



2016-IPR-G-000-6694

**Implication of energy efficiency requirements on building design**

<p><b>Position for:</b></p> <p>Trainee</p>	<p><b><u>Short description of activity:</u></b></p> <p>The Trainee will be part of the European Laboratory for Structural Assessment (ELSA) Unit where he/she will be integrated in a team dealing with the implications of sustainability and energy efficiency requirements on building design and retrofit.</p> <p>The objective of the traineeship is to expose the trainee to the on-going research activities and to the current trends in the European standardization process.</p> <p>The trainee will assist in defining a possible methodology to optimize building design in terms of structural performance for sustainability and energy efficiency.</p> <p><b><u>Qualifications:</u></b></p> <p><b><u>Essential:</u></b></p> <p>The ideal candidate should have a University degree in Architecture or Building Engineering, be enrolled in a post-graduate course on Architecture or Building Engineering and be in the process of writing his/her thesis. Good knowledge of Structural Design including Earthquake Engineering, Life Cycle Analysis and Energy Management for Buildings is required. Good command of oral and written English (level B2).</p> <p><b><u>Advantage:</u></b></p> <p>Experience in the use of computer codes for Life Cycle Analysis (e.g., Simapro). Motivation and realistic plans on how to exploit the acquired knowledge in his/her career and team working spirit.</p> <p><b><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></b></p>
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<b>Institute/Directorate Unit</b>	IPSC G.04/ ELSA SAFECONSTRUCT  Further information: <a href="http://elsa.jrc.ec.europa.eu/">http://elsa.jrc.ec.europa.eu/</a>
<b>Indicative duration</b>  <b>Preferred starting date</b>	5 months  as soon as possible
<b>JRC Site</b>  <b>Country</b>	Ispra  Italy
<b><u>JRC contact details</u></b>	<b>For any technical problems with your application, please contact:</b> <a href="mailto:JRC-ESRA@ec.europa.eu">JRC-ESRA@ec.europa.eu</a>