5G Rural Dorset – Meet the Team

Angel Almeida

Angel works within the Ubiquitous Connectivity Team as a Telecommunications Systems Engineer. His work within this project focusses on developing the potential uses that 5G technology has for agriculture and public services.

"I hope to contribute to the team with my experience in communications technologies, sensor networks, firmware design, devices and integration"

1. How long have you been working at the Catapult?

I started to work at the Catapult one year and three months ago, in October 2019.

2. Tell us a bit about yourself/your background

I am from Seville (Spain), where I studied Telecommunications Engineering. From 2016 to 2019 I worked in an R&D centre from the Technical University of Madrid, developing hardware and embedded software for IoT devices, and I had the opportunity to work in different R&D projects. At the same time, I did a Masters degree in Electronic Systems Engineering and after finishing it I moved to the UK and joined the Catapult. Since then, I have been working in different projects related to IoT, emergency services and, at the moment, in RuralDorset project, 5G and agriculture.

3. What is your role within this project?

My role in this project is a technical one. My work is focused on shaping and developing the different use cases that have been designed to demonstrate the potential that 5G has for agriculture and public services.

4. What are you most looking forward to researching/achieving/demonstrating during this project?

I am very interested in demonstrating how 5G can provide tools to farmers to change the way of operating the farms, helping them to optimise their daily operations and increasing the productivity while reducing the impact on the environment, one of the main challenges of the sector.

5. How do you see this project transforming lives/business functions?

It will demonstrate how communications and technology can have a key role in transforming rural areas and their businesses, boosting the productivity, reducing the time and effort spent on routine tasks through the automation of time-consuming activities, and increasing the environmental benefits on farms and surroundings. This project can also enable the creation of new business models that at this time do not exist.