



## Project Abstract:

*Brief description of the project objectives and expected results. Remember to define the tasks that will be developed by the researcher (maximum 2,000 characters).*

DEPARTMENT & PROJECT REVIEW:

I2CAT is looking for a post-doc researcher to work on O-RAN technology under the Tecniospring 2021 program.

The selected candidate will work on an internal project evaluating focused on ORAN. Concrete targets of the project include:

Study and understand the ORAN specifications and interfaces  
Setup a testbed using the ORAN bronze or cherry software releases, including O-DU, O-RIC and O-SMO  
Analyze the interactions between the RIC and SMO components of ORAN, including the O1 and A1 interfaces  
Analyze the ORAN xAPP framework and propose/implement/evaluate novel xApps.  
As part of his regular work the researcher is expected to:

Represent i2CAT at EU and national project meetings  
Define algorithms and protocols applied to wireless technologies  
Generate patent ideas  
Generate results and lead scientific publications  
Make technical presentations

Work with network prototypes. Requires expertise on Linux networking stack

The researcher will be part of the Mobile and Wireless Internet (MWI) group at i2CAT. More information can be found here:  
<https://www.i2cat.net/research-topics/mobile-wireless-internet/>

Incoming  Outgoing+Return

## Sector:

Food Industries  Industrial Systems  Chemistry, Energy and Resources  Design Industries   
Sustainable Mobility  Health and Life Sciences  Culture and Experience-based Industries

## Technology:

Photonics  Biotech  ICT   
Nanotechnology  Advanced Materials  Advanced Manufacturing

## Contact information

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