

#### \*\*\*\* PhD Research Position in Bayes Adaptive Planning\*\*\*\*

We are seeking an outstanding and highly motivated PhD student to join the Universidad Autónoma de Ciudad Juárez at Mexico, and contribute to a new project in the area of Bayes Adaptive Planning. More concretely, the project aims at Bayesian architecture to achieve an efficient method for planning in the face of uncertainty.

The main tasks of the PhD researcher will be related to researching, planning, and designing a Bayesian Architecture. This includes research related to the design/framework of a system capable in continuous domains. The PhD researcher will also be involved in parts of the development (programming) of a system accurate enough and sufficiently fast to provide practical power of Bayes adaptive planning. Furthermore, the PhD student researcher will coordinate and co-supervise research assistants and BSc/MSc students who will help with programming (and design) tasks of different learning techniques, and Bayes Adaptive Planning to realistic problems.

The PhD researcher will be working under the supervision of Dr. Ricardo Rodriguez Jorge and Dr. Edgar A. Martínez, and will join an active research team of undergraduate and graduate students.

#### **Required Qualifications:**

- . Msc. in Technology, Applied Computing, Mechatronics, or a related area
- . Research experience in or related areas
- . Strong publication record
- . Strong research skills
- . Strong software development 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:**

- . Experience in mentoring/co-supervising undergraduate and graduate students
- . Project management skills
- . Experience and ability to design and build tools or systems
- . Experience in designing user interfaces and data visualization
- . Programming experience and skills in Matlab, Python, C++, Java
- . Programming experience and skills in developing client/server application in Java socket programming

#### **Job Details:**

- . Preferred start date is August, 2018, Option to start 1-2 months earlier or later can be negotiated.
- . The position is for 3 years, with the goal of applying for additional funding.

#### **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 previous and current research (max. 1 page)

- CV
- Names and contact information of three references
- 1-2 representative publications
- Deadline: March 02, 2018

**Questions:**

Please contact Dr. Ricardo Rodriguez Jorge