



UNIVERSITAT POLITÈCNICA  
DE CATALUNYA

## **PROJECT DESCRIPTION**

Microarchitectures and compilers

The ARCO (Architecture and Compilers) research group of the Universitat Politècnica de Catalunya at Barcelona (Spain) is seeking candidates to pursue a Phd (or Master+PhD) in the area of computer architecture. The research group ARCO consists of members of the Department of Computer Architecture at UPC, members of the Intel-UPC Barcelona Research Center and members of the Computer Science Department at the Universitat Rovira Virgili (URV). The group is formed by professors, PhD students, and post-doc researchers. The research of the group focuses on microarchitectures and compilers techniques to increase performance, enhance reliability and reduce power dissipation of future processors. The group is working on several projects encompassing the areas of multicore architectures, new threading schemes, hardware/software codesign, power-aware computing, programmable accelerators and resilient microarchitectures among others.

Duration: 4 years

Number of scholarships: 2

## **RESPONSIBLE UPC RESEARCHER**

Prof. Antonio González

## **UPC RESEARCHER CONTACT**

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## **FUNDING AND FACILITIES OFFERES**

Each scholarship will cover an air ticket to Barcelona, tuition and a stipend of Euro 1150 per month.