

VIAC: an Out of Ordinary Experiment

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- ▶ Presents the details and preliminary results of VIAC, the VisLab Intercontinental Autonomous Challenge, a test of autonomous driving along an unknown route from Italy to China
- ▶ The onboard perception systems can detect obstacles, lane markings, ditches, berms and identify the presence and position of a preceding vehicle
- ▶ The information on the environment produced by the sensing suite is used to perform different tasks, such as leader-following, stop & go, and waypoint following
- ▶ All data have been logged, including all data generated by the sensors, vehicle data, and GPS info
- ▶ This data is available for a deep analysis of the various systems performance, with the aim of virtually running the whole trip multiple times with improved versions of the software
- ▶ This paper discusses some preliminary results and figures obtained by the analysis of the data collected during the test