

## Field Technician/Electronics Engineer

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<b>College/Division</b>	College of Sciences and Engineering (CoSE)
<b>School/Section</b>	Institute for Marine and Antarctic Studies (IMAS)
<b>Location</b>	Hobart
<b>Classification</b>	HEO 6
<b>Reporting line</b>	Research Associate - Glaciologist (Remote Sensing)

### Position Summary

We are seeking to appoint a Field Technician in the [Institute for Marine and Antarctic Studies](#) which is part of the [College of Sciences and Engineering, University of Tasmania](#).

The Field Technician position will contribute to the [Australian Antarctic Program Partnership](#) (AAPP) a new research program funded through the Antarctic Science Collaboration Initiative of the Department of Industry, Innovation and Science. The AAPP brings together government and non-government entities to deliver and lead a significant part of the national Antarctic science program. The partnership is led by the University of Tasmania (UTAS), and includes the Australian Antarctic Division (AAD), CSIRO Oceans and Atmosphere, Geoscience Australia, the Bureau of Meteorology (BoM), the Tasmanian State Government and Australia's Integrated Marine Observing System (IMOS).

The AAPP will carry out research to understand the role of the Antarctic region in the global climate system and the implications for marine ecosystems, by enabling collaborative research aligned with the [Australian Antarctic Science Strategic Plan](#) and Australian Antarctic Strategy and 20 Year Action Plan.

The Field Technician will be a member of Theme 1: Antarctica's Influence on Climate and Sea Level of the AAPP and is a supportive role, providing professional engineering knowledge and skills to the AAPP Ice Shelves Project 3 under Theme 1 responsible for observation and monitoring of the Antarctic Ice Sheet. The Field Technician will work closely with glaciologists (and other AAPP Theme 1 researchers) to commission, modify, and maintain systems for geophysical data collection, as well as assisting with the development of new tools for data analysis. The role will involve close collaboration with a team of scientists and would suit a technically resourceful engineer with good hardware and software skills.

This AAPP position is fixed term for a period of 2 years with the possibility of a 1 year extension.

The University of Tasmania is building a vision of a place-based University with a mission to enhance the intellectual, economic, social and culture future of Tasmania, and from Tasmania, contribute to the world in areas of distinctive advantage. The University recognises that achieving this vision is dependent on the people we employ as well as creating a people-centred University that is values-based, relational, diverse, and development-focused.

We are an inclusive workplace committed to 'working from the strength that diversity brings' reflected in our Statement of Values. We are dedicated to attracting, retaining and developing our people and are committed to inclusive principles. We celebrate the range of diverse assets that gender identity, ethnicity, sexual orientation, disability, age and life course bring. Applications are encouraged from all sectors of the community. Tell us how we can make this job work for you.

### What You'll Do

- Work alongside the AAPP science team to maintain existing geophysical instrumentation, design new systems for power and telemetry, and assist in installing and maintaining equipment in remote field locations. Instrumentation includes:
  - Autonomous phase-sensitive radar
  - GPS
  - Automated weather stations



- Other geophysical methods including self-potential, TDR, magnetometers/gravimeters
- Assist with software development and programming for data communications, upload, download and analysis.
- General field and equipment support, including packing of equipment, inventory maintenance and general clerical assistance.

#### What We're Looking For (success criteria)

- A degree in engineering majoring in electronics.
- Experience and expertise in design, implementation and testing of analogue and digital electronic circuits and systems, including the ability to fault find and calibrate modern electronic instrumentation.
- Proven team building skills, with the ability to work independently and constructively.
- Demonstrated commitment to producing and maintaining high quality technical documentation in a timely manner.

#### Other position requirements (desirable)

- Experience with formal software development tools and experience in using and administrating modern Linux and Windows operating environments.
- Experience with the instrumentation listed.
- Visiting and working in the field in remote locations - Because the successful applicant may be expected to work in Antarctica, applicants for this position will be required to be certified as fit for Antarctic Service by the Australian Antarctic Division's Polar Medicine Branch (and/or medical officers representing other partner organisation) after tests conducted by or on behalf of a Commonwealth Medical Officer or other medical authority.

#### University of Tasmania

The University of Tasmania is an institution with an enduring commitment to our state and community, and a strong global outlook. We are committed to enhancing the intellectual, economic, social and cultural future of Tasmania. Our [Strategic Direction](#) strongly reflects the University community's voice that our University must be place based but globally connected as well as regionally networked and designed to deliver quality access to higher education for the whole State.

We believe that from our unique position here in Tasmania we can impact the world through the contributions of our staff, students and graduates. We recognise that achieving this vision is dependent on the people we employ, as well as creating a university that is values-based, relational, diverse, and development-focused.

Check out more here:

<https://www.utas.edu.au/jobs>

<https://www.utas.edu.au/careers/our-people-values-and-behaviours>

*The intention of this position description is to highlight the most important aspects, rather than to limit the scope or accountabilities of this role. Duties above may be altered in accordance with the changing requirements of the position.*

