

Opis raziskovalnega dela (Research work description)

1. Članica UL (UL member):

Fakulteta za pomorstvo in promet
Faculty of Maritime Studies and Transport

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

Prof. dr. Elen Twrdy, elen.twrdy@fpp.uni-lj.si
Prof. Elen Twrdy, PhD elen.twrdy@fpp.uni-lj.si

3. Raziskovalno področje (Research field):

Prometna tehnika in tehnologija, Prometni sistemi, Transportna logistika
Transport Technology, Transport Engineering, Transport Systems, Transport Logistics

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.: V okviru programske skupine ARIS "Modeliranje in simulacije v pomorstvu in prometu" (P2-0394) razpisujemo delovno mesto mladega raziskovalca. Raziskovalno delo bo osredotočeno na analizo in optimizacijo delovanja sodobnih prometnih sistemov s poudarkom na trajnostnem razvoju in zelenem prehodu, zlasti v pristaniščih in na terminalih.

Naloge in odgovornosti:

- Vpis na doktorski študij
- Sodelovanje pri raziskovalnih projektih programske skupine.
- Razvoj in uporaba simulacijskih modelov za optimizacijo prometnih sistemov.
- Objava znanstvenih člankov v mednarodnih revijah.
- Aktivno sodelovanje na akademskih konferencah in delavnicah.
- Razvoj inovativnih rešitev za izboljšanje prometnih sistemov.

Prednost pri izbiri bodo imeli kandidati, ki:

- so zaključili magistrski študij s področja prometa, logistike, prometnega inženirstva, gradbeništva, strojništva ali druge tehnične smeri;
- izkazujejo motivacijo za raziskovalno delo in nadaljevanje študija;
- izkazujejo znanje programiranja in uporabe simulacijskih orodij je prednost;
- izkazujejo odlične analitične in komunikacijske spretnosti in
- aktivno znajo angleški jezik.

Ponujamo:

- Zaposlitev za določen čas v skladu s pravili financiranja mladih raziskovalcev.
- Sodelovanje v raziskovalnih projektih.
- Možnost objavljanja v uglednih znanstvenih revijah.
- Aktivno sodelovanje v mednarodni raziskovalni skupnosti.

Eng.: As part of the ARIS program group "Modeling and Simulations in Maritime and Transport" (P2-0394), we are inviting applications for a young researcher. The research work will focus on the analysis and optimization of modern transport systems, with an emphasis on sustainable development and green transition, especially in ports and terminals.

Tasks and Responsibilities:

- Enrollment in a doctoral program.
- Participation in research projects of the program group.

- Development and application of simulation models for the optimization of transport systems.
- Publication of scientific articles in international journals.
- Active participation in scientific conferences and workshops.
- Development of innovative solutions to improve transportation systems.

Preference will be given to candidates who:

- have a Master's degree in transport, logistics, transport engineering, civil engineering, mechanical engineering or another technical discipline;
- are motivated to pursue research and further studies;
- demonstrate knowledge of programming and the use of simulation tools is an advantage;
- demonstrate excellent analytical and communication skills; and
- have an active knowledge of English.

Translated with DeepL.com (free version)

We offer:

- A fixed-term employment in accordance with the rules for the funding of young researchers.
- Participation in research projects.
- The opportunity to publish in reputable scientific journals.
- Active participation in the international research community.

5. Priloge, ki jih kandidat priloži k prijavi (Documents that the candidate submits with the application):

☒ **diplomska listina/potrdilo o zaključku študijskega programa** (diploma certificate for study programme, with which the candidate has enrolled/ will enroll in a doctoral degree programme)

☒ **priloga k diplomi/ potrdilo o opravljenih obveznostih** (official transcript of all the grades for study programme, with which the candidate has enrolled/will enroll in a doctoral degree programme)

☒ **potrdilo o do sedaj opravljenih obveznostih z ocenami študijskega programa, s katerim se bo kandidat prijavil na študij** (official transcript of all the grades the candidate has received so far for the study programme, with which the candidate will enroll to a doctoral degree programme)

☐ **nagrade** (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)