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Datum: 26.7.2017

Certification Exchange Student, Asier Garciandia, University of Navarra

To whom it may concern!

I hereby certify that Asier Garciandia, student of the public University of Navarra, has successfully completed an independent research project under my supervision at the ISA Center of Excellence, Hochschule Niederrhein, Krefeld, Germany.

Mr. Garciandia conducted his research from March 1, 2017 until July, 28, 2017. On average he spent about 32 hrs/week on the project resulting in a total of about 700 hrs. Together with a seminar presentation describing his research to members of the ISA team he fulfills the formal requirements of a total of 24 ECTS points in accordance with the modules 'Bachelor thesis' and 'Kolloquium' described in the module handbook (Modul-Handbuch Vollzeit-Studium Elektrotechnik, Fachbereich 3, Hochschule Niederrhein).

His work fully met and in part exceeded my expectations and also meeting the special competences for "End-of-Grade work module" as required by the University of Navarra

(<http://www.unavarra.es/ficha-asignaturaDOA?languageld=100000&codPlan=242&codAsig=242890>).

He demonstrated his ability to independently carry out a research project given to him including acquiring basic information, developing a project plan, structuring his research, execution, and summarizing his findings as well as demonstrating his results in written and oral form.

Mr. Garciandia summarized his work in his Bachelor thesis entitled "Real-time Imaging for Microfluidic Applications" and earned a final grade of "1.0" for his work.

If you have further questions please don't hesitate to contact me.

(Jost Göttert)