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| <b>POSITION TITLE</b> | Research Associate<br>Physical Oceanography   Ocean Climate   Sea Level |
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| <b>FACULTY/INSTITUTE/DIVISION</b> | Institute for Marine and Antarctic Studies (IMAS)                                    |
| <b>SCHOOL/SECTION</b>             | Oceans and Cryosphere (O&C)                                                          |
| <b>CAMPUS</b>                     | CSIRO Aspendale, Melbourne, Victoria and IMAS Waterfront Building, Hobart, Tasmania. |
| <b>CLASSIFICATION</b>             | Level A/B                                                                            |
| <b>DATE</b>                       | March-April 2018                                                                     |

#### POSITION SUMMARY

[Open to Talent](#), the University of Tasmania's strategic plan, sets a bold vision for the future, with high ambitions across the domains of research, students and community. UTAS recognises that achieving this vision is dependent on the people who work for the University. This position is one of a number being created in 2017 to recruit outstanding academics who will make a substantial contribution to the University's future.

IMAS is a leading global institution for temperate marine, Southern Ocean, and Antarctic studies, and offers a dynamic and collaborative work environment. Hobart's marine and Antarctic research community numbers about 1000 staff at the University of Tasmania, the Commonwealth Scientific and Industrial Research Organisation Marine and Atmospheric Research, and the Australian Antarctic Division. The University provides excellent employment benefits and a pleasant working environment, while Hobart offers an unparalleled lifestyle with a vibrant culture and unique natural environment. The appointee will be located in the IMAS Waterfront Building on the Hobart wharf, and will be attached to the IMAS Centre for Oceans and Cryosphere.

The Postdoctoral Associate will play a significant role in conducting research linked with an ARC Discovery Project on "Understanding spread in regional sea level rise projections: the role of changing ocean properties and circulation processes", under the guidance of three Chief Investigators (UTAS, UNSW), a partner investigator (CSIRO), and formal international collaborators, including Prof Jonathan Gregory (Univ. Reading), A/Prof Laura Zanne (Oxford Univ.), Dr Steve Griffies (GFDL/NOAA) and other members of the CMIP6-endorsed Flux-Anomaly-Forced Model Intercomparison Project. The successful candidate will be employed by UTAS but will be primarily based at the CSIRO premises in Aspendale, Melbourne Victoria, and may require to spend periods of time at the IMAS Centre, Hobart Tasmania, interstate (UNSW, Sydney, NSW) and/or internationally (Univ. Reading, UK or Princeton/GFDL, USA). We have strong national connections, ARC Centre of Excellence in Climate Systems Science, the ACE CRC and Antarctic Gateway Special Research Initiative.

The University's Statement of Values indicates a commitment to 'working from the strength that diversity brings'. The University is committed to increasing diversity through its recruitment policies and practices. In particular, women are especially encouraged to apply for this position.

## POSITION RELATIONSHIPS

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Supervisor</b>     | Drs Catia Domingues (IMAS), Will Hobbs (ACE CRC), Jan Zika (UNSW) and Simon Marsland (CSIRO)                                                                                                                                                                                                                                                                                                                                                               |
| <b>Direct reports</b> | Nil                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Other</b>          | <p>The successful candidate must relate effectively with:</p> <ul style="list-style-type: none"><li>• Executive, academic and professional staff at IMAS, ACE CRC and across UTAS</li><li>• Executive, academic and professional staff at CSIRO Oceans &amp; Atmosphere and University of New South Wales</li><li>• National and international project collaborators</li><li>• Government and community stakeholders</li><li>• Media as required</li></ul> |

## KEY ACCOUNTABILITIES AND OUTCOMES

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| 1. | Make an effective and sustained contribution to the University in achieving its strategic objectives and fulfilling its operational responsibilities, by playing a leading role in the success of the Discovery Project research plan on “Understanding Spread in Sea Level Rise Projections”.                                                              |
| 2. | Undertake high-quality research of national and increasingly of international standing, publish research findings in peer-reviewed journals, and contribute to the successful (co-)supervision of research higher degree students, in order to meet and regularly exceed the University’s research performance expectations for the appointed Level A or B. |
| 3. | Take major responsibility for conducting research to ensure that ARC Project reporting requirements are fulfilled and deadlines met, and also contribute to public communications to disseminate research findings in collaboration with Project investigators.                                                                                             |
| 4. | Contribute to the development and maintenance of productive and effective links inside the University and locally and inter/nationally with the discipline, relevant interdisciplinary domains, profession, and/or wider community.                                                                                                                         |
| 5. | Undertake other duties as assigned by the supervisory team, in accordance with the duties for an academic at the appointed level.                                                                                                                                                                                                                           |

## DECISION MAKING AUTHORITY/LEVEL OF RESPONSIBILITY

Under the broad direction of the supervisor and within the context of the University’s policies and performance expectations, the appointee has a substantial degree of autonomy.

## POSITION CRITERIA

### Essential Requirements

1. A PhD or equivalent in a relevant field (physical oceanography, mathematics, physics, meteorology, etc).
2. Research record that has made quantitative contributions to science in physical oceanography, meteorology, physics or maths, demonstrated by quality publications and/or presentations at conferences.
3. Demonstrated experience with high performance computer and scientific programming skills (Python, Matlab, R, Ferret, etc), including shell scripting.
4. Demonstrated ability to process and analyse large datasets.
5. Demonstrated skills in statistical analysis of geophysical data, from observations and/or models
6. Demonstrated ability to work individually and as part of a team with limited supervision, and to demanding timelines to meet individual and collective project goals, while being flexible with the approach to work.
7. Sound organisational skills with a demonstrated capacity to act with initiative and to work effectively within an interdisciplinary environment.
8. Demonstrated well-developed written and oral communication skills.
9. A record of contributing to building and maintaining effective and productive links with scientific colleagues and wider community.

### Desirable Attributes – Experience in:

10. Ocean and/or climate modelling
11. Student co-supervision, mentoring or school or university-level teaching
12. Media and public engagement communication
13. Securing external competitive research funding

## WORKPLACE HEALTH AND SAFETY

- All staff will assist the University to create and maintain a safe and healthy work environment by working safely, adhering to instructions and using the equipment provided in accordance with safe operating procedures. Where appropriate, staff will initiate and participate in worksite inspections, accident reporting and investigations and develop safe work procedures.
- All supervising staff are required to implement and maintain the University's WHS Management System in areas under their control, ensuring compliance with legislative requirements and established Policies, Procedures and Guidelines and, provide the appropriate information, instruction, training and supervision.
- Staff will inform their supervisor of any unsafe working practices or hazardous working conditions

## STATEMENT OF VALUES



We subscribe to the fundamental values of honesty, integrity, responsibility, trust and trustworthiness, respect and self-respect, and fairness and justice. We bring these values to life by our individual and collective commitment to:

- \* Creating and serving shared purpose
- \* Nurturing a vital and sustainable community
- \* Focusing on opportunity
- \* Working from the strength diversity brings
- \* Collaborating in ways that help us be the best we can be