# International University of Rabat (UIR)
## ICT Research Laboratory (TICLab)


### Postdoctoral position opening in Big Data Analytics

A postdoctoral research fellow with expertise and interest in data science and big data technologies is sought to join the VLIR-UOS funded project "Monitoring of Urban Pollution and its Impact on Health". The successful postdoctoral fellow will lead and coordinate the design and implementation of a geographical information system for the monitoring and prediction of urban pollution. The research fellow will also have a teaching load of 90 hours a year to be delivered at the School of Aerospace. The teaching will consist of lab sessions ('travaux pratiques') for the Introduction to Computer Science course.

The successful candidate must have a PhD in computer science or a related field. Knowledge of and experiences in machine learning and programming languages (e.g., Python, Java, C++, R) are essential. Other desired skills include the design and implementation of geographic information systems, cloud computing, and project management. The candidate should be highly motivated, have demonstrated ability to work independently and have strong oral and written communication skills in English.

Application materials should include: (1) cover letter, (2) statement of professional goals, (3) detailed CV, (4) up to three representative research papers and/or software programs developed by the applicant, (5) list of 3 references (names and contact information).

Applicants are encouraged to submit their application materials as soon as possible. Applications are welcome until a suitable candidate is identified. Reviews of applications will begin on March 1, 2017. The position is available now but start date is relatively flexible. **Applications should be emailed to [recruitment@uir.ac.ma](mailto:recruitment@uir.ac.ma)**. The academic contact is Prof. Mounir Ghogho (mounir.ghogho@uir.ac.ma).

The position is for one year, renewable once. The net salary for a full time appointment for a Postdoc will be between 14000 and 19000 Moroccan dirhams per month, depending on experience and qualifications.


**Brief project description:** This project aims to develop a graphical information system for different types of urban pollution in Rabat-Salé-Témara, and analyze the impact of this pollution on health of children. This will be achieved through the deployment of pollution sensors as well as sophisticated tools from data sciences. The project will be carried out by the International University of Rabat (UIR) in collaboration with the Catholic University of Leuven (Belgium), The University of Leeds (England) and a number of hospitals in Morocco.