Two (2) Post-doctoral Research Fellows in Physically-Informed Probabilistic Modelling of Air Pollution, Department of Computer Science, School of Computing & Informatics Technology

An exciting opportunity for Post-doctoral Research Fellows is available at AirQo, a social impact project based in the Artificial Intelligence lab and the Department of Computer Science, College of Computing and Information Sciences, Makerere University. AirQo has a growing network of low cost air quality monitors and uses machine learning and artificial intelligence to collect, analyse, predict, raise awareness and inform policy decisions.

This fellowship is under a collaborative project between Makerere University and the University of Sheffield and will develop and deploy machine learning methodology to analyse air pollution data from Kampala, in order to determine the source of the pollution and to aid the design of mitigating interventions. In particular, you role will include but not limited to: (1) developing sensor anomaly detection and multi-fidelity probabilistic sensor calibration models (2) modelling and quantification of the effect of the weather on the model (3) developing spatio-temporal models and infer pollution sources.

To apply please submit a current CV/Resume and a covering letter demonstrating how you meet the requirements of the person specification to Engineer Bainomugisha at info@airqo.net by **February 12th 2020**. Please include your name in the title of any attached documents. Interviews are scheduled to take place the following week.

This project is funded by the EPSRC Global Challenges Research Fund (GCRF) and Google.org.

For more information about AirQo visit: www.airqo.net or direct questions to info@airqo.net
We very much look forward to receiving your application.

Position: Post-doctoral Research Fellow
Number of positions: Two (2)
Terms of Employment: Postdoctoral fellowship
Annual Stipend: ~$16,400 - $18,800 USD per annum
Contract: Initially, 1 year with potential for extension for another year.
Expected start date: Immediately
Duty station: Makerere University, Uganda with occasional travel to The University of Sheffield, UK.

PERSON SPECIFICATION
- PhD in Computer Sciences, Mathematics, or Statistics or Machine learning
- Effective communication skills and a desire to be part of an international multi-party collaboration, and be willing to travel to Sheffield (approximately one trip per year).