

Agricultural Systems Modeller

College/Division	College of Sciences and Engineering
School/Section	Tasmanian Institute of Agriculture
Location	Launceston
Classification	Level C
Reporting line	Centre Leader for Agricultural Systems

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 an Agricultural Systems Modeller in the [Tasmanian Institute of Agriculture](#) which is part of [The College of Sciences and Engineering](#).

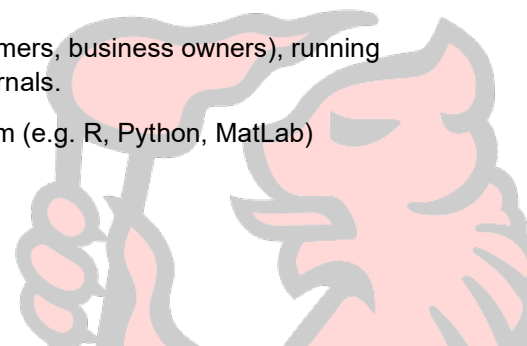
The role involves leading or participating in research to model crop and livestock production systems. These research activities will assist the agricultural and food sectors in Tasmania in making complex decisions actionable, especially on-farm decisions related to climate change and carbon neutrality. The role also involves the teaching of modelling in an agricultural systems unit delivered to undergraduates and postgraduates.

The position will be located in Launceston. It will be offered for a two-year initial period.

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

- Deliver learning and teaching of agricultural systems modelling, in the Institute's undergraduate and postgraduate teaching programs including the Bachelor of Agricultural Science and Master of Applied Science.
- Conduct systems research with a range of agricultural models (e.g. APSIM, DairyMod, DayCent) and tools.
- Take a leading role in carbon-neutral livestock systems research and use/develop crop and livestock greenhouse gas accounting tools.
- Design and lead key projects which includes working autonomously and the effective leadership of others involved in the project/s..
- Conduct training workshops with the agricultural community (e.g. farmers, business owners), running and developing livestock systems models and publishing work in journals.
- Manipulate large data-sets in Microsoft Excel or other coding program (e.g. R, Python, MatLab)



What We're Looking For (success criteria)

- A PhD or equivalent in a relevant field.
- Experience of the delivery of teaching to undergraduate or postgraduate students, either face to face or online.
- Refereed publications and a track record of research funding success in a field of agricultural systems modelling.
- Demonstrable evidence of engaging and interacting with farmers and the agricultural community.
- Experience in both the design and leading of projects.
- Excellent communication and interpersonal skills, ability to work independently and in teams.
- Capacity to build and maintain effective and productive links locally, nationally, and internationally with the discipline, interdisciplinary domain, profession, industry and/or wider community.

Other position requirements

- Current driver licence
- Experience with livestock production systems (e.g. beef, sheep, dairy).
- Experience in supervising PhD students
- Regular intrastate travel.
- Willingness to undertake a medical assessment based on meeting the inherent position requirements.

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.

