

21/10/2019



RESEARCH TECHNICAL ASSISTANT code: 150-928-026



Where to apply

Application Deadline: 04/11/2019 13:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY

Universitat Politècnica de Catalunya (UPC)- BarcelonaTECH

WEBSITE

https://www.ctt.upc.edu/Concursos-PSR_117_134_ca.html

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY

Universitat Politècnica de Catalunya (UPC)-
BarcelonaTECH

COUNTRY

CITY

Barcelona

DEPARTMENT

Centre Tecnològic de la Transferència de
Calor

POSTAL CODE

08034

ORGANISATION TYPE

Higher Education Institute

STREET

C. Jordi Girona, 31

WEBSITE

<https://www.upc.edu/euresearch/en/research-vacancies>

E-MAIL

lourdes.moreno@upc.edu

ORGANISATION/COMPANY

Universitat Politècnica de Catalunya (UPC)-
BarcelonaTECH

LOCATION

Spain › Barcelona

RESEARCH FIELD

Engineering › Aerospace engineering
Engineering › Mechanical engineering

TYPE OF CONTRACT

Temporary

JOB STATUS

Part-time

RESEARCHER PROFILE

First Stage Researcher (R1)

HOURS PER WEEK

24

APPLICATION DEADLINE

04/11/2019 13:00 - Europe/Brussels

**EU RESEARCH FRAMEWORK
PROGRAMME**

H2020

Mission:

Design of a foreign object debris protection system for an aircraft external air intake.

Design of a foreign object debris separation system in an aircraft external air intake.

Functions:

Participate in the design process of a foreign object debris protection system, for an aircraft external air intake. From numerical and experimental data, and from previous experience in fluid dynamics, analyze the results, suggest new designs and evaluate their performance.

Participate in the design process of a foreign object debris separation system, for an aircraft external air intake. From numerical and experimental data, and from previous experience in fluid dynamics and multi-physics, analyze the results, suggest new designs and evaluate their performance.

Technical coordination of the design process among the project entities, and in agreement with the technical specifications given by the manufacturer of the protection and separation device

ADDITIONAL INFORMATION

Benefits

32.822,38€/anuals (per jornada completa)

Web site for additional job details

https://www.ctt.upc.edu/Concursos-PSR_117_134_ca.html

REQUIREMENTS

Required Research Experiences

RESEARCH FIELD

Engineering › Mechanical engineering

YEARS OF RESEARCH EXPERIENCE

1 - 4

RESEARCH FIELD

Engineering › Aerospace engineering

YEARS OF RESEARCH EXPERIENCE

1 - 4

Offer Requirements

REQUIRED EDUCATION LEVEL

Engineering: Bachelor Degree or equivalent

REQUIRED LANGUAGES

ENGLISH: Good

SPANISH: Good

Skills/Qualifications

Technical Skills:

Design in Fluid Mechanics field.

Mathematical analysis and numerical methods in Computational Fluid Dynamics.

Development and calibration of fluid-dynamic simulation models.

Development and calibration of multi-physics simulation models.

Organizational skills:

Experience in teamworking within Research Groups.

Specific Requirements

Required Education:

Mechanical engineering.

Fluid dynamics.

Numerical methods.

Mathematical analysis.

Required Research Experiences:

Participation in research projects at national/international level in the mechanical-fluids engineering field.

Development, use and results analysis in Computational Fluid Dynamics.

Map Information



Job Work Location



Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
 Universitat Politècnica de
 Catalunya
 Spain
 Barcelona

Open, Transparent, Merit based Recruitment procedures of Researchers (OTM-R)

Know more about it at Universitat Politècnica de Catalunya (UPC)- BarcelonaTECH [↗](#)

Know more about OTM-R

EURAXESS offer ID: 456551

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