

**CALL REQUIREMENTS**

Call Title: Optimal Management of the Power-to-H2-to-Power Cycle in Real Time (OptiMaPH2P)

Contact person: Alejandro Merino Gómez

Department: Digitalization

Category:  Researcher

Others

Workday:  Full time

Part time

Aim:

- Initial study of the Power-to-H2-to-Power problem: Review of technologies (electrolysers, storage systems and H2 electrification), storage systems and H2 electrification).
- Sizing of a Power-to-H2-to-Power system
- Construction of a Power-to-H2-to-Power mathematical model.
- To define key performance indexes.
- Introduction to optimization.
- Stochastic optimization.
- Simulation, validation, and testing of the Power-to-H2-to-Power cycle.

Requirements of the candidate: Engineering/Science degree

Duration: Until 30/11/2024

Gross monthly remuneration: Depending on the R1 category:

R1a: 1436 €

R1b: 1538 €

R1c: 1922 €

Application submission deadline: 4 business days from the day following the publication of this call on the Electronic Bulletin Board of the University.

Documents to be provided:

- Identity document copy.
- Curriculum Vitae.
- Merits certificate.
- Copy of the master's degree requested in the call.
- Academic certificate of the required master's degree.