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Project Code: 72858

Thessaloniki, 20-10-2022
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TO BE PUBLISHED ONLINE

CALL FOR EXPRESSION OF INTEREST

(For submission of proposals for the conclusion of a project lease contract)

The Research Committee (Special Account for Research Funds) of Aristotle University of Thessaloniki (ELKE AUTH), in the framework of the project "URBANOME", HORIZON 2020, with Academic Head, Prof. Panagiotis Bamidis invites candidates to submit proposals for 2 (*two*) positions as described below, through the award of a project contract, starting from the signing of the contract until 31/12/2024 and with a total anticipated remuneration 87.000 € € (VAT and taxes included).

Contracts can be extended until the end date of the project 28/02/2025 (in case of extension until its completion) and within the approved limits of its budget.

Post-doctoral researcher in Informatics – Relevant to the development of Artificial Intelligence applications / until 31-12-2024 / up to 52.000,00 €

Project Description

The person selected will be active in the following field under the guidance, supervision and control of the Principal Investigator and as a member of the project team. It will contribute to the following research work:

- Data analysis and contribution to the establishment of a methodological framework for comprehensive evaluation of the efficacy of policies aiming at increasing health and wellbeing
- Data analysis for the development of a multi-objective participatory optimization methodology encompassing high dimensional data fusion and refined tools for environmental and health impact assessment.
 - Development of data analytics and simulation tools for deep learning analysis on multifaceted, big data regarding exposure level of citizens to health stressors, their health status, their autonomy, life quality and mental health.
- Analysis of data on interactions in the intervention and outcome datasets
- Semantically annotate datasets with existing or specifically developed ontologies and link them to the analytical model that represents the relationship between modalities
- Contribution to the Integration of the decision support system with other services
- Contribution to the development of deep learning algorithms for analysis of data, and visualizing the health analytics
- Support the collection of data from the Living Labs and development of data analytics and simulation tools for deep learning analysis on multifaceted, big data regarding individual lifestyles and their changes
- Support pilot activities for developing and implementing the URBANOME interventions in the ULLs
- Development of deep learning algorithms for the assessment of physical and mental health of pilot participants and application of big data analytics

- Development of personalized digital profiling system and investigation of monitoring parameters based on fog computing techniques and real time processing of sensorial data
- Data management and development of infrastructures
- Produce reports on analytics and prognostic markers

This work will be carried out in the context of:

WP1 – Methodological framework development

WP2 - Urban Living Labs for participatory planning and pilot interventions

WP3 – Development of Big Data ecosystem

WP5 - Assessment of physical and mental health and sleep quality

Required Qualifications

- Diploma in Informatics
- PhD in Informatics, in a field related to the development of Artificial Intelligence (AI) applications
- 12 months working experience in the development of AI algorithms
- 6 months research experience in the deployment of AI systems in the field of Health
- 3 publications in scientific journals related to the development of AI algorithms and applications
- Advanced knowledge of English (C1)

Additional Qualifications

- English language proficiency (C2)
- Announcements in scientific international conferences related to the development of AI applications

Qualifications Assessment

	Qualifications criteria	Credits (Researchers)
1	Foreign language (Level C2)	70
2	Announcements in scientific conferences (per announcement) – 6 max	15 (per announcement)

All the qualifications listed above are in relevance with the project requirements and objectives.

Electrical and Computer Engineer / until 31-12-2024 / up to 35.000,00 €

Project Description

The person selected will be active in the following field under the guidance, supervision and control of the Principal Investigator and as a member of the project team. It will contribute to the following research work:

- Data analysis and contribution to the establishment of a methodological framework for comprehensive evaluation of the efficacy of policies aiming at increasing health and wellbeing
- Development of data analytics tools
- Contribution in neurophysiological assessment of pilot participants through the analysis of EEG signals
- Semantic annotation of datasets with existing or specifically developed ontologies and link them to the analytical model
- Contribution to the Integration of the decision support system with other services

- Contribution to the development of deep learning algorithms for analysis of data, and visualizing the health analytics
- Support the collection of data from the Living Labs and development of data analytics and simulation tools for deep learning analysis on multifaceted, big data regarding individual lifestyles and their changes
- Support pilot activities for developing and implementing the URBANOME interventions in the ULLs
 - Development of personalized digital profiling system, data management, development of infrastructures, produce reports on analytics and prognostic markers

This work will be carried out in the context of:

WP1 – Methodological framework development

WP2 - Urban Living Labs for participatory planning and pilot interventions

WP3 – Development of Big Data ecosystem

WP5 - Assessment of physical and mental health and sleep quality

Required Qualifications

- Diploma in Electrical and Computer Engineering
- 6 months research experience in the deployment of applications in the domain of Health
- 1 Announcement in scientific international conference related to the field of health or biomedical technology
- Advanced knowledge of English (C1)

Additional Qualifications

- English language proficiency (C2)
- Proven knowledge in EEG signal processing and analysis with the aim to perform neurophysiological assessment of subjects

Qualifications Assessment

	Qualifications criteria	Credits (Researchers)
1	Foreign language (Level C2)	70
2	Proven knowledge in EEG signal processing and analysis with the aim to perform neurophysiological assessment of subjects	50

Required Documents:

1. Submission of Proposal - Statement (see appendix)
2. Detailed table data for the proof of experience, if needed (see appendix)
3. Detailed Curriculum Vitae
4. Copies of the Degrees (Note: In case the specialization / direction do not result from the Degree, the Detailed Score should be attached. In cases where the degree is a grading criterion and is not indicated in the copy of the degree then the detailed score is submitted additionally)
5. Copies of certificates and certifications of previous service, as well as any other document that will certify the information mentioned in the CV and which are related to the Required or Additional qualifications-criteria of this call for expression of interest.
6. Copy of certificate of military stats or discharge papers / Copy of deferral of enlistment (for male candidates)

* Proof of Professional Experience:

A. For professional experience in the private sector

Certificate from the relevant insurance company is required. If the certification of the insurance company does not show the specialized experience, it is required to present a contract or service voucher that covers the duration of the specialized experience.

B. For professional experience in the public sector

Certificate of the employer and / or contract with the employer, proving the period and the object of employment is required.

**** Proof of Research Experience:**

Research or participation in research centers or programs can be counted as experience time provided that the proposal includes: certificate of the employer proving the period of employment, the subject of employment, the title and the Academic Head for each research program or project. If the object of the project does not result from the above then a relevant certification from the Academic Head is required for each research program, in which the object of the research will be mentioned.

All the above concerning the experience apply if the candidates during their participation held the required basic qualification or the required professional license or other professional license or certificate.

Male candidates must have fulfilled their military obligations or have been legally discharged from them or have been deferred for the entire duration of the project. In case the time for which a deferral of enlistment has been received does not cover in its entirety the duration of the project, ELKE AUTH is obliged to terminate the respective contract at the expiration time of the above deferral. Both the contractor of the Special Account and the Academic Head Officer of the project are obliged to immediately inform ELKE AUTH one (1) month before the end of the deferral.

Proposals and required documents should be submitted either via e-mail to trontsiu@auth.gr or in person or by post to the following address Secretariat of Medicine School, AUTH, University Campus, 54124, Thessaloniki, within hours 10:00-14:00 no later than **31/10/2022** . Proposals will be attributed a reference number from the Secretariat of the Department of the Academic Head of the project.

This Invitation will be published on the website of ELKE AUTH <https://rc.auth.gr/proskliseis-gia-apasholisi-se-erga> and on the website of "Diavgeia".

For more information and questions regarding the position, candidates may refer to 2310-999310 For information on the proposal submission process candidates may contact ELKE AUTH at **00302310-994082, 994022, 994009**

Submitted proposals will be evaluated by a three-member Evaluation Committee based on the requirements/provisions of the call.

The candidate who wishes to submit an objection to the result (Decision for Approval of Results) is entitled to recourse either via e-mail to prosk@rc.auth.gr or in person or by post to the Special Account of Research Authorities of the Aristotle University of Thessaloniki (Research Committee AUTH, 1st floor, Office 101 - 3rd September Str., University Campus 546 36, Thessaloniki, Greece) within five (5) working days from the day following the posting of the Decision for Approval of Results on the website of ELKE AUTH and Diavgeia. The candidate has the obligation to be informed about the posting of the results from the website of ELKE <https://rc.auth.gr/proskliseis-gia-apasholisi-se-erga> in the online posting of this call for expression of interest in Diavgeia. Candidates are entitled to access the data of the individual proposal file and the assessment and evaluation papers of their own and of their other co-candidates, upon written request within five (5) working days of the day following announcement of the results on the website of Diavgeia and under the conditions of articles 5 of Law 2690/1999, 42 of Law 4624 / 2019 and 6 par. 1 lit. f of the GCC (EU 2016/679).

ELKE AUTH takes all appropriate measures for the protection of personal data during the evaluation process and it is strongly recommended that you read about the data protection policy and your rights on the AUTH website <https://www.auth.gr/gdpr>.

EVALUATION PROCEDURE – OTHER CONDITIONS

1. From all the proposals submitted according to the above specifications, the one that best meets the project's requirements will be selected and awarded a work contract on the basis of contractual freedom.
2. Only proposals / objections that will be received by the set date and time will be considered. In the case of postal submission, the deadline is judged on the basis of the date mentioned in the shipping file, provided that it will be received by ELKE AUTH no later than the announcement of the results. ELKE AUTH bears no responsibility for the content of the candidacy files that will be sent.
3. Changes to the proposals (replacements, corrections or submission of additional documents) are not allowed after the expiration of the deadline.
4. Any diplomas of higher education (undergraduate, postgraduate and doctoral) which are included in the Required or Additional Qualification and have been awarded by institutions abroad, must be accompanied by certificates of recognition by the Hellenic National Academic Recognition and Information Center (Hellenic NARIC). In case the diplomas mentioned above have not been recognized during the submission of the proposal, the relevant application for recognition by NARIC can be submitted. It is pointed out, however, that a contract cannot be concluded without the submission of the recognition of the academic titles by NARIC. In any case, ELKE AUTH reserves the right and discretion, depending on the needs of each research project and especially the time of its implementation, to finally contract with the next candidate that holds such certificates. In addition, when the call for expression of interest stipulates a grading/points scale of the degree, it is required to submit a certificate of the equivalent degree grade issued by NARIC. In the case that, all certificates for the recognition of a degree are provided but the certificate of the equivalent degree grade by NARIC is not submitted, the candidate's proposal will be accepted but no points for the degree will be awarded.
5. In case the diplomas of higher education have been awarded by institutions in Greece and the call requires a grading /points scale of the degree, it is required that the grade is indicated in the presented degree. If the grade is not indicated in the degree, then the detailed course score is presented. In case the degree does not indicate the grade and a detailed course score has not been submitted, the proposal of the interested person is not rejected, but the specific required qualification is not graded.
6. It is pointed out that the procedure for submitting proposals for the conclusion of a project lease contract is not competitive, while the selection of a contractor has the character of accepting the proposal and not "recruitment". The evaluation process will be completed by compiling a ranking list and / or a list of excluded, while those selected will be notified individually. In case of a tie, the proposal of the interested person is selected in order a) with the longest experience, b) with the highest bachelor's degree mark, c) with the highest master's degree mark.
7. The proposal that is first in the ranking table and has the highest score in all the scoring criteria will be the one that will be selected. In case of obstruction of the person who submitted it, the next proposal is selected until the ranking order is exhausted.
8. Any submitted proposal that does not meet the criteria of the call of the expression of interest will not be examined any further and will be automatically rejected.
9. Throughout the duration of the project, it is possible that the selected candidate(s) may be replaced, if necessary, by other candidate(s) of the present call and in accordance with the ranking list.
10. The contract may be extended without restriction, following a decision of the competent body of ELKE AUTH and if the required budget of the project allows it, without a new invitation, until the end date of the project (and in case of extension of the project until its new end date).
11. ELKE AUTH does not undertake any commitment to conclude a contract, as it is left to its full discretion to conclude or not contracts, as well as their number, excluding any claim of the interested parties.
12. The project assignment will take place in accordance with the provisions of the Program Implementation Guide.
13. The knowledge of foreign languages is demonstrated in accordance with the provisions of article 28 of the P.D. 50/2001 "Determining the qualifications for appointment to positions of public sector bodies (Qualifications)" (A' 39), as it applies until repealed with the entry into force of the new P.D. for the Qualification List of the staff of the State bodies, in accordance with article 52 par. 4 para. c' of Law 4830/2021 (A' 169). As regards language qualifications, photocopies of their originals must be submitted, accompanied by photocopies of their official translation into the Greek language, with the exception of language qualifications in English, French, German, Italian and Spanish, which, if they meet the conditions of the article 28 of the P.D. 50/2001, are accepted without requiring their translation.
14. For candidates, computer skills shall be certified according to the Article 27 par.6 of Presidential Decree 50/2001" Defining qualifications for the appointments of posts in the public sector" (Government Gazette 39/5.3.2001/Issue A', 24/30.01.2013 /Issue A' and 63/9.3.2005/Issue A').
15. Foreign documents must be accompanied by photocopies of their official translation into the Greek language except for English, French, German, Italian and Spanish language certificates.
16. It should be noted that the project assignment to candidates employed in the Public Sector, in Public and Private Bodies, etc. is subject to the provisions of paragraph 14 of Article 12 of YAKED 110427/EYTHY1020/01.11.2016

The President of the Research Committee

Efstratios A. Stylianidis
Vice Rector Research and Lifelong Learning AUTH

SUBMISSION OF PROPOSAL - STATEMENT*
(with consequences of law on false/inaccurate statement)

Mobile phone: E-mail: VAT number:

Please note in this proposal - statement and outside of the postal file the following

(To be completed by the candidate):

1. The protocol number of this call

2. The code of project object you would like to participate (A,B)

I affirm that the information given in
this proposal - statement is accurate and true

SIGNATURE

Date : ___/___/_____

Find attached : 1.
2.

**Incomplete filling of the proposal – statement constitutes a criterion for exclusion*

DETAILED TABLE DATA FOR PROOF OF EXPERIENCE

(The person concerned records all relevant experience to the subject of the call **if required**)

a/ a	From	To	(a)	(b)	Institution of Employment - Employer	Employer Category ⁽¹⁾	Task of Employment
			Months of Employment	Days of Employment			

TOTAL **GENERAL TOTAL MONTHS OF EXPERIENCE** ⁽²⁾

(1) Complete as appropriate with 'PR' or 'PU' depending on the category of the Employment Office, where PR: Private sector, individuals or private legal entities (corporations, etc.) • PU: Public sector, government agencies or public entities or local authorities of first and second degree or private entities in the public sector of par. 1 of Art. 14 of Law. 2190/1994 as in force or bodies of par. 3 of Art. 1 of Law. 2527/1997. In the case of self-employed, complete with the indication "SE".

(2) Complete the GENERAL TOTAL MONTHS OF EXPERIENCE. When, in Column (b) shows experience, the total days of employment divided by 25 (if the experience has been calculated as the number of wages) or by 30 (if the experience has been calculated as the period from the start day until the expiration date of employment) and the resulting integer is added to the total months of employment of the column (a).