



THE ROYAL  
SOCIETY OF  
TASMANIA

THE ADVANCEMENT  
OF KNOWLEDGE

# The Royal Society of Tasmania

INVITES YOU TO

A PUBLIC LECTURE BY

## PhD Candidates from Centre for Architectural Science Tasmania (CAST) From Mouldy Houses to Drying Timber

when: **1.30 pm Sunday 28th August 2022**

**Full COVID vaccination and the wearing of face masks are highly desirable**

where: **Meeting Room, QVMAG at Inveresk**

admission: **free for members of the Royal Society of Tasmania**

**\$6 general admission**

**\$4 for students, QVMAG or TMAG Friends, and  
members of Launceston Historical Society**

**for Zoom webinar, register at [rst.org.au/](https://rst.org.au/)**

**Dr Mark Dewsbury** will briefly introduce the Centre for Architectural Science Tasmania (CAST). This will be followed by presentations by three current PhD candidates.

**Rhys Tanton** has been investigating the drying processes of Tasmanian Blackwood, *Acacia melanoxylon* (R.Br). His research has found correlation between environmental factors and discoloration; he aims to identify causes, and methods to minimize process induced discoloration.

**Freya Su** investigates climate data and its current relevance for hygrothermal simulation. In the new climate era with more intense storms and longer periods of rainy weather, wind-driven rain is becoming more common. However, rain data is not currently included in most Australian hygrothermal analyses; ignoring it is no longer an option.

**Jack Tan's** research explores retrofitting to improve existing Australian dwellings towards near net-zero goals, focusing on local and international Indoor Environmental Qualities standards and green rating tools. The research goal is to inform energy efficiency and health and wellbeing impacts on Tasmania's pre-2004 timber housing.



Generously supported by



2022 Launceston Lecture Series