



BA/MA/SA/Group/Lab:

GPS Tracking Over LTE

Although GPS receivers are used in cameras, fitness devices, phones and animal tracking devices, the range of applications for GPS receivers is still limited. This is mostly because long term tracking is quite energy consuming. You may have observed that the GPS receiver in your phone draws a lot of power if you want to track your location with high resolution for a whole day.



We have been working on a drastically different GPS receiver design with superior energy efficiency. The goal of this thesis is to send the data captured from such a receiver to a server over a low power cellular network. In this project, you will design and build your own hardware, implement a demo application and test this prototype.

Requirements: Creativity and hardware prototyping skills are advantageous. The student(s) should be able to work independently on this topic!

Interested? Please contact us for more details!

Contacts

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