**** Master Student Position in Signal Processing for ECG****

We are seeking an outstanding and highly motivated Master student to join the Universidad Autónoma de Ciudad Juárez at Mexico, and contribute to a new project in Signal Processing area. More concretely, the project aims at neural network architecture for classifying cardiac arrhythmia.

The main tasks of the Master student will be related to researching, planning, and designing a Neural Network architecture for classifying cardiac arrhythmia. This includes research related to the design/framework of a system capable of bridging the gap between the real-time monitoring and arrhythmia classification. The Master student will also be involved in parts of the development of an architecture based on ECG sensors for arrhythmia classification. Furthermore, the Master student will coordinate and co-supervise research assistants and BSc students who will help with data acquisition embedding systems.

The Master student will be working under the supervision of Dr. Ricardo Rodriguez Jorge and will join an active research team of undergraduate and graduate students.

Required Qualifications:
. BSc. in Mechatronics, Electronics, or a related area
. Strong Human-Machine interface skills
. Interest in conducting applied research in education that benefits real-world learners
. Strong verbal and written communication skills
. Self-motivated with a strong work ethic and ability to work independently

Assets and Preferences:
. Project management skills
. Experience and ability to design and build data acquisition systems
. Experience in designing user interfaces and data visualization
. LabVIEW programming experience

Job Details:
. Preferred start date is August 2018, Option to start 1-2 months earlier or later can be negotiated.
. The position is for 2 years.

How to Apply:
Please send the following documents to Dr. Ricardo Rodriguez Jorge
- Motivation letter (including information about possible start date)
- A description about your BSc thesis or experience (max. 1 page)
- CV
- Names and contact information of two references
- BSc thesis in pdf file
- Deadline: March 02, 2018

Questions:
Please contact Dr. Ricardo Rodriguez Jorge