

Senior Research Scientist – Underwater Acoustics

Job Ref:
65892

Job Title:
Senior Research Scientist – Underwater Acoustics

Location:
Teddington

Type:
Permanent

Closing date:
30th March 2018

Job Description

The UK's National Physical Laboratory sits at the intersection between scientific discovery and real world application as one of the world's top three National Measurement Institutes. Every employee at NPL is central to achieving our aim of continuing to innovate and deliver scientific excellence. Our mission is to provide the measurement capability that underpins the UK's prosperity and quality of life.

Join the National Physical Laboratory (NPL) at an exciting time of growth where you will have a great opportunity to maximise Impact from science. We are bold and visionary and we believe anything is possible at NPL.

A permanent position exists for a Senior Research Scientist to work in the Ultrasound and Underwater Acoustics Group within the underwater acoustics area. NPL is world-leading in this area and has a suite of dedicated facilities – open tanks, an acoustic pressure vessel and an open-water site. This is a senior position and the ideal candidate will already be well-known in the field with a demonstrated high scientific profile. The successful candidate will play a key role in providing leadership for more junior scientists, as well as representing NPL nationally and internationally.

The main project areas are developing improved techniques for underwater acoustic calibration utilising specialised NPL facilities, and experimental techniques for ocean acoustic measurement. In addition, knowledge of marine environmental acoustics and data analysis techniques would be beneficial.

The ideal candidate will have PhD/MSc level qualification in Physics or Acoustics or equivalent, and will have several years' experience in this area. A good understanding of data analysis techniques is desirable, and experience with Matlab and/or LabView software packages would be beneficial. An aptitude for precise experimental work is also desirable, and the ability to problem solve and propose appropriate solutions, along with an understanding of the underlying physical principles is also important. The successful candidate will be able to communicate clearly, both verbally and in technical reports and proposals.

We actively recruit citizens of all backgrounds, but the nature of our work in this specific area means that nationality, residency and security requirements are more tightly defined than others.

Strong personal motivation with the ability to interact and network with collaborators and future customers, business awareness and an ability to work to deadlines within a team are prerequisites for the role. The successful candidate will also be expected to prepare project proposals, including costings, and to act as technical lead for projects.

Based in a unique, purpose-built research environment, we are located in beautiful surroundings on the edge of Bushy Park, south-west London with a host of onsite facilities. These include a subsidised crèche, restaurant and free parking.

NPL Management Limited is committed to supporting its people to develop both personally and professionally and is committed to equal opportunities. NPL Management Limited is a Stonewall Diversity Champion and an Institute of Physics Project Juno Practitioner.

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