# Research Contract Opportunity at UC3M

**Background**:

The E.T.PACK Initiative, coordinated by UC3M, has been funded by the European Innovation Council (EIC) with the EIC Pathfinder E.T.PACK project (2019-2022, 3M€) and the EIC Transition E.T.PACK-F project (2022-2025) to develop a deorbit device based on bare electrodynamic tether technology. The device will be in-orbit demonstrated in 2025. Recently, the EIC granted the EIC Pathfinder E.T.COMPACT project to develop a more compact deorbit device based on a bare-photovoltaic tether. UC3M is open to receive CVs from potential candidates that would like to join the E.T.COMPACT team and work on the development of electrodynamic tether technology.

**Description of the offer**

Duration: 01/09/2024 - 31/08/2026 (+1.5 year renewable if objectives are accomplished).

Tentative Gross annual salary: 14 pays of 1.400 - 2.200 € (this range is not fixed. The salary can be negotiated depending on the qualification of the candidates)

**How to show interest**

Send the following documents to gonzalo.sanchez@uc3m.es by **April y 15th, 2022**

- Motivation Letter
- Short CV (maximum 4 pages)
- 1 recommendation letter.

**Specific tasks to be developed during the contract**

- Modelling of EDT system and software development.
- Mission analysis of deorbiting, active debris removal, space tugs, and in-orbit-servicing with electrodynamic tethers.
- Managerial tasks like preparation of Deliverables, agenda, and minutes preparation, etc.

**Skills/ Qualifications**

1. Desired skill/qualifications for Ms. candidates (to develop a PhD thesis at UC3M)
   - Bs. and Ms. in Aerospace Engineering or related areas.
   - Good marks and skills on physics and maths.
   - Excellent academic record.
   - International experience.
2. Desired skills/qualification for Postdoctoral Researchers
   - PhD on Aerospace Engineering or related areas
   - Experience on modelling, programming, mission analysis, dynamic and control.
   - Strong research record validated by publications in peer-review journals.
   - International experience and mobility.

**Specific Requirements**

- Excellent English speaking and writing skills.
- Team-building and team-working skills.
- Critical and innovative thinking, interdisciplinarity.