



UNIVERSITAT POLITÈCNICA DE CATALUNYA

BARCELONATECH

PROJECT DESCRIPTION

Title: PhD in Processor Microarchitecture and Compilers (several positions available)

Project description:

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.

UPC RESEARCHER CONTACT

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OTHER INFORMATION

Funding: Tuition and stipend of Euro 1200 per month
Duration: 4 years
Facilities: Everything required for the job (office, computing facilities, etc.)