

**Opis delovnega mesta mladega raziskovalca/ke** (*Description of the Young Researcher's position*)

1. Članica UL (*UL member*):

Fakulteta za gradbeništvo in geodezijo / Faculty of Civil and Geodetic Engineering

2. Ime, priimek in elektronski naslov mentorja/ice (*Mentor's name, surname and email*):

Matjaž Dolšek, matjaz.dolsek@fgg.uni-lj.si

3. Raziskovalno področje (*Research field*):

Gradbeništvo / Civil Engineering

4. Opis delovnega mesta mladega raziskovalca/ke (*Description of the Young Researcher's position*):

Vključuje morebitne dodatne pogoje, ki jih mora izpolnjevati kandidat/ka za mladega raziskovalca/ko, ki niso navedeni v razpisu za mlade raziskovalce.

*slo:*

Delovno mesto mladega raziskovalca oz. mlade raziskovalke na področju gradbeništva/potresnega inženirstva vključuje interdisciplinarni pristop k raziskovanju, kar je v skladu z nedavno sprejeto resolucijo o krepitvi potresne varnosti do leta 2050. Glavni cilj je pripraviti družbo na bodoče potrese in zaščititi ljudi ter grajeno okolje, ob upoštevanju raznolikosti obstoječega stavbnega fonda in hitrega razvoja novih konstrukcijskih sistemov in materialov.

Mladi raziskovalec se bo usposabljal na doktorskem študiju Grajeno okolje na Fakulteti za gradbeništvo in geodezijo, Univerza v Ljubljani, z možnostjo izpopolnjevanja na uglednih institucijah po svetu. Tema doktorske disertacije mladega raziskovalca bo usklajena z raziskavami programske skupine Potresno inženirstvo (P2-0185), ki sodeluje v mednarodnih projektih in združenjih, kar bo zagotavljalo, da bodo raziskave aktualne in usklajene z raziskavami po svetu.

Raziskave mladega raziskovalca bodo usmerjene v eno izmed naslednjih tem: izboljšanje postopkov projektiranja novih objektov ali potresne utrditve obstoječih objektov, prispevanje k razvoju novega standarda za potresno odporno projektiranje konstrukcij Evrokod 8, razvoj postopkov za krepitev potresne varnosti v družbi, načrtovanje življenjske dobe objektov in s tem povezano projektno potresno obtežbo ter druge relevantne teme, ki so povezane s področjem krepitve potresne odpornosti družbe.

Kandidat mora izpolnjevati vse kriterije iz razpisa. Zaželeno je magistrska izobrazba s področja gradbeništva, ni pa nujna, ter izkazan interes za raziskovanje s področja potresnega inženirstva, gradbeništva ali drugih ved, ki jih povezuje potresno inženirstvo. Dodatne informacije lahko dobite na naslovu mdolsek@fgg.uni-lj.si.

*eng:*

The position of a young researcher in the field of civil engineering/earthquake engineering involves an interdisciplinary approach to research, aligning with the recently adopted resolution on strengthening earthquake safety by 2050. The primary goal is to prepare society for future earthquakes and protect people and built environments, considering the diversity of existing building stock and rapid development in new construction technology and materials.

The young researcher will undergo training within the doctoral program Built Environment at the Faculty of Civil and Geodetic Engineering, University of Ljubljana, with opportunities for further development at prestigious institutions worldwide. The topic of the young researcher's doctoral dissertation will be coordinated with the research conducted by the Earthquake Engineering research program (P2-0185), engaged in international projects and associations, ensuring that the research remains current and aligned with global efforts.

The research of the young researcher will focus on one of the following topics: improving procedures for designing new structures or retrofitting existing ones for seismic resilience, contributing to the development of new standards for the earthquake-resistant design of structure Eurocode 8, developing procedures to enhance seismic safety within society, designing the lifespan of structures and its associated design seismic actions, and other relevant topics related to strengthening societal earthquake resilience.

Candidates must meet all the criteria outlined in the call for applications. While a master's degree in civil engineering is preferred, it is not mandatory, provided the candidate demonstrates a keen interest in research related to seismic engineering, civil engineering, or related disciplines. For further information, please contact [mdolsek@fgg.uni-lj.si](mailto:mdolsek@fgg.uni-lj.si).