



2019-IPR-E4-FGIV-012010

FG IV – S/T project Officer - Integrated techniques for the seismic strengthening and energy efficiency of existing buildings: safety, sustainability and energy efficiency of buildings and infrastructure

<p>Position for:</p> <p>FG IV – Scientific/Technical project Officer</p>	<p>As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: https://ec.europa.eu/jrc/</p> <p>The current vacancy is in the Directorate for Space, Security and Migration (located in Ispra, Italy). The Directorate serves the Foreign and Security, Humanitarian Aid and Civil Protection, Human Rights, Justice and Home, and Institutional Affairs policy areas including the perspective of the emerging Digital Single Market.</p> <p>The job we propose is in the Safety and Security of Buildings Unit within a team of experimentalists and numerical modellers who provides reference results relevant to the European standardization in the building and construction sectors.</p> <p>The jobholder will work for the Pilot project '<i>Integrated techniques for the seismic strengthening and energy efficiency of existing buildings</i>' which will identify existing technological options for seismic and energy upgrading as well as the typologies of buildings most needing upgrading. The technological options for combining the seismic safety and energy performance of the existing vulnerable (i.e. concrete and masonry) building stock will be reviewed and assessed.</p> <p>In addition, the great potential offered by novel technologies and materials being currently proposed (or being under development) for the seismic and energy retrofitting will be analysed and the combined upgrading of existing buildings will be explored.</p> <p>The main tasks of the job will include:</p> <ul style="list-style-type: none">• Perform state-of-the-art reviews on technology options for the seismic and energy retrofitting of the existing building stock.• Perform seismic and/or energy simulations for buildings in both their as-built and retrofitted states.• Perform data analysis and write technical and policy reports.• Write scientific publications.• Collaborate with other experts contributing to the project. <p>In addition to the duties for achieving the scientific elements of the project, a significant part of the job involves the contribution to the overall project management, coordination among the different contributions and organizational tasks.</p> <p>Qualifications:</p> <p>The ideal candidate must have a level of education corresponding to completed university studies in civil/structural engineering of at least three (3) years</p>
--	---

	<p>attested by a diploma AND at least five (5) years of professional experience OR a doctoral diploma in fields related to structural engineering or earthquake engineering. Good command of English (B2), both oral and written is required.</p> <p>The following elements will be considered as an advantage:</p> <ul style="list-style-type: none"> - Previous research or professional experience relevant to the topic of the call (i.e. seismic retrofitting of existing buildings, energy retrofitting, building engineering physics). - Good record of scientific publications relevant to the call. - Experience in managing research projects.
Directorate Unit	<p>Space, Security and Migration Safety and Sustainability of Buildings</p> <p>Further information: https://ec.europa.eu/jrc/</p>
Indicative duration	24 months
JRC Site Country	<p>Ispira</p> <p>Italy</p>
Rules and eligibility	<p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff.</p> <p>If you are not in any valid EPSO reserve list for Function Group IV contract staff, you can still apply by following these steps.</p> <p>You express your interest by applying to the CAST Permanent or to the permanent JRC Call for researchers.</p> <p>1. CAST Permanent: open-ended selection procedure to create a pool of candidates from which the institutions, bodies, offices and agencies of the European Union (EU) can recruit contract agents. https://epso.europa.eu/documents/2240_en</p> <p>2. JRC Call COM/1/2015/GFIV – Research: open-ended selection procedure to create a pool of candidates from which mainly the JRC can recruit contract agents FGIV as researchers. Details available at the link below: https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers</p> <p>Only then you can apply for this specific position, through http://recruitment.jrc.ec.europa.eu/?type=AX</p> <p>Auxiliary contract staff: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</p> <p>Article 3b of the Conditions of Employment of Other Servants of the European Union applies: the actual period of employment within the Commission under this type of contract, including any period under renewal, shall not exceed 6 years.</p> <p><i>Please note that in case a high number of applications is received only shortlisted candidates will be contacted.</i></p>