Research Associate for subject
«Motion Capture Using Wireless Networks»

Preferred Start Date: January 2021 or as soon thereafter

The **Research Centre on Interactive Media, Smart System and Emerging Technologies – RISE LTD (www.rise.org.cy)** is a newly founded research centre of excellence in Nicosia, Cyprus. RISE LTD is a significant investment supported by the European Commission, the Republic of Cyprus and its founding Partners, the Municipality of Nicosia, Max Planck Institute, University College London, the University of Cyprus, the Cyprus University of Technology and the Open University of Cyprus. This project has received funding from the European Union's Horizon 2020 research and innovation programme H2020-WIDESPREAD-01-2016-2017 (Teaming Phase 2) under grant agreement No. 739578, as well as from the Cypriot Government, local and international partners, and other sponsors.

The Centre conducts excellent, internationally competitive scientific research in the areas of visual sciences, human factors and design, communication, and artificial intelligence delivered by high-calibre multidisciplinary research teams. RISE engages in knowledge transfer and innovation activities aiming to bridge the gap between scientific research and STEM-led innovation and entrepreneurship.

The research focus of RISE is on interactive media, smart systems, and emerging technologies. Interactive media have become an integral part of our lives, changing the way that information is conveyed to the user and the ways users interact with devices, with other people, and with the world around them. Smart systems have offered a novel way of producing automated solutions to hard problems for which the mere use of the human intellect is insufficient. Research in RISE integrates the Visual Sciences, Human Factors & Design, and Communications & Artificial Intelligence, in a tight synergy that provides a unique interdisciplinary research perspective that emphasizes an "Inspired by Humans, Designed for Humans" philosophy. RISE is designed to act as an integrator of academic research and industrial innovation, towards the sustainable fueling of the scientific, technological, and economic growth of Cyprus and Europe. For more information about RISE, please visit www.rise.org.cy.

The successful candidate will work on the **ALADDIN research project**: **Advancing the motion capture technology via distributed wireless networks**, on the subject of "Motion Capture Technologies with Distributed Wireless Networks". The ALADDIN project aims to develop an innovative motion recording system, different from other conventional systems, which will be cost-effective and minimize the risks associated with motion capture in dynamic situations. The proposed system will also be easily scalable, in the sense that motion capture will not require external devices, thus allowing efficient and accurate capture outdoors.

General qualifications & requirements

- Bachelor's degree and/or postgraduate degree in a relevant field (e.g. Informatics, Electrical Engineering, or Computer Engineering) from an accredited institution.
- Excellent programming skills (e.g., C #, Python, Pytorch, Tensorflow) and software development
- Excellent knowledge of both spoken and written English language.
- For non-EU applicants a work permit will be required.

Additional qualifications relevant to the Aladdin Project will be considered an advantage:

- Experience in topics relevant to Computer Graphics, Kinesiography
- Experience in Machine / Deep Learning
- Good knowledge of mathematics
- Experience and / or participation in European and other funded research projects
- Knowledge of distributed network communication
- Organizational skills

Benefits

Take advantage of this opportunity for your professional and personal development by being a part of our fast-growing Research Technology Development and Innovation Centre of Excellence. A very attractive remuneration package will be offered to the successful candidate according to qualifications and experience.

Application process

For full consideration interested applicants should submit the following items via email to vacancies@rise.org.cy and use the email subject line: "**Application: Research Associate: Aladdin**":

1. A cover letter which clearly specifies i) contact details, ii) employment availability date, iii) your interest to the subject matter
2. Brief review of research/academic work, as well as a brief description of future scientific plans (up to 2 pages).
3. A detailed curriculum vitae in English or Greek.
4. Copies of transcripts of BSc/MSc/PhD degree(s).
5. Contact details of two (2) persons who could provide references

In case you previously applied for a post at RISE, a new application is required.

For general enquiries, applicants may contact the HR Department of the Research Centre on Interactive Media, Smart Systems and Emerging Technologies at vacancies@rise.org.cy. For more information regarding the ALADDIN project, interested parties can contact Assistant Professor Andreas Aristidou at the e-mail address a.aristidou@ieee. org.

RISE LTD is an equal opportunity employer and the position is open to everyone, internationally.

All applications are treated in the strictest confidence.