

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

1. Članica UL (*UL member*):

Ekonomska fakulteta

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

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3. Raziskovalno področje (*Research field*):

Ekonomija (Economics)

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:

Načrtovano raziskovanje mladega raziskovalca sodi na področje ekonomije, zato bo izbrani kandidat v študijskem letu 2023/2024 pričel usposabljanje z vpisom na Doktorski program ekonomskih in poslovnih ved Ekonomske fakultete Univerze v Ljubljani, kjer bo pridobil ustrezna znanja s področja mikroekonomije in makroekonomije na višji ravni zahtevnosti ter naprednih statističnih in ekonometričnih metod.

Raziskovalno bo deloval v okviru raziskovalnega programa ARRS »Trajnostna konkurenčnost slovenskega gospodarstva v evropskem in globalnem okviru« (P5-0117). Ožje kandidatovo področje proučevanja bo energetske učinkovite obnašanje gospodinjstev, ki sodi na področje ekonomike energetike, na katerega se navezujejo tudi najpomembnejši cilji EU z vidika trajnostnega razvoja in zelenega prehoda.

Predhodne študije ugotavljajo, da je v rezidenčnem sektorju prisoten pomemben potencial za stroškovno-účinkovite investicije v zmanjšanje porabe energije, ki večinoma ostaja neizkoriščen, zato v akademski literaturi govorimo o tako imenovani *vrzeli v energetske učinkovitosti*. Za premostitev ugotovljene vrzeli in oblikovanje ustreznih ukrepov ekonomske politike je tako izjemno pomembno poznavanje obnašanja posameznikov pri porabi energije. Poudarek raziskave bo zlasti na proučevanju vloge informiranja ter finančne, energetske in digitalne pismenosti na investicijske odločitve gospodinjstev, pri čemer se bomo osredotočili na investicije v pametni dom, obnovljive vire energije, ogrevalne sisteme in električna vozila. Pri tem bodo uporabljene ekonometrične metode diskretne izbire. Kot možnost nadaljnjega raziskovanja se odpira tudi primerjalna analiza energetske učinkovitosti rezidenčnega sektorja držav članic EU in pridruženih kandidatka z namenom presoje učinkovitosti vpeljanih ukrepov za zmanjšanje porabe energije v posameznih državah. Modeli povpraševanja po energiji bodo pri tem ocenjeni z uporabo metod stohastične meje (SFA).

Metodološko bo raziskovalno delo zahtevalo uporabo statističnih in ekonometričnih metod. Od

kandidata se pričakuje tudi tekoče znanje angleškega jezika. Ker področje ekonomike energetike in ožje energetske učinkovitosti ponuja številna odprta raziskovalna vprašanja, je mogoče nabor raziskovalnih vprašanj razširiti oziroma prilagoditi z upoštevanjem kandidatovih predlogov in zanimanj.

eng:

The planned research area of the young researcher belongs to the economic discipline. Therefore, it is envisaged that in the study year 2023/2024 the young researcher will enrol in the Doctoral Programme in Economics and Business at the School of Economics and Business, University of Ljubljana, where he or she would acquire the required knowledge in microeconomics and macroeconomics as well as statistics and econometrics at an advanced level.

The young researcher will be a member of the research programme »*Sustainable competitiveness of the Slovenian economy in European and global perspectives*« (P5-0117), sponsored by the ARRS (Research Agency of the Republic of Slovenia). The candidate's research focus will be on the energy-efficient behaviour of households, which belongs to the field of energy economics, where the EU has set the most important goals with respect to sustainable development and green transition.

Previous studies have established a significant potential for cost-effective investments in the reduction of energy consumption in the residential sector. This potential, however, remains mostly unused, which is by the academic literature referred as the energy-efficiency gap. In order to bridge the identified gap and propose appropriate policy measures, it is extremely important to understand the behaviour of individuals when it comes to energy consumption. The focus of the proposed research will be on studying the role of informative measures and financial, energy and digital literacy on the investment decisions of households, with the emphasis on investments in smart homes, renewable energy sources, heating systems and electric vehicles. Discrete choice econometric methods will be used to estimate the models. Research can also be extended to include a comparative analysis of energy efficiency of the residential sector in the EU member states and associated candidates for membership, with the aim of assessing the effectiveness of the energy-efficiency measures introduced to reduce energy consumption in individual countries. Stochastic frontier analysis (SFA) will be employed to estimate energy demand models.

Research methods required for scientific research work include statistical and econometric methods. Fluency in English is also required. Taking into account the wide area of topics in energy economics and more specifically energy efficiency, the young researcher's investigation could be extended or adapted in line with the candidate's suggestions and interests.