

Project proposal

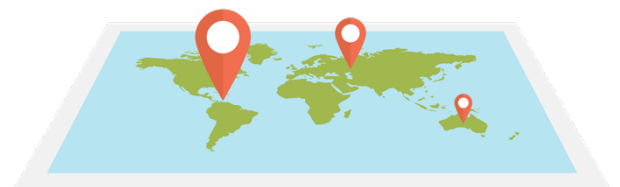
Title: Rover Triangulation
 Supervisor: Anja Skrivervik
 Timeframe: Autumn 2021

EPFL Xplore is an interdisciplinary project whose aim is to design and develop a Rover to participate in two international competitions: The University Rover Challenge and the European Rover Challenge. In order to localize the Rover, one idea would be to obtain its position through triangulation from 3 emitters.

Project description

Problematic

It can be difficult to get the exact position of the Rover on the field without having a visual of it, which can be the case at the European Rover Challenge. One solution would be to determine the position of the Rover by placing 3 emitters on the ground. The emitters shall be low power integrated electronics with an antenna that will be used to localize the Rover. The Rover shall be able to place them on the ground using its robotic arm. The scope of this project would be to design those emitters.



Contact

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