



2, RUE DE LA CHATAIGNERAIE

35510 CESSON-SEVIGNE

FRANCE

Post-doctoral position (24 months) on Artificial Intelligence (AI)

1. Context

Yncréa Ouest/ISEN is a French major engineering school, specialized in digital sectors, recognized by the Ministry of Education and accredited by the CTI (French national engineering qualification board). The mission of our dedicated teaching and administrative team is to provide students with a 5-year general engineering qualification, specializing in digital technologies.

Based in Brest (700 students), Nantes (120 students) and Rennes (30 students), our 3 campuses offer engineering programs in embedded electronics, Internet of Things, mobile robotics, artificial intelligence, business engineering, bio technologies, energy and sustainable development. Our school has experienced/registered a strong growth for a few years.

With more than 30 members, our research laboratory L@bISEN focuses on smart and autonomous systems (information processing and decision, sensors network, energy). Our laboratory is most dynamic, with publications in top-ranked journals.

In this context, we are recruiting a postdoctoral fellow for 24 months in Rennes in the field of artificial intelligence.

2. Subject

The work consists in contributing to the development of a system which can extract some relevant information for studying the behavior of a people or a group of people. The information is acquired from multimodal sensors (images from optical camera, sensors such as accelerometers, thermometers, pressure sensors...) and is processed to extract relevant information (fall detection for elderly, suspicious activities to prevent terrorism...)

The work will consist in delimiting some simple scenarios with different sensors, then to test and validate, and to complexify the scenarios by bringing new sensors and new kind of information in order to be able to trigger alerts related to the behavior. The candidate will focus on applying artificial intelligence methods on the existing data and evaluate the extracted information.

3. Requirements:

The candidate holds a PhD in Artificial Intelligence, Data Science, Applied Mathematics or a related discipline. She/he should be independent in organizing their work, a spirit of initiative and creativity. A taste for teaching is also an appreciated skill for the position (some lectures to our students could be proposed)

This position is funded by the Brittany region (SAD). **The candidate must have spent at least 18 months outside France during the last 3 years.**

4. Application and deadlines:

To apply, please send your CV and a cover letter before June, 30th 2020

Starting date: as soon as possible

The post-doctoral position may be converted into a full-time research/teaching position in our institution at the end of the contract.

5. Contacts

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- Michaël Aron, michael.aron@isen-ouest.yncrea.fr, head of ISEN Rennes
- Ayman Al-Falou, ayman.al-falou@isen-bretagne.fr professor, head of Research at Yncrea Ouest/ISEN