

University of Warsaw Rover Team is a student team devoted to the construction of mars rover analogues for international robotics competitions. Currently we count twenty students from three different faculties of the University of Warsaw.

We take part in a variety of competitions but all of them place similar demands: to construct a remotely controlled robot (mars rover) capable of accomplishing a set of tasks, which are meant to simulate what real rovers may face during future manned missions to Mars. This includes exploration of rough terrain, picking up and delivering objects, manipulating equipment and performing geological surveys of the area. In addition some of the tasks need to be performed autonomously, without any operator's input.

Our team was formed in December 2014 at the Faculty of Physics. Having no prior robotics expertise and coming from a university without a technical focus, we had a tremendous challenge ahead of us. We needed not only to learn from scratch everything about designing and constructing robots but also to build up all the necessary infrastructure. Our first rover, called the Axolotl, was barely finished in time for the European Rover Challenge 2015 in September.

In 2016, with the Axolotl 2.0, we've managed to secure some great successes. We finished 3rd at the United Kingdom University Rover Challenge and 6th at the European Rover Challenge. Building on that experience, we want to prove ourselves in this year's University Rover Challenge, which happens in June in the USA. For that competition we are currently constructing an entirely new rover - the Anteros. It will feature the best battle-tested solutions from the previous rover, while also introducing innovations and improvements.

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