Autonomous Maritime Systems - Technical Officer

**College/Division**  
College of Sciences and Engineering (CoSE)

**School/Section**  
Australian Maritime College (AMC) – Centre for Maritime Engineering and Hydrodynamics (CMEH)

**Location**  
Launceston

**Classification**  
HEO6

**Reporting line**  
Reports to Facility Manager, Autonomous Maritime Systems Laboratory

**Position Summary**

The University of Tasmania is building a vision of a place-based University with a mission to enhance the intellectual, economic, social and cultural 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 seeking to appoint a Autonomous Maritime Systems (AMS) - Technical Officer within the within the Centre for Maritime Engineering and Hydrodynamics as part of Australian Maritime College.

The Australian Maritime College (AMC) is a specialist institute of the University of Tasmania and is a world leader in maritime education, training and research. Our vision is to inspire and shape the maritime world and our aim is to lead real change. The Autonomous Maritime Systems Laboratory (AMSL) is responsible for research, commercial and defence activities of a variety of Autonomous Maritime Systems (AMS) operated by UTAS. This includes the long-range explorer nupiri muka, smaller AUVs, remotely operated vehicles, and autonomous surface vessels. AMSL also directly supports teaching and student research activities.

The AMS Technical Officer supports the operation, development, and maintenance of AMS vehicles and equipment. Through technical skills they help enable academics, students, technical staff, and external clients to conduct complex AMS research and activities.

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**

The AMS Technical Officer will participate in the planning and execution of Autonomous Maritime Systems (AMS) research programs through:

- Provide Technical support to AMS operations and deployments.
- Application of technical skills related to complex AMS research and activities.
- Maintain documentation and procedures to ensure they comply with organisational policies and procedures, current industry standards and external regulatory frameworks.
- Contribute to the ongoing maintenance, repair, and upgrade of research facility assets, applying best practice asset management principles.
- Technical support for AMS vehicles and other AMSL equipment.
- Provide technical and operational support to students and stakeholders including external clients (e.g. RAN).
- Assist in the development of relevant academic journal papers and associated documentation.
- Undertake workplace health and safety activities, including audits of vessels, facilities and equipment.
Ensure the accurate completion of associated documentation including the lodgement of corrective action work requests and hazard reporting to ensure compliance with current industry standards.

- Assist with the preparation and management of budgets for projects, raise purchase orders for equipment and consumables.
- Undertake all other reasonable duties as assigned by the supervisor.

**What We’re Looking For (success criteria)**

- A degree in a discipline relevant to Autonomous Maritime Systems,
  - Engineering – ocean/computer/electrical/mechatronics
  - Naval Architecture
  - Information and Communication Technology
  - Or significant industry experience
- Demonstrate leadership skills and an ability to work in a team environment.
- Effective communication skills.
- Well-developed organisational skills.
- Ability to work effectively with minimal supervision.

**Desirable Attributes**

- Experience working with Autonomous Maritime Systems in the maritime environment.
- Experience in robotics, mechatronics, software development or electronics.

**Other position requirements**

- Current Working with Vulnerable People registration (or ability to obtain)
- Regular travel required between campuses (e.g. Newnham and Beauty Point).
- Regular intrastate travel and occasional interstate travel.
- Ability to undertake international travel.
- Certificate of Competency Coxswain (highly desirable).
- Required to undertake field work in remote and isolated locations.
- Laboratory and workshop activities requiring handling of hazardous substances.
- Undertake manual handling and lifting >10kg.

**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.

More information:

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


*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.*