

## PhD position on Communication Networks and Edge Computing for Connected, Cooperative and Automated Mobility (CCAM)

### Title:

Development of artificial intelligence-based methods for planning and operation of communication networks equipped with edge-to-cloud resources and computation offloading.

### Description of job offer:

A job position is offered for the completion of a PhD in the field of communication networks for Connected, Cooperative and Automated Mobility (CCAM) and Cooperative Intelligent Transport Systems (C-ITS). It will focus on the development of machine learning-based algorithms for planning and operation of cognitive communication networks equipped with edge-to-cloud computing resources and for computation offloading. The work will be carried out in the framework of the national project On-Demand Provisioning of Network and Computing Resources from the Cloud to the Edge (ONOFRE-3), and the new researcher will have to complete the tasks indicated in that project.

In addition to the research work, the hired person will travel to the ONOFRE-3 meetings as well as to international conferences for the dissemination of the results of his/her research. In addition, he/she will collaborate with other projects of the research group, mainly H2020 MSCA IoTalentum (<http://www.iotalentum.eu>), ARTEMIS, and Go2Edge (<http://go2edge.uva.es>).

### Offer:

- Contract according to UVA agreement (Investigador Iniciado): gross remuneration of € 1,733.69 / month (12 pays per year).
- 37.5 hours/week with flexible schedule.
- 3-year contract.

### Requirements:

Applicants must hold the title of: Telecommunications Engineer / Electronics Engineer / Computer Engineer, Master of Mathematics or Master (or equivalent) in Engineering, Master of Research in Engineering or Mathematics.

The following merits will be assessed (if there is documentary evidence):

- Knowledge about communications networks and artificial intelligence/machine learning techniques.
- Experience in programming and knowledge of programming languages.
- Journal/conference papers in the work field.
- Journal/conference papers in other fields from the area of engineering or mathematics.
- Other research merits.
- Official English certificates.

### Applications:

Applicants must send to contacts (below) their letter of motivation, CV as well as documentary evidence of merits **by 19<sup>th</sup> September 2021**.

### Contact:

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