

CALL REQUIREMENTS

Call Title: Selection of research staff attached to the project “Development of new types of drones for industrial applications” (Researcher R1a)

Contact person: Dr José Manuel González / Dr Sergio Vélez

Department: JRU Drone Technology / Department of Architectural Constructions and Construction & Land Engineering

Category: Researcher

Others

Workday: Full time

Part time

Aim: To support the R&D project through (i) mechanical and structural UAV/drone design using 3D CAD software (e.g., SolidWorks, Fusion 360, CATIA or similar); (ii) prototyping and manufacturing of parts using 3D printing, machining and hybrid/additive processes; (iii) electronics integration and hardware assembly (motors, ESCs, batteries, sensors and payloads); (iv) design and implementation of guidance, control and communication systems for UAV platforms, including sensor data processing, SLAM and mission planning; (v) aerodynamic and structural optimization for sensor payload operations in forest environments; (vi) calibration, functional testing and flight trials in controlled environments and real field conditions; (vii) iterative prototype improvement (TRL) based on experimental results; and (viii) preparation of technical drawings, assembly manuals and engineering documentation, participation in development meetings and technical planning.

Requirements of the candidate: Bachelor's and/or Master's degree in Aerospace, Industrial, Electronics, Telecommunications, Industrial Design, Mechatronics, Robotics Engineering, or similar.

Duration: Until 30/10/2026

Gross monthly remuneration: €1,516 gross/month, 12 payments

Application submission deadline: 7 working days from the day after publication on the University's electronic notice board

Documents to be provided: Copy of valid ID document (DNI/NIE/passport), Updated CV (preferably CVN or Europass format), Copy of the required degree certificate(s), Official academic transcript/certificate, Any additional supporting documents proving merits/criteria in the call.