



2018-IPR-E-000-9965

Practical training on experimental methods

Position for:

Trainee

As the science and knowledge service of the Commission, the mission of Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.

The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <http://www.jrc.ec.europa.eu>

Short description of activity:

The Trainee will support the European Laboratory for Structural Assessment (ELSA) where he/she will be integrated in a team dealing with the experimental earthquake testing of civil engineering structures.

The objective of the traineeship is to expose the trainee to the experimental techniques he/she might exploit or use in his/her professional career and/or to the use of results from experiments for addressing technical problems.

The trainee will learn about the testing methods which are used at ELSA and will actively assist, by means of the necessary numerical simulations, in the interpretation of the results of a complex series of tests performed on precast concrete structures. The trainee will prepare a short report at the end of his/her stay.

Qualifications:

Essential:

- University degree in Civil or Structural Engineering.
- Good knowledge of English, demonstrated by certificate or previous written production, and team working.

	<ul style="list-style-type: none"> • Mastery of numerical techniques for nonlinear dynamics. Courses on earthquake engineering, design of structures and numerical methods should be demonstrated. • Motivation and realistic plans on how to exploit the acquired knowledge in his/her future career. <p><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></p> <p>https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</p>
Unit /Directorate	<p>E – Space, Security and Migration E.4 – Safety and Security of Buildings 437 SAFE&CLEAN Construction</p> <p>Further information: http://elsa.jrc.ec.europa.eu</p>
Indicative duration	5 months
Preferred starting date	As soon as possible
JRC Site	Ispra
Country	Italy
<u>JRC contact details</u>	<p>For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>