because the performances of other teams allowed them to test different configurations of impellers for the robot

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