

Role of Reference Frames in a Dynamic World

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SUMMARY

In the near future, a scenario of worldwide precise positioning services available for the wider consumer market, may be a reality. Here, (sub?) decimeter-level mobile phone positioning and autonomous vehicle navigation are two much talked about mass market applications. To take advantage of the high precision positioning services, it should be consumed together with precise spatial information. Therefore, the precise positioning services and the precise spatial information must be provided in the same geodetic reference frame.

The presentation will discuss possible alternatives for handling of reference frames in the foreseen scenario, including dynamic reference frames and some strategic issues on standardization of the information on geodetic reference frames in real time streams from positioning services and spatial information.