

PhD Position in Mechanical Engineering

Mechanical Characterization of Soft Polymeric Materials

Institution: Universidad Rey Juan Carlos (URJC), Spain

Research Group: Durability and Mechanical Integrity of Materials

Principal Investigator: Dr. Jesús Rodríguez Pérez (jesus.rodriguez.perez@urjc.es)

Research Topic

The PhD project focuses on the experimental mechanical characterization of soft polymeric materials under different loading modes, with special emphasis on fracture and fatigue behavior.

Requirements

- Master's degree in Engineering or a related discipline allowing access to PhD studies
- Solid background in mechanics of materials
- Competitive academic record
- English proficiency (minimum B2 level)
- Teamwork skills and strong experimental aptitude
- Spanish language skills are welcome but not required

Desirable Skills

- Previous experimental research experience
- Knowledge of polymer mechanics or nonlinear material behavior
- Experience with mechanical testing (fracture, fatigue, tension, compression)
- Data analysis and laboratory instrumentation handling

Contract Conditions

- Duration: 2 years and 10 months
- Start date: July 1 or September 1, 2026
- Gross salary: €1,700/month (12 payments per year)
- Workplace: Móstoles, Madrid (Spain)

Application

Applicants should send CV, academic transcripts, motivation letter and contact details to:

jesus.rodriguez.perez@urjc.es

Application deadline: **May 15, 2026**