Personal Information

Name: David	
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Nationality: Spanish	

Studies

Title of degree	Study Period	Location
Telecommunications Engineering Bachelor	2003 - 2010	University of Valladolid, Spain.
Telecommunications Engineering Bachelor	2008 – 2009	Vienna University of Technology, Austria.

Diploma Thesis

Company	Title	Abstract
Vienna University of Technology	"An antenna design for IR UWB indoor localization including a filter for IEEE 802.11a"	Starting with a literature research of suitable and not suitable antennas for impulse-radio ultra-wideband systems and after an evaluation of the most important antenna parameters for indoor positioning applications, different aperture coupled and antipodal fed Vivaldi Antennas were simulated with the Ansoft HFSS, a 3D full-wave electromagnetic field simulation software, also their geometry was optimized and notch filters for narrowband interferer suppression were added, in particular for WLAN.
Daimler AG	"Development of a tool for testing the ADASIS-Data in the navigation maps and the ADAS Horizon Provider"	In the new navigation systems is transmitted a new data type called ADASIS-Data which provides the driver with an ADAS-Horizon that helps him during the driving. Then it becomes necessary testing of those new data and this is the aim of my Diploma Thesis. To achieve this it has been developed some appropriate graphical representations of the ADAS-Data, preferably in Excel or Google Earth, since these are the programs that are used in the team. It has also been created a tutorial on my tool for anyone to use it in the future.

Professional Experience

Company/ University	Location	Period	Description
Daimler AG	Sindelfingen (Germany)	August 2009 – August 2010	Internship in the Vehicle Development Division. Support the development of the next generation Mercedes-Benz Navigation systems for all world markets: • Development of Test Methodology for Navigation Systems • Testing of Navigation Systems on Bench Level and in Test Cars

Languages

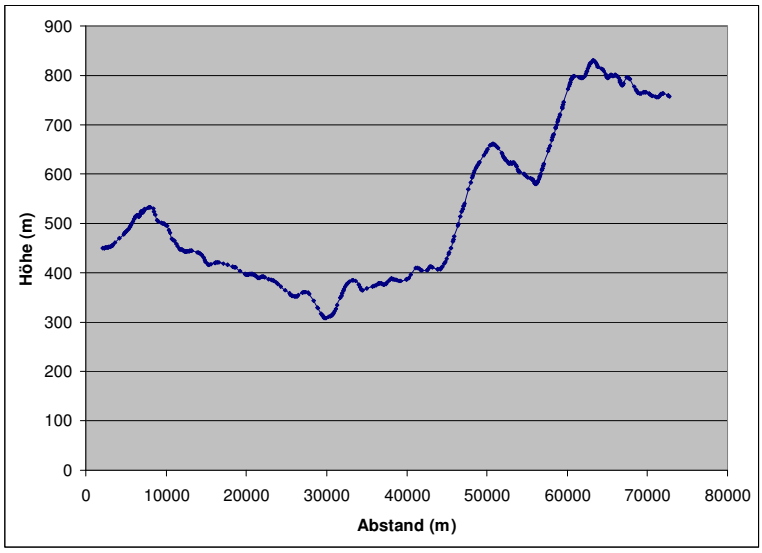
Language	Understanding	Speaking	Reading	Writing	Certificates
Spanish	Mother tongue	Mother tongue	Mother tongue	Mother tongue	
English	Very good	Very good	Very good	Very good	**3rd Course at the E.O.I.**
German	Good	Good	Good	Good	**Technical German at the Vienna UT**
French	Good	Good	Good	Good	**3rd Course at the E.O.I.**

17th May 2010

Appendix

Some graphical representations of the ADASIS-Data:

- Slopes in Excel



With this graph obtained from the slope values can be checked easily their correctness.

- Curvatures in Google Earth

In this representation can be compared the path in different colours for each type of curve segment with the route in blue, calculated from the values of curvature.