



## Job offer for researchers, research technicians or research support officers under Chapter 6 allocation

### Job offer

#### Title

91/2022 - "Part-time contract to provide support to the Electronic Engineering Research Group (GEE) as part of the 'Deep Neural Network Adaptive Systems Hardware for Intelligent Audio Processing (DEEPHARD)' research project

### Main researcher

Name: Miguel Jesús

Last name 1: Roca

Last name 2: Adrover

Department: Department of Industrial Engineering and Construction

### Contract details

#### Job description

Supporting WP5 of the project aimed at developing a hardware demonstration prototype for a sound processing system based on machine learning techniques, and accelerated by non-conventional computing systems. More specifically, the successful candidate will participate in the microelectronic design of the prototype.

Category: R2 - Doctor (PhD)

Qualification: PhD or equivalent

Field of research: Engineering

Subarea of research: Electronic Engineering

#### Contract type details

Type of contract: Fixed-term

Full/Part-time: Part-time

Hours per week: 15

Work schedule: 10:00-13:00

#### Application submission deadline

From Monday, December 05, 2022 until Tuesday, December 20, 2022

Planned start date: Monday, February 13, 2023

Planned end date of the tasks subject to the contract: Thursday, November 30, 2023

### Research project / Agreement



Type of activity: Project

Funding body: MINISTERI DE CIÈNCIA I INNOVACIO

Call: Projectes d'I+D per a la realització de proves de concepte - FONS PRTR

Programme: Projectes d'I+D per a la realització de proves de concepte

Reference number / Official code: PDC2021-121847-I00

Number of positions available: 1

## Candidate requirements

### Skills/Qualifications

Industrial Engineering, Electronic Engineering or related qualifications.

### Specific requirements

Knowledge and experience in digital design (VHDL, Verilog, etc.) and experience in microelectronic design (Cadence, Mentor Graphics, etc.)

### Language requirements

Spanish, Catalan and English

Experience required: -

### Prior experience

Preference will be given to candidates with experience in the microelectronic design sector and research

## Additional information

Monthly salary and benefits: 950,00 €

### Selection process

In accordance with article 8 of the REGULATORY AGREEMENT 145140 of 15th June 2022 that approves the regulation governing the recruitment of research staff under chapter 6 allocation of the university budget, as well as technical or operational research staff.

Candidate suitability will be assessed based on their submitted CV

Eligibility criteria:

- Curricular merits in the field (max. 40 points).
- Qualifications in the specialist area (max. 20 points), other (max. 5 points).
- Video curriculum and, if applicable, personal interview (max. 20 points).
- Experience in the field (max. 15 points). E.g.: > 3 years (10 points), < 3 years (5 points).
- Other merits (max. +5 points). E.g.: recommendation letters.

Eligibility threshold: 60 points

### Selection committee

- The relevant Pro-Vice-Chancellor for research (or delegated representative) as chair.
- The supervisor (or delegated representative).
- The members of the Research Area Assessment Committee (CARAI).
- One or more expert members in the topic pertaining to the recruitment and chosen by the chair of the committee,



where applicable.

v. The head of the FORHU (or delegated representative), as secretary, who may speak but not vote.

#### Additional comments

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