

## **Research assistants in air monitoring technology, air sensor development and a applications**

### **Duties**

Research assistant positions are open in the field of air monitoring technology and sensor development and application for air quality research and community air monitoring. The Aerosol and Air Quality Laboratory in School of Energy and Environment in City University of in Hong Kong is equipped with state-of-the-art and comprehensive research equipment and facilities for PM<sub>2.5</sub> and air pollution related research and development (Please refer the webpage for the list of project and equipment: <http://www.ninglab.org>). The laboratory holds multiple US and China patents and has close collaboration with industrial partners in Hong Kong and mainland China. The appointees will assist in the development and application of new generation gas and particle sensors for mobile, microenvironment and air quality monitoring network studies. Typical duties include a wide range of topics including: calibration of instruments and sensors, circuit design and embedded software development of monitoring systems, electrical component assembly and participation in field studies. The appointees will be important staff team member who assist the PI and other members of our group in various research projects.

Publication and communication of findings are strongly valued outputs of this group. To the extent warranted RAs may participate in the preparation and presentation of study findings. The candidate's involvement in a variety of research activities will serve to expand their horizons and develop solid skills for possible future research and academic careers.

### **Requirements**

Bachelor or master's degree holders with demonstrated experience in **environmental engineering, atmospheric science, electrical engineering, computer science, or a closely related discipline are strongly encouraged to apply**. Candidates should demonstrate strong laboratory and/or field skills. An understanding of aerosol and air pollution fundamentals is valuable. The ability to work in a multi-disciplinary team is essential. Instrumentation use experience, programming and algorithm development capabilities are bonus.

### **Salary and Conditions of Service**

The position will come with an initial six month contract that may be extended based on candidate performance. Salaries will be highly competitive, commensurate with qualifications and experience.

### **Application**

Applications will be accepted until all the positions are filled but priority will be given to applications received before March 31, 2017. Please send current CV to Dr. Zhi NING's assistant Miss Kiwi ZHANG at [kiwizhang.cityu@gmail.com](mailto:kiwizhang.cityu@gmail.com). For more information, please contact her by email. The candidates may refer to the group website of <http://www.ninglab.org> for introduction of the research group.