



Call for the assignment No. 2 for a Research Fellowship (ESR7) at the Faculty of Civil and Geodetic Engineering, University of Ljubljana

Art. 1 – Description

A selection process based on qualifications and possible interviews has been called for 1 Research Fellowship at the Institute of Structural Engineering, Earthquake Engineering and Construction IT, within the project H2020-MSCA-ITN-2016 XP-RESILIENCE, GA n. 721816:

Head of Research (Supervisor): Prof. Matjaž Dolšek

Research title:

Evaluation of fragility curves of components/systems and risk-based requirements analysis for software tool development of petrochemical plants

Research objective:

Development of procedure for evaluation of fragility curves of components/systems (support structures, piping systems, tanks, pressure vessels, etc.) of petrochemical plants. The focus will be given on seismic fragility analysis. The method for fragility analysis will be primarily based on dynamic analysis with an emphasis on the applicability of the proposed method in practical applications.

Gross amount of Research Fellowship per month (in addition to coverage of study and research activities):

The gross amount consists of:

- living allowance: 2.301,62 €,
- mobility allowance: 515,73 €,
- possible family allowance (429,77 €) based on the candidate's familiar status according to the rules of H2020-MSCA-ITN-2016.

Accommodation:

- possibility to stay at the Dormitory for postgraduate students (<http://www.stud-dom-lj.si/en/residence-halls/locations/dom-podiplomcev-ljubljana>).

Duration of Contract:

36 months, approximately from April 2017 (not later than June 2017).

Art. 2 – Requirements

To apply to the call, the following requirements are mandatory:

- a) The candidate must have a Master Degree in Civil Engineering (or a degree of second cycle study programmes or equivalent study programmes according to the conditions prescribed in Art.2b). Only excellent students will be accepted in the selection process. The acceptance criterion is based on the minimum average grade of exams which is set to 80% of the maximum grade. The average grade can be less than 80% of the maximum grade if the candidate is the co-author of one research article published (or accepted for publication) in an international scientific journal or the first author of an article published (or accepted for publication) at an international scientific conference. The topic of the article should be similar to the research objective of this call.
- b) The candidate, if selected, must enrol in the Doctoral Study Programme Built Environment in October 2017 (<https://www.en.fgg.uni-lj.si/study/3rd-cycle-study-programmes/built-environment-phd/>). Conditions for the enrolment in the Doctoral Programme have to be fulfilled by the beginning of April 2017. Conditions are described in the following document: https://www.en.fgg.uni-lj.si/wp-content/uploads/2016/12/Information_booklet_BE_PhD_2016-2017.pdf (see Section 6).
- c) Non EU citizens (or citizens residing in countries with special treaties with EU) are required to hold the certificate of the single residence and work permit valid for the entire duration of the fellowship.
- d) A professional-scientific CV relevant to the research programme described in Art. 1. The candidate should use the Europass template for the CV.
- e) A recommendation letter prepared by an internationally recognized expert/professor in the field of civil, structural or earthquake engineering.
- f) Excellent knowledge (written and oral) of the English language.
- g) Career Stage Requirements: The candidate must, at the time of recruitment by the host organisation, be in the first four years (full-time equivalent research experience) of their research careers and not yet have been awarded a doctoral degree. Full-time equivalent research experience is measured from the date when they obtained the degree which formally entitles them to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a doctorate was envisaged.
- h) Mobility Requirement: Due to trans-national mobility requirements, the candidate must not have resided or carried out their main activity (work, studies, etc.) in the country of their host organisation for more than 12 months in the 3 years immediately prior to the reference date. Compulsory national service and/or short stays such as holidays are not taken into account.

Art. 3 - The application form

All data in the application form are provided under the candidate's own responsibility. The application form consists of:

- a) Personal data: given and family name, date and place of birth, nationality, residence, contact address for the selection procedure (including the postal code, email and telephone number, if possible) and a copy of candidate's ID card or other form of identification.
- b) Professional-scientific CV in the Europass format demonstrating the candidate's skills and ability to conduct the research programme described in Art. 1 of this Selection Call. The CV must be dated and signed by the candidate.
- c) A recommendation letter prepared by internationally recognized expert/professor in the field of civil, structural or earthquake engineering.
- d) A short description of methods and tools for achieving the research objective given in Art. 1 and the description of the PhD Thesis (e.g. list of chapter titles) which will address the research topics. The limitation is 5000 characters with spaces.

- e) An ECTS certified diploma degree, which is necessary to fulfil the requirement given in Art. 2, and the transcript of records or diploma supplement. The transcript of records should clearly include the grade of each exam passed by the candidate.
- f) A publication list, where the candidate is author or co-author, and any additional certificate or qualification that helps to demonstrate their merit. The list of qualifications and publications must be signed by the candidate. If possible, the candidate should provide an electronic copy of the publications.
- g) A declaration to fulfil all the requirements indicated in Art. 2 of this Selection Call and to be aware of all the foreseen limitations.

The submission should be sent electronically to the following address: romana.hudin@fgg.uni-lj.si. If the size of the files attached to the email exceeds 20MB, the additional attachment should be sent by separate emails. The number and the name of the attached files should be declared in the text of the email.

The call is open at the Faculty's website (www.en.fgg.uni-lj.si/) from the 25th of January 2017. The deadline for the submission is the 10th of March 2017.

The Administration Department is excluded of any responsibility in case of information dispersion due to inaccurate details given by the candidate, or due to the lack or late communication of any changes on these details.

Art. 4 - Selection board and selection procedure

The Selection Board is appointed by the Vice-Dean for Research and International Activities and consists of at least of 2 members chosen from the list of staff of the Faculty of Civil and Geodetic Engineering, University of Ljubljana.

The selection is based on qualifications and possible interviews.

The assessment criteria are predefined by the Selection Board.

The selection process is intended to assess the candidate's knowledge, experience and predisposition with regard to the research programme. In the first round the selection process is based on:

- The assessment of the professional-scientific CV.
- The assessment of the recommendation letter.
- The assessment of the application form described in Art. 3d.
- The assessment of the grades of exams passed by the candidate (Art. 3e). 6 and 10 points will be assigned, respectively, to the lowest and the highest positive grade of the grading system of the Faculty attended by the candidate. Each exam has one grade. The requirements for the qualification process are described in Art. 2a. If the positive grades of the Faculty grading system are not in the interval from 6 to 10, the candidate has to recalculate the grades using a linear transformation.
- The assessment of the publications where the candidate is author or co-author (Art. 3f).

Up to six candidates with the highest qualifications may be invited to do a "Skype" interview. Up to three candidates, who will be qualified in the Skype interview, may be invited to an in-person interview. All candidates will be invited by email to the interview. Not attending the interview will be considered as renunciation to the selection procedure. The sum of grades from the assessment of the application form (first round) and interviews (second round) define the final grade. The maximum grade from the assessment of the application form is 50. The maximum grade from interviews is 50.

At the end of the qualification assessment procedure, the Selection Board may decide to finalize the ranked list based on the qualification assessment scores (without interviews).

The Selection Board will prepare official minutes regarding of steps of the selection process. The judgement of the Selection Board is final and not subject to appeal.

Art. 5 - Assignment of the Research Fellowship

The Vice-Dean for Research and International Activities will approve the selection process and the nomination of the top candidate. The top candidate will receive a written communication regarding the Research Fellowship.

Together with the signed contract, the winner must present:

- A VAT Identification Number and a Personal Identification Number issued by the administrative unit of the Republic of Slovenia,
- A copy of the single residence and work permit for non-EU citizen.

If the top candidate does not accept the fellowship prior to the start date, the second top candidate will be offered the position.

Fellowship payments will be made on monthly basis (deferred).

Art. 6 - Duties of the Research Fellowship holder

The fellowship holder must carry out the commitments foreseen by the contract and by the Regulations of Republic of Slovenia.

The duties of the fellowship holder specified in the contract should be performed under the supervision of the Head of Research (Supervisor), who will monitor the conducted activity. The assigned tasks must focus on a specific research project.

The fellowship holder must submit to the Head of Research a final research report that includes the obtained results. The report must be approved by the Head of Research until the deadline prescribed within the project XP RESILIENCE. The fellowship holder has to fulfil all obligations of the Doctoral Programme, except defence of PhD Thesis.

The contract must be signed by both parties before the date of commencement of activities, otherwise the contract is NOT effective and the work will not be recognised and rewarded.

Art. 7 - Personal Data

The personal data provided by the candidates will be exclusively used for the purpose of this Selection Call and will be treated in compliance with all relevant privacy laws, including with the Regulation on the protection of personal and confidential information at the University of Ljubljana.