

**CLIENT NAME:** Department of Industry, Innovation and Science

**Title:** Experimental Scientist - Acoustics, Ultrasound and Vibration Standards, NMI

**Location:** Sydney

**Classification:** Science and Technology, Chemistry and physics

**Work type:** full time

**Salary Range (\$)**\$71,228 - \$90,956

**Job applications will be sent to email/URL:** <http://careers.industry.gov.au/cw/en/listing/>

**Short Description:**

Join Australia's leading team in Acoustics, Ultrasound and Vibration measurement, maintaining and developing world-class facilities.

**Placement details:**

The National Measurement Institute (NMI), a division within the Department of Industry, Innovation and Science, is Australia's peak measurement body responsible for biological, chemical, legal, physical and trade measurement. NMI is internationally recognised as one of the world's leading national metrology institutes. Our 330 staff deliver cutting edge measurement services and research from unique facilities across Australia.

NMI's Acoustics, Ultrasound and Vibration Standards Group maintains Australia's primary measurement standards in these fields, providing Australia's highest level measurement services to clients in areas as diverse as medical ultrasound, aircraft noise and blast monitoring. The team is currently developing new capabilities to meet the demands of Australian industry and the community, such as measurements of infrasound and ultra-high shock and acceleration for applications in defence, safety and aerospace.

Working with the leading researchers in the field in Australia, you will:

- deliver timely, high-quality calibrations of microphones, acoustics calibrators, accelerometers, vibration analysers, etc., under an ISO17025 quality system, and at the highest levels of accuracy achievable internationally
- liaise with clients and develop effective relationships with key stakeholders in industry, the research community, and international standards laboratories
- use your broad physics and engineering skills to contribute both to the development of new calibration systems in the laboratory and to ongoing efforts to improve efficiency (for example by automating calibrations)
- be actively involved in contributing to ongoing research to understand, quantify, and reduce measurement uncertainties and validate new experimental techniques.

In the longer term you will be expected to develop deep and comprehensive knowledge of the field of acoustic and vibration measurement and of the operation, design and limitations of a wide range of relevant commercial and research equipment.

