

GPS Signal Correction to Improve Vehicle Location during Experimental Campaign

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Abstract : In recent years the progress of the automobile industry in Italy in the field of reduction of emissions values is very remarkable. Nevertheless, their evaluation and reduction is a key problem, especially in the cities, which account for more than 50% of world population. In this paper we dealt with the problem of describing a quantitative approach for the reconstruction of GPS coordinates and altitude, in the context of correlation study between driving cycles / emission / geographical location, during an experimental campaign realized with some instrumented cars.

Keywords : air pollution, driving cycles, GPS signal, vehicle location

Conference Title : ICEEE 2014 : International Conference on Energy and Environmental Engineering

Conference Location : London, United Kingdom

Conference Dates : July 27-28, 2014