



6.1 Job Posting for Researcher at CTAG.

 **Centro Tecnológico de Automoción de Galicia:** Avenida Principal, 2, 36475 O Porriño, Pontevedra, Spain

Eligible sending organisations ●

AUTH, ULUS, JSI

Role title ●

Advanced Manufacturing, Industry 4.0 and Industry 5.0

Environment ●

During your secondment at CTAG, you will **work in real industrial spaces** where **robotics** and **digital technologies** are **used to improve how factories operate**. Depending on specific interest fields of the researcher and the specific projects running at CTAG (to be discussed during the interview), you may be exposed to:

- **Hyperflexible and sustainable manufacturing**, using tools such as **offline robot simulation, automation, logistics and computer vision**.
- **Smart factory technologies**, including **digital twins, big data and AI**.
- **Human-centred manufacturing**, working with collaborative robots and assistive technologies such as exoskeletons.
- Environments such as the **Booster Manufacturing Lab**, which includes a real production line with adjustable speed, industrial and collaborative robots, and computer vision systems, allowing you to experiment with manufacturing processes under pre-industrial conditions.

You will **work closely** with **CTAG engineers and researchers** in a **collaborative and supportive team**, gaining hands-on experience with industrial robotics in **environments that closely resemble real production plants**.



You can watch a short video of CTAG's facilities and working environment [here](#).

What you will work on ●

The secondee will work with CTAG's **Manufacturing and Digital Transformation Division**, **collaborating** closely with **engineering** and **robotics teams** to **contribute to the development and testing of robotic and automation solutions for manufacturing environments**.

Throughout the placement, the secondee will receive support from experienced team members and engage in a variety of tasks depending on current project needs, including simulation, offline programming, testing, and commissioning of robotic and automation solutions on industrial and collaborative robots in lab and pilot factory settings.

What you will gain ●

- Practical experience with **robotics** and **automation technologies** in real industrial and prototype manufacturing environments.
- Experience with advanced manufacturing concepts and digital transformation tools such as **simulation**, **AI**, and **collaborative robots**.
- Opportunity to **develop technical skills** and problem-solving abilities through hands-on work and close collaboration with experienced CTAG engineers and researchers.
- Insight into the application of **innovative solutions** that improve factory operations and support sustainable manufacturing.
- Access to **representative infrastructure**.
- Participation in **real applied projects**.

Desired profile ●

- Interest in **industrial robotics**, collaborative robots, and digital transformation technologies applied to manufacturing.
- Willingness to work hands-on with **simulation tools**, robot programming, and testing in lab environments.
- Motivation to learn about **human-centred manufacturing technologies**, including assistive devices like exoskeletons.
- Ability to collaborate effectively within **multidisciplinary teams** and adapt to evolving project needs.

Duration & Flexibility ●

Duration 3 months between May and October 2026

Can be split into separate stays of **at least 6 weeks each** (for example 2 x 6-8 weeks) upon agreement.



Please note that activity levels at CTAG are usually lower during the **second half of July** and **throughout August**. Dates and activities can be discussed with the secondee to ensure an appropriate workload during this period.