Open Seminar Series
Geoscience & Remote Sensing

GPS on the road

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12:40-13:30
CiTG room E

Getting a self-driving car to the road is clearly a multi-disciplinary challenge. Technical aspects concern vehicle control, communication, vehicle vicinity remote sensing, and positioning. In this presentation I'll outline required positioning capabilities, in terms of accuracy and integrity, particularly for advanced driver assistance and fully automated vehicles, and, GNSS satellite navigation solutions to meet these. Just an ordinary GPS position fix will meet neither a required decimetre accuracy, nor a minimum 10^{-6} integrity risk. Finally I'll review trends and developments in the field of GNSS satellite navigation related to self-driving cars.