

HERE Technologies Research Proposal

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Abstract

1 Introduction

Need of 3D Mapping in Self Driving

How Self driving requires more data than just the data provided by GNSS

2 Literature Review

Different Mapping Techniques:

1. Visual Mapping

2. Lidar Mapping

Use of HDFS for data association of Lat Long with Digital Markers

3 Research Methodology

Developing a system comprising of 2 parts:

On-Vehicle: for Data Recording

Online Platform: for putting together the data recorded and generating a map of it

4 Conclusion

5 Citations

Real-Time Dense Mapping for Self Driving Vehicles using Fish Eye - September 17 2018

Real-time Dynamic Object Detection for Autonomous Driving using Prior 3D Map - September 28 2018