



22 January 2014

## Recommendation letter for Rafael Ferrín

I am Associate Professor at the University of Seville (<http://www.esi.us.es/~jdedios/>)

I have been the advisor of Rafael during the final Thesis of his Master degree in Robotics and direct supervisor of his work at GRVC during four and a half years.

Rafael is outstanding as engineer and researcher. He has very good analysis & optimisation skills, very good Matlab & general programming skills, outstanding knowledge of geometry and maths and, the most important factor, for him any problem we face is just a game; the more complicated the problem is, the funniest and appealing for Rafael, the game/problem is.

Rafael is one of the most creative persons from the Engineering point of view, that I have known in my 16 years of experience as professor. He has a very creative way to face problems, always thinking outside the box, as he likes to say, and the result is always a fresh and different perspective. Below is just an example:

[me]: we have an exciting new project; we need a very fast image analysis able to detect the origin of an electric arc in a control panel of a power plant (ten times quicker than a standard video frame)...

[Rafael]: ...maybe it is not necessary... we need a light capacitor...

[me]: a light capacitor?

[Rafael]: Paint the background with fluorescent paint, so we have more time to capture with the camera the path of the lightning...

Apart of his engineering skills, Rafael has an interesting social and cultural background that translates into a strong self-confidence, leadership and team player skills. It is always easy to approach him for anything and he always take care of the people around him.

We really appreciated Rafael and enjoyed having him at our team, so we wish him the best in Japan.

I strongly recommend Rafael as researcher or engineer in general.

Sincerely,

**José Ramiro Martínez de Dios.**

Associate Professor

PhD. in Telecommunication Engineering

GRVC (Robotics, Vision and Control Group)

University of Seville

[jdedios@cartuja.us.es](mailto:jdedios@cartuja.us.es) Ph: +34-954487357 <http://www.esi.us.es/~jdedios/>