Rover’s Electronics

The goal of this project is to take care of the electronics inside the Rover: component selection, soldering, PCB design, power alimentation, debugging, etc.

Laboratory: TBD
Number of students: 1 (Bachelor/Master)
Section: EL, GM, MT
Status: Available

Description of the project
Rovers are cool. From Lunakhod to Perseverance, these loyal companions helped humanity to move further and further into space exploration. That’s why we want to build our very own rover for future Asclepios’ missions. The key word in the design spirit here is: modularity.

The main challenges will be to be able to interface all the different elements to the microcontroller, the brain of our rover.

We are looking for a passionate, motivated and autonomous student that will help us bring our baby alive!

Join us for an exciting adventure, your first step to the (analog) moon!

Description of the student’s work and mission
Your task will be to take care of the electronics inside the rover. From components selection, soldering, wire management, PCB design, power alimentation, integration, debugging, C/C++ coding, this project will make you go through a whole electronical design on an actual Rover that will be used in the Asclepios mission.

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