Doctoral Vacancy Announcement form

Research Topic Title: "Embedding Artificial Intelligence within applications of the Internet of Things"

No. of Openings: 1 (one)

Description:

This dissertation will study how artificial intelligence and edge computing can be exploited within existing and potential applications of the Internet of Things. Indicative application domains are smart cities, energy, transportation and agriculture and the study can potentially involve working with both the software, hardware (i.e. mobile devices, sensors) and networking infrastructure supporting the applications.

The work for the above subject entails carrying out high level research that produces original results that advance knowledge in the corresponding scientific field.

The application of each candidate should include a detailed CV along with a brief description of research interests (maximum 2 pages) written in English.

It is noted that, in addition to the dissertation and its related requirements (preparation and presentation of the dissertation proposal, research-writing-defense of the dissertation), the PhD Program of the Department of Communication and Internet Studies requires the successful completion of a comprehensive examination in the field of the study (which will be specified by the fourth semester of studies), the publication of at least one article in a peer-reviewed academic journal, the completion of four courses, and the teaching of at least two laboratory or tutorial courses for undergraduate students. Attending courses and teaching require physical presence at the Cyprus University of Technology (however, there is some flexibility in scheduling these activities).

Required Qualifications:

Candidates must hold a postgraduate degree in Computer Science, Computer Engineering, Electrical Engineering, Data Science or a relevant field. In exceptional cases candidates without a postgraduate degree may also be admitted in the doctoral program.

Funding:

Cyprus University of Technology | Studies and Student Welfare Services

Funding: Depending on their field of expertise and qualifications, candidates may be offered teaching assistant positions in the department for lab-based courses and/or research assistant positions in on-going research projects.

Candidates can also apply for a scholarship from the university at the time of submitting their application for this position.

Research Advisor:
Name/Surname: Lambros Lambrinos
Position: Associate Professor
Email:lambros.lambrinos@cut.ac.cy

Doctoral Vacancy Announcement form

Research Topic Title: "Applications of the Internet of Things in Environmental Education"

No. of Openings: 1 (one)

Description:
This Ph.D. thesis work will lead to the design, development and empirical investigation of applications that use Internet of Things (IoT) technologies (mobile devices, sensors and the users as data sources i.e. crowdsourcing) to develop users' environmental consciousness as well as energy awareness. The thesis will focus on developing IoT applications to investigate potential methods in which they can be integrated in formal education or in Environmental Education Centers (or in informal learning contexts) so that they can have a positive effect on users' learning and/or behavior and attitudes on environmental and energy issues.

The work for the above subject entails carrying out high level research that produces original results that advance knowledge in the corresponding scientific field.

The application of each candidate should include a detailed CV along with a brief description of research interests (maximum 2 pages) written in English.

It is noted that, in addition to the dissertation and its related requirements (preparation and presentation of the dissertation proposal, research-writing-defense of the dissertation), the PhD Program of the Department of Communication and Internet Studies requires the successful completion of a comprehensive examination in the field of the study (which will be specified by the fourth semester of studies), the publication of at least one article in a peer-reviewed academic journal, the completion of four courses, and the teaching of at least two laboratory or tutorial courses for undergraduate students. Attending courses and teaching require physical presence at the Cyprus University of Technology (however, there is some flexibility in scheduling these activities).

Required Qualifications:
Candidates must hold a postgraduate degree in Computer Science, Computer Engineering, Data Science, Educational technologies, Multimedia or a relevant field. In exceptional cases candidates without a postgraduate degree may also be admitted in the doctoral program.

Funding: Depending on their field of expertise and qualifications, candidates may be offered

teaching assistant positions in the department for lab-based courses and/or research assistant positions in on-going research projects.

Candidates can also apply for a scholarship from the university at the time of submitting their application for this position.

Research Advisor:
Name/Surname: Lambros Lambrinos
Position: Associate Professor
Email: lambros.lambrinos@cut.ac.cy

Doctoral Vacancy Announcement form

Research Topic Title: "Misinformation and fact-checking"

No. of Openings: 1 (one)

Description: Fact checkers evaluate the truthfulness of political and other types of claims and information appearing in public. The practice has increased enormously in recent years. Most of the literature focuses on its corrective potential. This doctoral dissertation will examine other aspects of fact-checking, such as its methods, its reliability, or fact-checking as a profession The doctoral candidate can also propose other aspects associated with fact-checking.

It is noted that, in addition to the dissertation and its related requirements (preparation and presentation of the dissertation proposal, research-writing-defense of the dissertation), the PhD Program of the Department of Communication and Internet Studies requires the successful completion of a comprehensive examination in the field of the study (which will be specified by the fourth semester of studies), the publication of at least one article in a peer-reviewed academic journal, the completion of four courses, and the teaching of at least two laboratory or tutorial courses for undergraduate students. Attending courses and teaching require physical presence at the Cyprus University of Technology (however, there is some flexibility in scheduling these activities).

Required Qualifications:
Doctoral candidates should possess an undergraduate degree and an MSc / MA from accredited universities in at least one of the following subject areas: Journalism Studies, Communication Studies, Political Science, or other studies relevant with the topic. Candidates should exhibit superior knowledge and competences in research design, quantitative and/or qualitative data collection and analysis, and be familiar with the use of statistical or qualitative data analysis software (e.g. NVivo, SPSS). In addition, candidates should exhibit high academic performance and must be able to complete their doctorate dissertation in English. Excellent command of the Greek language is also a prerequisite. The nature of the topic demands full-time commitment to the research area; hence, this post is on a full-time basis only.

It is expected that the doctoral candidates will publish papers at high impact journals in journalism studies and present research results at scientific conferences, research workshops, etc.

Research Advisor:
Name/Surname: Paschalia (Lia) Spyidou
Position: Associate Professor

Email: l.spyridou@cut.ac.cy

Doctoral Vacancy Announcement form

Research Topic Title: "Sociology of Juvenile Delinquency"

No. of Openings: 2 (Two)

Description: Juvenile delinquency refers to behaviors, ideas and situations which involve young persons and which deviate from what society defines as "normal". It is a subdomain of social deviance and it shares common ground with criminality. The study of juvenile delinquency is interdisciplinary with foundations predominantly in sociology and social psychology.

The theoretical context within which the doctoral dissertation will navigate is primarily sociological and is expected to include both etiological and critical approaches. Etiological approaches focus on the question "who breaks the norms" and are generally part of positivistic criminology, examining questions concerning the relationship between deviant behavior and the social profile of perpetrators and victims. Critical approaches focus on the question "who makes and enforces the norms" and are generally part of the sociology of normative culture and conflict criminology, examining questions concerning the relationship between deviance and social power.

Empirically, the dissertation is expected to focus on juvenile delinquency in Cyprus in recent years and to include the collection and analysis of quantitative (through surveys) and qualitative (through in-depth interviews and/or field observation) data. The dissertation could also include a study of the communication landscape related to delinquency in Cyprus and more generally, with content analysis of traditional and new media.
The topic of the dissertation and the emphasis that will be placed on the dimensions mentioned above will be decided during the studies.

It is noted that, in addition to the dissertation and related requirements (preparation and presentation of the dissertation proposal, research, writing, and defense of the dissertation), the PhD Program of the Department of Communication and Internet Studies requires the successful completion of a comprehensive examination in the student's field of study (which is specified by the fourth semester of studies), publication of at least one article in a peer-reviewed academic journal, completion of four taught courses and teaching of at least two laboratory or tutorial courses for undergraduate students. Attending courses and teaching require physical presence at the Cyprus University of Technology (however, there is flexibility in scheduling these activities).
Required Qualifications:

1. Undergraduate Degree (preferably in the social sciences or humanities) from an accredited tertiary education institution, with minimum grade point average 7.5/10 or equivalent.
2. Graduate Degree (master's level) in the social sciences (preferably on a subject related to the announced position) from an accredited tertiary education institution, with minimum grade point average 7.5/10 or equivalent.
3. Good knowledge of social sciences data collection and analysis methodology.
4. Excellent knowledge of Greek.
5. Very good knowledge of English.

The evaluation of the applications will also focus on other credentials and qualifications, such as the grades received in previous studies, experience in social science research programs, presentations to academic or general audiences and academic publications.

Candidates must submit the following with their application:

1. CV in English or Greek.
2. Diploma supplement of equivalent, documenting the grades received in each course for all previous study programs up to the date pf application.
3. A letter of purpose explaining the interest in the position with reference to previous research or other related experience and an outline of the objectives and expectations of the candidate (up to 2 pages).
4. Two recommendation letters, preferably from faculty members of tertiary education institutions, with substantiated evaluation of the candidate's research potential.
5. Fully completed application form
6. Any other supporting materials

Funding: In addition, depending on its needs, the Department of Communication and Internet Studies offers opportunities for paid work for teaching and research.

Research Advisor:

Name/Surname: Stelios Styianou
Position: Associate Professor

Email: stelios.stylianou@cut.ac.cy

Doctoral Vacancy Announcement form

Research Topic Title: "AI and Journalism: impacts & challenges"

No. of Openings: 1 (one)

Description: The doctoral dissertation will focus on the study of the effects of Artificial Intelligence on Journalism, specifically on how AI can influence the production of journalistic content (photography, video, text), as well as the journalistic norms and values that govern the journalistic profession. The prospective PhD candidate will explore issues related to how specific technologies such as AI (and/or specialized tools/software for journalists) mediate the journalistic profession. The topic will be specialized depending on the background of the individual selected. The process of obtaining the aforementioned PhD will include the development of original research that will contribute to the relevant scientific field.

It is noted that, in addition to the dissertation and its related requirements (preparation and presentation of the dissertation proposal, research-writing-defense of the dissertation), the PhD Program of the Department of Communication and Internet Studies requires the successful completion of a comprehensive examination in the field of the study (which will be specified by the fourth semester of studies), the publication of at least one article in a peer-reviewed academic journal, the completion of four courses, and the teaching of at least two laboratory or tutorial courses for undergraduate students. Attending courses and teaching require physical presence at the Cyprus University of Technology (however, there is some flexibility in scheduling these activities).

Required Qualifications:

Candidates should have:

- A recognised undergraduate and postgraduate degree in Journalism/Media/Communication Studies or other related field.

- Prior knowledge or familiarity with internet technologies and the various platforms for the production/editing of journalistic content is desirable.

- Excellent knowledge of both the Greek and English languages is considered essential.

Due to the interdisciplinary nature of the subject, candidates with a background in Computer Science who wish to conduct a doctoral research in the field of social/humanities sciences are also eligible to apply.

Candidates should be able to:

- Conduct their doctoral dissertation in either Greek or English.

Priority will be given to candidates with:

a) Sufficient knowledge of qualitative and quantitative research methods in the Social Sciences, particularly in the field of Journalism, Media and Communication

b) Previous research experience in related fields,

c) Experience in submitting research proposals.

The application must be accompanied by a description (up to two pages) of the candidates' research interests in English or Greek, along with a short research proposal explaining their research interests and justifying the necessity of conducting research on the specific topic. Additionally, a letter of recommendation, preferably from university professors, should be submitted independently within the application submission deadline

Funding: For the above position, there is the possibility of providing a scholarship in the form of full tuition fee exemption.

Additionally, there is an intention on the part of the Department to involve the PhD candidates in the teaching of laboratory/tutorial sessions to cover tuition fees, or in related research programs.

Research Advisor:
Name/Surname: Venetia Papa
Position: Assistant Professor
Email: venetia.papa@cut.ac.cy

Doctoral Vacancy Announcement form

Research Topic Title: "Platforms and Journalism: Production, Editing, and Distribution of journalistic content and audiovisual material through platforms (critical approach)"

No. of Openings: 1 (one)

Description: The doctoral dissertation will focus on the relationship between 'platforms and journalism,' specifically on studying the Google News Initiative or other related initiatives. The research will critically examine how digital platforms affect the news production process and/or journalistic practice, with particular emphasis on Google's collaboration with news outlets and its role in supporting journalism through technology and innovation. The aim is to analyze the interaction between big tech companies and news organizations, as well as the impact of this collaboration on transparency, reliability, and the independence of journalism, with a special focus on journalist education and the development of specific skills. The topic will be specialized depending on the background of the selected individual.

The process of obtaining the above PhD will involve the development of original research that will contribute to the relevant scientific field.

It is noted that, in addition to the dissertation and its related requirements (preparation and presentation of the dissertation proposal, research-writing-defense of the dissertation), the PhD Program of the Department of Communication and Internet Studies requires the successful completion of a comprehensive examination in the field of the study (which will be specified by the fourth semester of studies), the publication of at least one article in a peer-reviewed academic journal, the completion of four courses, and the teaching of at least two laboratory or tutorial courses for undergraduate students. Attending courses and teaching require physical presence at the Cyprus University of Technology (however, there is some flexibility in scheduling these activities).

Required Qualifications:

Candidates should have:

- A recognised undergraduate/or and a Master degree in Journalism/Media/Communication Studies or other related field.
- Prior knowledge or familiarity with internet technologies and the various platforms for the production/editing of journalistic content is desirable.

- Excellent knowledge of both the Greek and English languages is considered essential.

Due to the interdisciplinary nature of the subject, candidates with a background in Computer Science who wish to conduct a doctoral research in the field of social/humanities sciences are also eligible to apply.

Candidates should be able to:

- Conduct their doctoral dissertation in either Greek or English.

Priority will be given to candidates with:

a) Sufficient knowledge of qualitative and quantitative research methods in the Social Sciences, particularly in the field of Journalism, Media and Communication.

b) Previous research experience in related fields.

c) Experience in submitting research proposals.

The application must be accompanied by a description (up to two pages) of the candidates' research interests in English or Greek, along with a short research proposal explaining their research interests and justifying the necessity of conducting research on the specific topic. Additionally, a letter of recommendation, preferably from university professors, should be submitted independently within the application submission deadline.

Funding:

For the above position, there is the possibility of providing a scholarship in the form of full tuition fee exemption. Additionally, there is an intention on the part of the Department to involve the PhD candidates in the teaching of laboratory/tutorial sessions to cover tuition fees, or in related research programs.

Research Advisor:
Name/Surname: Venetia Papa
Position: Assistant Professor
Email: venetia.papa@cut.ac.cy

Doctoral Vacancy Announcement form

Research Topic Title: "Citizen Science & Design of extended reality (XR) environments"

No. of Openings: 1(One)

Description: This doctoral research will focus on the design, implementation, and evaluation of extended reality (XR) environments in Citizen Science. The doctoral candidate will explore issues related to how extended reality technologies (AR, VR) can be designed and used in the implementation of Citizen Science programs, to enhance citizen participation, promote inquiry-based learning, and cultivate scientific thinking, while encouraging citizens-scientists collaboration and contributing to the solution of various socio-environmental issues. The topic will be specialized according to the background of the selected individual.

Due to the interdisciplinary nature of the subject, candidates with a background in the fields of Design, Social Sciences, Educational Sciences, Natural Sciences, and/or Informatics may apply.

It is noted that, in addition to the dissertation and its related requirements (preparation and presentation of the dissertation proposal, research-writing-defense of the dissertation), the PhD Program of the Department of Communication and Internet Studies requires the successful completion of a comprehensive examination in the field of the study (which will be specified by the fourth semester of studies), the publication of at least one article in a peer-reviewed academic journal, the completion of four courses, and the teaching of at least two laboratory or tutorial courses for undergraduate students. Attending courses and teaching require physical presence at the Cyprus University of Technology (however, there is some flexibility in scheduling these activities).

Required Qualifications:

1. A bachelor's degree from a recognized university in a field relevant to the announcement, with a minimum overall grade of 7.5/10 (or equivalent).
2. A Master's degree in a relevant field that complements the knowledge acquired during undergraduate   studies.
   Strong academic background, as evidenced by the CV and transcript of degrees.
    Good knowledge of data collection and analysis methodologies, and knowledge of statistical analysis programs and/or qualitative analysis methodologies.
3. Very good knowledge of Greek and English.

Candidates must submit the following with their application:

1. A statement of interest in the position (up to two pages).
2. A CV in English or Greek.
3. Official transcript of undergraduate and postgraduate courses.
4. Two required recommendation letters, preferably from university professors.
5. Completed application form for admission to the PhD Program.
6. Other relevant proof of qualifications.

The following will be considered as advantage:

1. Previous experience in research projects.
2. Publications in scientific journals.

3. Notes:

- Recommendation letters should be sent directly to the University or the supervisor by the individuals writing them.
- The position requires physical presence in Limassol on a weekly basis

Applications that do not meet the above requirements will not be considered.

Funding: There is an intention on the part of the Department to involve the PhD candidates in the teaching of laboratory/tutorial sessions to cover tuition fees, or in related research programs.

Research Advisor:

Name/Surname: Yiannis Georgiou

Position: Lecturer

Email: ioannis.georgiou@cut.ac.cy