DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
SPECIAL SCIENTIST

Title: Special Scientist
No. of Position(s): One (1)
Category: 6 month Contract, subject to renewal
Location: University of Cyprus, Nicosia & Aretaeio Private Hospital, Nicosia

JOB TITLE
Special Scientist Position in Biomedical Signal Processing / Biomedical Engineering (Application Code: ECE-2)

JOB SUMMARY
The Department of Electrical and Computer Engineering at the University of Cyprus (UCY), announces a vacancy for a full-time Special Scientist position for the “Direct In-vivo Monitoring of the Endometrial Cavity” (DIMEC) project (https://youtu.be/pH3_1qFeGOA), funded by the not-profit organization Cyprus Seeds (https://www.facebook.com/cyprusseeds). The ideal candidate will have experience in EMG processing or other related biosignal-processing methods and machine learning, and will get to work with data obtained from a unique Electro-Utero-Graph (EUG), that can record electrical activity from within the non-pregnant uterus.

JOB DESCRIPTION
The candidate will be involved in the collection of a EUG dataset, in collaboration with Prof. Vasilis Tanos and will be involved in the development and application of ground-breaking signal processing/machine learning techniques to derive key metrics of normal and abnormal uterine contractility in collaboration with Prof. Julius Georgiou. The candidate must have excellent Matlab skills and must be comfortable with working with human subjects.

UNIVERSITY OF CYPRUS
The University of Cyprus was officially founded in 1989 and started operating in Nicosia, the capital of Cyprus, in 1992. Within a short time, the University of Cyprus has managed to achieve international recognition through an impressive course of development. Today, it is ranked 64th best young university (under 50 years) and #351-400 worldwide by the Times New Higher Education Rankings. The ECE department, in which the special scientist will work in, is currently amongst the top #201-300 Electrical and Electronic Engineering Departments globally, according to the Shanghai Global rankings. These and many other distinctions are the result of our dedication to excellence and continuous development.

DUTIES AND RESPONSIBILITIES:
- Collection of EUG Data using of the world’s first EUG recorder
- Developing algorithms for extracting metrics for normal and abnormal uterine peristalsis.
- Working together with the PIs to prepare publications
- Giving feedback the hardware engineers to possibly improve the EUG device design
- Collaboration and support of the team towards the implementation of research objectives

REQUIRED QUALIFICATIONS AND SKILLS:
- Bachelors degree in Electronics, Electrical Engineering, Physics or a related discipline.
- Relevant experience in Biomedical Signal Processing and Machine Learning.
- Excellent command of the English language (written and verbal).
- Excellent organisation, time management, collaboration and communication skills.

EMPLOYMENT TERMS:
The monthly gross salary for full-time employment (140 hrs/month) is in the range of €1500-€2900. From this amount employer and employee contributions to the various Government Funds will be deducted. The salary will vary depending on experience and qualifications. The initial contract is for six (6) months with the possibility of renewal based on successful progress. 13th salary is not provided.
SUBMISSION OF APPLICATIONS:

Interested candidates should submit the following items, in PDF format, via e-mail indicating the application code in the subject to Prof. Julius Georgiou (julio@ucy.ac.cy) by 27th March 2020:

1. Cover letter that specifies their employment availability date.
2. A detailed curriculum vitae (contact address and telephone number should be included).
3. Copies of degree certificate(s) and of transcripts.
4. The names and contact details of two persons, of whom at least one is an academic, from whom references may be requested.

For more details and clarifications, you may contact Prof. Julius Georgiou, +357 22892264, (julio@ucy.ac.cy)