



## F4E TRAINEE - Fusion for Energy Call for the Gagliardi Scholarship

Department	Domain/Activity area	Location	Duration	Nr of position(-s) available
FUTED	Mechanical Engineering	Barcelona	12 months	1

### Description of tasks

- Support activities related to material engineering, including analysis of material structures, properties, and treatments.
- Assist in engineering analyses using finite element methods (FEM), covering mechanical, thermal, thermo-mechanical, structural dynamics, and fluid dynamics aspects.
- Contribute to the analysis and application of standard and advanced manufacturing technologies, such as cutting, joining, forming, casting, machining, additive manufacturing, and 3D printing.
- Participate in dimensional testing and evaluation of manufacturing processes.
- Collaborate with Fusion for Energy teams in the development of fusion-related mechanical engineering solutions.
- Support research and technical activities contributing to the development of fusion energy technologies.

### Your qualifications

- Bachelor’s degree in Mechanical Engineering, Physics, Metallurgy, or another relevant engineering discipline.

### Competencies

- Ability to work effectively with others, building and maintaining good relationships and demonstrating willingness to learn from team members.
- Strong planning and organisational skills, with the ability to deliver work on time and add value to the team.
- Basic project management skills, including managing time, resources, and information effectively.
- Problem-solving mindset with the ability to think creatively and propose innovative solutions.
- Adaptability and openness to change, with a proactive approach to improving processes and outcomes.