

GNSS and applications: Cheaper, Faster, More and Better

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In this presentation we will show ongoing developments in GNSS applications and the associated research challenges that we are working on. Firstly, these challenges come from the user side in terms of requirements: cheaper sensors, faster solutions, higher availability, better performance in terms of precision and integrity. Secondly, the availability of more GNSSs poses challenges on combining the observations of all systems taking into account inter-system biases and the higher computational burden. After introducing these challenges, we will zoom in on a few applications, such as autonomous driving and atmospheric sounding.