

## **Acoustics Research – QUALITY OF LIFE DIVISION – NPL**

### **Teddington, Middlesex, United Kingdom**

NPL is the UK's national standards laboratory. We carry out fundamental research in a high-tech environment, developing measurement technologies, vital to improving quality of life, trade competitiveness, and protecting the environment

The Acoustics Group within our Quality of Life Division works on the measurement of sound (in air and water); acoustic emission, audiometry; medical and industrial ultrasonics; noise; modelling by finite-element techniques and development of new acoustical measuring instruments. The Group is expanding and accordingly a number of opportunities are now available to support this exciting period of growth and development.

### **SENIOR RESEARCH SCIENTIST** Ref: QL-2007-016-HRS

This role covers a wide range of topics. For this senior position you will need a good honours degree in physics and relevant industrial experience in acoustics and computing. A high degree of practical ability with a careful methodical approach and attention to detail, excellent interpersonal skills and strong customer focus are important aspects of the role. You will be expected to demonstrate self-reliance and self-motivation, the ability to think through solutions, flexibility, and have a track-record of timely delivery. A valid driving licence is preferable as occasional off-site work may be required.

This position will be working mostly in airborne acoustics, including software support for measurement systems (Visual Basic) and calibration databases (MS Access) used for our calibration services; development of bespoke solutions to acoustic measurement problems where your responsibility will be from initial enquiry through to development and delivery of the required solution. There will also be opportunities to lead, and contribute significantly to, research work.

### **SENIOR ACOUSTIC ENGINEER** Ref: QL-2007-017-SAE (2 year fixed term contract)

In this collaborative project you will work on a novel approach to environmental noise measurement using a large array of MEMS microphones. You must have experience in acoustics or noise measurement and be able to demonstrate a high degree of practical ability, ingenuity, motivation and self-reliance and have a track record of timely delivery. You are likely to hold a higher degree or equivalent and to be responsible for the delivery of work packages within this high profile project. These include testing of the novel transducers and developing a large scale array based on them, for use both in the laboratory and in the field, as well as software writing, liaising with partners and specifying some elements of the work.

### **RESEARCH SCIENTIST** Ref: QL-2008-28-RS

For this role you are likely to have a good degree in physics or a related subject and an interest in Acoustics, supported by practical experience.

You will operate on the provision of our UKAS accredited measurement and calibration services for external and internal customers, and provide measurement support for these services. The calibrations provided by NPL include those for audiometric devices, such as reference couplers, artificial ears and mechanical couplers: pistonphones and sound calibrators and microphones. Vital to this role are the ability to follow procedures with a careful and methodical approach to measurement and analysis of results, attention to detail, the ability to provide timely delivery, and strong customer focus. A valid driving licence is preferable as occasional off-site work may be required.

There will also be the opportunity to provide measurement support for research projects within NPL's portfolio, which covers a wide range of topics. You will work mainly within the sound-in-air area, but there will also be the opportunity to assist as required in taking measurements within the other areas of acoustics covered at NPL.

Based in a unique research environment, we offer state-of-the-art offices and laboratories, a competitive salary and excellent benefits.

NPL is located in pleasant surroundings on the edge of Bushy Park in South West London with a host of onsite facilities including a subsidised crèche, restaurant, and a lively sports and social club.

Full details and online application at [www.npl.co.uk/recruitment/current](http://www.npl.co.uk/recruitment/current) or email your CV quoting the appropriate reference to [recruitment@npl.co.uk](mailto:recruitment@npl.co.uk)

Closing date: 13<sup>th</sup> June 2008.

NPL Management Limited is committed to supporting their people to develop both personally and professionally and is committed to equal opportunities.