Opis raziskovalnega dela *(Research work description)*

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*):

doc. dr. Robert Klinc, robert.klinc@fgg.uni-lj.si

3. Raziskovalno področje (*Research field*):

Računalniško integrirana graditev objektov / Operativno gradbeništvo (Computer integrated construction/ Construction management)

4. Opis raziskovalnega dela (*Research work description*):
Vključuje morebitne dodatne pogoje, ki jih mora izpolnjevati kandidat/ka za mladega raziskovalca/ko, ki niso navedeni v razpisu za mlade raziskovalce (*It includes any additional conditions that the candidate for a young researcher must meet, which are not listed in the call to tender for young researchers.*).

Slov.:

Mladi raziskovalec/-ka (MR) se bo usposabljal v okviru raziskovalnega programa E-Gradbeništvo ter Katedre za operativno gradbeništvo. Raziskovalna skupina razvija znanja na področju informacijskih in komunikacijskih tehnologij v gradbeništvu, informacijskega modeliranja, numeričnega modeliranja, komunikacijske in procesne infrastrukture, velikih jezikovnih modelov in tehnologij umetne inteligence, vodenja projektov, organizacije, tehnologije in ekonomike grajenja ter problemov prenosa znanja, vse s ciljem prispevati k bolj uspešnim procesom v grajenem okolju. Multidisciplinarnost skupine zagotavlja trdne temelje za raziskovalno delo mladega raziskovalca/-ke, ki se bo (tudi v skladu s svojimi interesi) vključil/-a v raziskave s področij Gradbeništva 4.0 in 5.0, sodobnih metod spremljave in vodenja projektov, upravljanja s sredstvi, digitalnih dvojčkov, gradbeniških platform in podobno.

Mentor in raziskovalna skupina nudita odlične delovne pogoje za študij in raziskovalno delo. Pričakovani profil MR je strokovna izobrazba na področju inženirskih znanosti ali naravoslovja. Kandidat/-ka bo potrebno osnovno znanje pridobil/a v okviru doktorskega študija, s študijem objav raziskovalne skupine, preteklih projektov, spremljanjem razvoja informacijsko-komunikacijskih tehnologij ter aktivnim vključevanjem v mednarodne raziskave.

Od kandidata/-ke se pričakuje odgovornost in samoiniciativnost, odprtost za delo v skupini, veselje za delo z informacijsko-komunikacijskimi tehnologijami ter aktivno znanje angleškega jezika.

Obvezna rezultata MR sta opravljen doktorat in objava vsaj enega ali več z njim povezanih člankov v reviji s primernim faktorjem vpliva. Pričakovane so tudi različne objave ter udeležba na strokovnih in znanstvenih domačih in mednarodnih kongresih.

Eng.:

The young researcher (MR) will be trained within the E-Construction research programme and the Chair of Construction Management. The research group develops knowledge in information and communication technologies in construction, information modelling, numerical modelling, communication and process

infrastructure, large language models and artificial intelligence technologies, project management, organisation, construction technology and economics, and knowledge transfer, all aimed at contributing to more successful processes in the built environment. The multidisciplinary nature of the group provides a solid foundation for the research work of young researchers, who will be involved (according to their interests) in research in the fields of Construction 4.0 and 5.0, modern methods of project monitoring and management, resource management, digital twins, construction platforms, and related areas.

The mentor and research group offer excellent conditions for study and research. The expected profile of the MR is a professional education in engineering or natural sciences. The candidate will acquire the necessary basic knowledge through doctoral studies, by studying the research group's publications and past projects, by following developments in information and communication technologies, and by actively participating in international research.

Candidates are expected to be responsible and proactive, open to teamwork, enthusiastic about working with information and communication technologies, and have an active knowledge of English.

The mandatory requirements for MR are a completed doctorate and the publication of at least one related article in a journal with an appropriate impact factor. Various publications and participation in professional and scientific domestic and international conferences are also expected.

5. Priloge, ki jih je treba priložiti ob prijavi *(Documents required to be submitted with the application)*:

⊠ **potrdilo o doseženi izobrazbi** *(proof of completed education)*

– kandidat z zaključenim magistrskim študijskim programom (2. bolonjska stopnja)
(candidate who has completed a Master's degree (2nd Bologna level)):

- o diplomska listina / potrdilo o zaključku študijskega programa
(diploma certificate / certificate of completion of the study programme)

- o priloga k diplomi / potrdilo o opravljenih obveznostih
(diploma supplement / official transcript of records containing all grades obtained in the study programme)

– kandidat, ki še ni zaključil študija na 2. stopnji
(candidate who has not yet completed a Master's degree):

- o potrdilo o do sedaj opravljenih obveznostih z ocenami magistrskega študijskega programa, s katerim se bo kandidat prijavil na doktorski študij
(official transcript of records listing all courses and grades obtained so far in the Master's degree programme on the basis of which the candidate will apply for enrollment in a doctoral degree programme.)

☐ **nagrade** – univerzitetna Prešernova nagrada ali Prešernova nagrada članice Univerze v Ljubljani oz. druga enakovredna nagrada *(awards, e.g. Prešeren Prize of the University of Ljubljana, Prešeren Prize of a University of Ljubljana member and/or another equivalent award))*

⊠ **bibliografija** *(bibliography)*

⊠ **življenjepis** *(CV)*

⊠ **motivacijsko pismo** *(motivation letter)*

⊠ **opis dosedanjega sodelovanja pri raziskovalnem delu** *(description of the candidate's research work)*

☐ **osnutek idejne zasnove raziskovalnega dela** *(preliminary research proposal)*

☐ **priporočilno pismo** *(letter of recommendation)*

☐ **druge priloge** *(other attachments):*