

CRASH

Driver's Behavior Cognition Based on Mobile Phone Sensors



Cofinanciado por:



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Objectives

Development of a high precision system designed to be used in a professional simulation environment that will allow its users to reconstruct road traffic accidents.

Team

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Partners

- Sketchpixel
- Instituto Politécnico de Leiria
- National Technical University of Ukraine - Igor Sikorsky Kyiv Polytechnic Institute

Results

- A 3D scanning system for the accident scene, and a 3D digitalization system for vehicles with precise definition of the deformations suffered during an accident
- DS/AI models for feeding environment simulations with additional data, delivering additional insights related to the accident timeline
- Kinematic and dynamic models to perform the reconstruction of the accident collision moment and the paths before and after the impact

