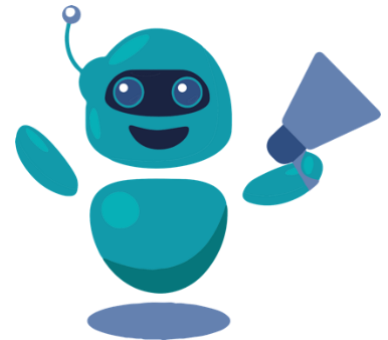




## COMMUNITY & OUTREACH ACTIVITY

The activity of the Science Club is not limited only to participation in various competitions. Of course, this is an important factor that motivates the team to upgrade our robot and motivates to achieve new successes. It should be mentioned that this is not the only core of our activity.

During the academic year we have the opportunity to participate in many events. Their large part is organized by Wrocław University of Science and Technology or other organizations such as the city hall or NGOs.



### 1. MIPRO Conference

In May 2022, the MIPRO conference was hosted in Croatia. Its main theme was new and advanced technologies. Members of our scientific society prepared two scientific articles on this occasion: "Optimized Laser Triangulator for Underwater Robot Vision" and "From ROVs to AUVs - Optimization and Analysis of Underwater Vehicles Design" and then presented them at the event.

### 2. Student Activity Days (DAS - Dni Aktywności Studenckiej)

This is a cyclic event, which is organized by the authorities of Wrocław University of Science and Technology. Its purpose is to promote science clubs among students and the exchange of knowledge and experience between members of other academic organizations. "Robocik" could be met at two stands. Everyone had the opportunity to try their hand at the helm of the Blue Nemo floating in the pool located in front of the event's building. We also shared information about our project with everyone interested, promoted the organization in the main exhibition hall, answered questions and, of course, encouraged us to join our crew in future recruitments.





### 3. "Program the Robot" Hackathon (Hackathon „Zaprogramuj Robocika”)

In March we organized our author's hackathon. The event was addressed to all fans of programming and computer scientists from Wrocław University of Science and Technology. Hackathon lasted 48h and its main task was to program a robot, which had to move in a specially created game. Several dozen participants took part in the event.

### 4. Student Activity Fund (FAST - Fundusz Aktywności Studenckiej)

It is an annual city program, initiated by the Mayor of Wrocław. Its main objective is to support academic entrepreneurship, involvement in the development of scientific research, innovation and student creativity. This year, we received funding for our project "Development of artificial intelligence and simulation environment for a drone operating in natural water body conditions." It will allow us to make images generated in a virtual environment, such as a lake, more realistic by adding elements of underwater scenery such as plants or rocks.

### 5. Precious Package (Szlachetna Paczka)

This is a nationwide, annual social project organized by the "Stowarzyszenie Wiosna", whose main goal is to provide material and mental help to families and individuals in difficult life situations. In December, during the Christmas period, we were able to support, together with other science clubs from Wrocław University of Science and Technology, one of the families which was included in the Association's initiative.

