According to Professor Igor Shirokov, the new system will use a combination of electromagnetic and acoustic wave processes. Unlike traditional methods, which do not work underwater due to the impossibility of transmitting GPS and GLONASS signals, the development of SevSU scientists allows achieving accuracy of up to several millimeters.

The created laboratory “Underwater Communications and Navigation” must present a unique system that has no analogues in the world within two years. The use of in-phase oscillations and rangefinder measurements makes it possible to create a phase radio engineering system that provides high positioning accuracy, Shirokov noted.