

AD002 Postdoc: Applied Hypersonics

Location: Pullenvale, Queensland

Overview:

As an integrated team member of the Applied Hypersonic Branch, you will undertake complex scientific and engineering tasks related to the development, design, analysis and testing of hypersonic flight and ground test hardware. Under limited direction, specific activities will include, but are not limited to:

- Performing research related activities to assist in the development of hypersonic flight hardware and air-breathing propulsion.
- Developing novel cooling techniques for hypersonic air vehicles.
- Conducting experimental ground tests within hypersonic test facilities.
- Participating in hypersonic field trials.
- Designing flight and ground test hardware.
- Scientifically analysing and interpreting hypersonic flight and or ground test data.
- Documenting and presenting work in reports and at design reviews.

Academic Requirement:

A PhD in one of the following areas:

- Hypersonics
- Aerospace / Aeronautical / Mechanical Engineering

Other Role Specific Requirements:

Demonstrated experience, or ability, in any or all of the following areas:

- Hypersonic research;
- Ground and or flight testing;
- Experiment design and analysis;
- High temperature materials research;
- Work effectively within multidisciplinary test programs;

Notes:

Appointees will be initially engaged on a **BASELINE** security clearance with an upgrade to a **Secret/Negative Vetting 1 Security Clearance** required upon commencement.

Written Application Position Specific Question (400 words max)

Considering the above mentioned overview activities, how could you use your qualifications and skills to assist the Applied Hypersonics Branch?