Personal Information

Name: Sergio	
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Nationality: Spanish	

Studies

Title of degree	Study Period	Location
Telecommunications Engineering Bachelor	2006 - 2013	E.T.S.I.T University of Valladolid

Diploma Thesis

Company/ University	Title	Abstract
Technische Universität Dresden	**Performance Investigation of Low-complexity Localization Algorithms in 3D scenarios**	Evaluation of different already designed localization algorithms in 3D scenarios in terms of accuracy and complexity using Matlab. Design, implementation and evaluation of a new low-complexity algorithm for tracking nodes in movement in different 3D scenarios taking Extended Kalman Filter as a reference algorithm for comparative analysis.

Professional Experience

Company/ University	Location	Period	Description
Daimler AG	Sindelfingen	Jan 2013 –July 2013	Internship at the Mercedes-Benz Technology Center. Development of an automated bench testing tool and validation of the mbrace2™ in-vehicle telematic services. CANoe simulation/CAPL programming language to interact with different Electronic Control Units within the vehicle. Conduct unit and integration tests in the lab and in vehicles. Support demonstration and pilots for vehicle climate control and battery remote charge programs.

Languages

Language	Understanding	Speaking	Reading	Writing	Certificates
Spanish	Mother tongue	Mother tongue	Mother tongue	Mother tongue	
English	High	High	High	High	**Certificate in Advanced English (C1)**
German	Low	Low	Low	Low	

Extra-Curricular Activities

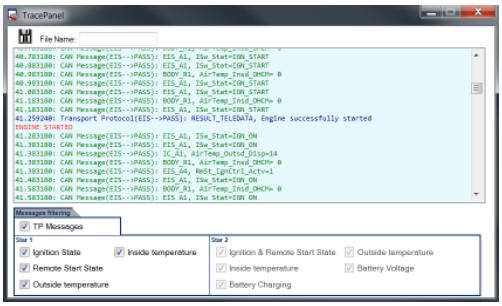
Date	Activitiy	Location
2011	Aula Mercedes Benz – Vehicle Telematics	Valladolid, Spain
2010	Conference about techniques and systems for indoor localization	Valladolid, Spain
2010	Robolid	Valladolid, Spain

CANoe Simulation for mbrace® services

Simulation for supporting testing phase of different ECUs in new mbrace® services.

Simulation of the user experience

Monitoring of the electronical communications



Some features of the tool:

- Simulation of the smartphone interface offered to the final customer.
- Several performance modes for supporting different types of tests.
- Visualization mode for monitoring communications.
- Monitoring of the communications between the electronical devices in terms of Transport Protocol and CAN messages.
- Generation of logging files with the traces generated in the testing process.
- Automation of tests using script files.
- Graphical interface for a more intuitive understanding of the state of the process.