UNIVERSITY of TASMANIA

Position Description

POSITION TITLE	Fellow in Timber Production and Processing

FACULTY/INSTITUTE/DIVISION	College of Sciences and Engineering
SCHOOL/SECTION	School of Technology, Environments & Design
DISCIPLINE/CENTRE	Architecture & Design
CAMPUS	Inveresk Precinct, Launceston
CLASSIFICATION	Level B/C

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 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.

The Discipline of Architecture & Design and School of Engineer seek to appoint a Level B/C Research Fellow in Architecture & Design's Centre for Sustainable Architecture with Wood (CSAW).

Architecture & Design is one of three disciplines in the School of Technology, Environments & Design, in the University of Tasmania's College of Sciences & Engineering. The School has articulated a clear purpose to be a design, technology and science enterprise of global reach and Tasmanian relevance, underpinned by design and technological innovation, and integrating social and physical sciences.

Architecture & Design is located at the Inveresk Precinct in Launceston, in Tasmania's north and provides an interdisciplinary research and teaching environment, underpinned by strong commitment to environmental sustainability, social responsibility, and sensitivity to regional contexts. An ambitious Northern Transformation Program (NTP), supported by Federal and State Government funding, is currently focused on redevelopment of the Inveresk Precinct and will see the establishment of new world-class research and teaching facilities, including a new Institute for Applied Science and Design (IASD). The Northern Transformation is also supporting closer integration between the University, industry and community and is providing significant economic stimulus to the region.

CSAW is an industry-funded, strategic research facility of the Discipline of Architecture & Design. Its mission is to foster the use of timber as a building material that is efficient, economic, environmentally sustainable and socially responsible. It conducts a range of education, extension and research projects in Tasmania and nationally. It is actively involved in the Northern Transformation Program and is likely to form part of the IASD.

The Research Fellow is part of CSAW's multi-disciplinary team and will be responsible, in association with the Director CSAW and other CSAW staff, for:

- Securing research, development and extension projects and delivering their outcomes.
- Effective engagement and collaboration with industry members, building design professionals, external research providers, and other stakeholders.
- Integration of CSAW activities in the objectives of the Northern Transformation Program.
- Provide leadership and training to CSAW's research and technical staff.
- Targeted undergraduate and postgraduate teaching in CSAW and the School of Engineering.

The position will focus on research projects approved by the National Institute for Forest Products Innovation (NIFPI) and other industry-focused programs and on targeted teaching in the School of Engineering.

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 and celebrate the range of diversity assets which gender identity, ethnicity, sexual orientation, disability, age and life course bring. Applications are encouraged from all sectors of the community.

POSITION RELATIONSHIPS	
Supervisor	Director, CSAW and Dean of School of Technology, Environments & Design.
Direct reports	
Other	The incumbent must be able to also relate effectively with: - Other CSAW, Architecture and Design, and Engineering staff. - Assoc Head Research and Discipline Leaders in the School of Technology, Environments & Design and in Engineering - Other School of Technology, Environments & Design and Engineering staff, students and HDR candidates. - Members of other University Schools/Sections. - Timber and building industry participants. - External research and funding bodies. - Government, Industry and Community representatives.

KEY ACCOUNTABILITIES AND OUTCOMES	
1	Make an effective and sustained contribution to the University and CSAW in achieving its strategic objectives and fulfilling its operational responsibilities.
2	Meet and regularly exceed the University's research performance expectations for Level B/C through securing, conducting and reporting the findings of research and extension projects into the conversion of logs into wood products, the products' behaviour in the supply chain, and their performance and use in buildings and other structures.
3	Plan, establish and manage industry and laboratory-based trials including assessments, managing technical and industry production personnel, and maintaining collaborator support and engagement.
4	Translate research and practice finding into processes or methods usable by industry and the building design professions and communicate them to external stakeholders through international refereed journals, industry publications, conferences, seminars, and other means.
5	Effectively engage and collaborate with industry members, building design professionals, external research providers and other stakeholders active in the timber and wood products and partner supply chains to ensure that research funds are secured and research needs are met.
6	Develop and maintain productive and effective links across the University and externally, particularly with industry, government and other stakeholders.
7	Undertake high-quality undergraduate and possibly postgraduate coursework teaching. This may include teaching into first and second year Civil and Structural Engineering units domestically and overseas.
8	Contribute to curriculum development in line with technology advances and the requirements of professional accreditation, particularly Engineers Australia Accreditation of Masters program in Civil and Structural Engineering.
9	Significantly contribute to CSAW's successful and continuing operation and maintenance of its profile with external stakeholders.

10	Participate in the successful supervision of research higher degree students.
11	Manage other research support activities that contribute to achieving the Centre's strategic research objectives, including research-related administration, operational and budgeting tasks.
12	Undertake other duties as assigned by the Director CSAW, including undergraduate and postgraduate coursework teaching in the relevant field.

DECISION MAKING AUTHORITY/LEVEL OF RESPONSIBILITY

Tasks and research activities are performed under the general direction of the supervisor, either independently or as a member of a team. Within the context of University policies and performance expectations, the appointee will have a substantial degree of autonomy in directing and conducting day-to-day activities.

POSITION CRITERIA

Essential Requirements

1. A PhD in Engineering or equivalent in timber processing, materials engineering or building research.
2. Demonstrated ability to work and productively contribute to a collaborative, multidisciplinary research team and to external stakeholder partnerships.
3. Demonstrated ability to write applications to secure external competitive and other funding.
4. Demonstrated experience in planning, establishing and conducting materials and building-related collaborative research projects, including quantitative analysis.
5. Proven ability to finalise and communicate the results of research, development and extension projects, as evidenced by a strong completion record and publication history.
6. Experience in setting priorities, allocating resources and supervising research and technical staff with discretion and sound judgement.
7. A record in, and continuing commitment to, research demonstrated by publication in scientific and industry journals, as well as presentations at conferences, workshops and field days.
8. A demonstrated ability to building and maintaining effective and productive external stakeholder partnerships with industry, partner professionals, academics, and wider community.
9. Demonstrated high-level English language oral and written communication skills and research-related administration skills.
10. Proven experience in high quality university-level teaching and learning.

Desirable Attributes

1. Experience in University-level learning and teaching.
2. Experience in supervision or co-supervision of student research projects.
3. Industry or professional experience relevant to the position.
4. Experience in unit and program development especially at postgraduate level.
5. Engineers Australia Chartered Professional Engineering qualification or equivalent

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.
- Our approach to safety management is ensuring firstly everything goes right through an understanding and proactive investigation of everyday activities. Our focus is to intervene before a hazard or incident is raised and respond early to required changes.

- All staff will inform their Supervisor of any unsafe working practices or hazardous working conditions.
- 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.

UTAS VALUES AND BEHAVIOURS

UTAS 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

Our University Behaviour Policy sets out these values, standards and expectations for appropriate behaviour that apply to all employees and characterise the collegial and community nature of our University.