



Smart Mobility Lab

F1/10 autonomous racing competition 2018, Porto

We are looking for students that want to be part of an autonomous driving team with the F1/10 RC Car platform, to compete with other teams at the CPSWeek in Porto in April this year.

The vehicle platform and the competition are described here (<http://f1tenth.org>) This platform has been used in the Smart Mobility Lab since fall 2016, so the cars and existing firmware are ready to work with. For inspiration, check our latest project course videos:



<https://www.youtube.com/watch?v=LF9Kui2UI2k&feature=youtu.be>

This is extracurricular work so you must make sure that you have time to be engaged. We will supply the team with the F1/10 car including sensors and onboard computer, and initial code to get started. We will also provide technical support and project supervision(1+1 hour per week), but we will not lead the team, that will be up to you.

We will also try to help finding support for travelling to the competition, but your own initiatives for that will also be required.

Note that the competition will take place only if there are enough registered teams by the end of next week. This will be FUN! Feel free to spread this to other fellow students.

We need to act fast! The timeline for application and competition itself is as follow:

- Wed 7 Feb, 23.59, announce your interest in this form <http://www.kth.se/form/f1tenth>, including a brief motivation, summary of courses/skills and how much time you plan to engage in the project in weekly basis
- Fri 6 Feb(deadline), if there is enough interest, we will register a team
- 12-16 Feb, interview with applicants, team selection and kick off
- 10-13 April, Competition days in Porto

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