



NOCTURNA

A DARK SKY PARTY AT SPRING BAY MILL

SATURDAY 14 AUGUST

3PM Doors Open

3:45PM Welcome to Country

4PM Professor Brian Schmidt

5PM Countdown to Sundown Performance

5:26PM Sunset

6PM Dark Sky Tasmania Talks

6:30PM Astrophotography Workshop (ticketed)

7PM Theresa Sainty

7:20PM Dr Lila Landowski

8:45PM Chasing Auroras talk with Cam Blake and Luke O'Brien

Live Music from 5PM

Snacks and Bars from 3PM

Meals from 5PM

Merriment til late



BEAKER STREET

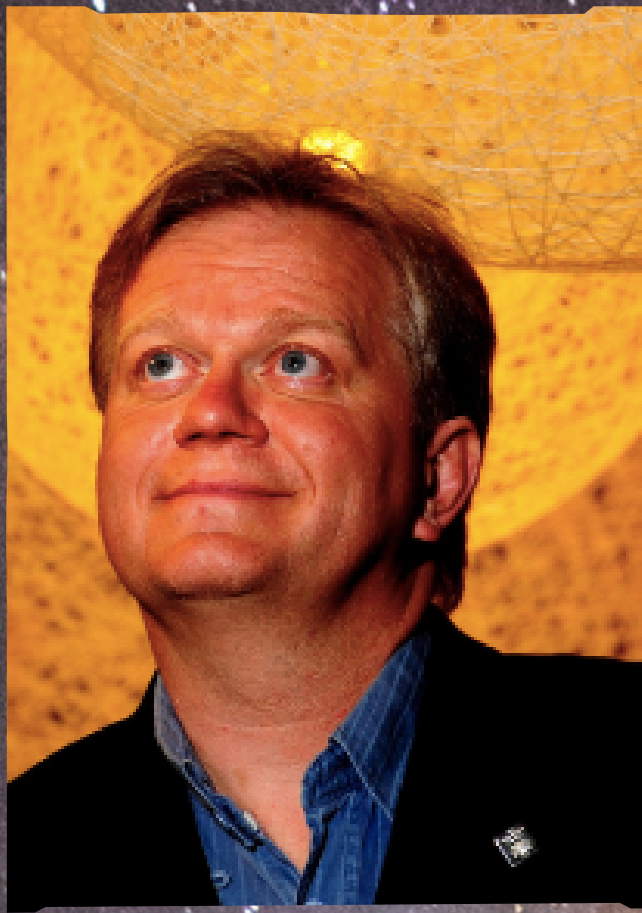


Image by Cam Blake



City of HOBART





Professor Brian Schmidt – 4pm, Tin Shed
Keynote address

Professor Brian Schmidt AC FRS FAA is an astronomer, Nobel laureate, and the Vice-Chancellor and President of the Australian National University. One of Australia's most eminent scientists, Professor Schmidt shared the 2011 Nobel Prize in Physics for observations of distant supernovae (exploding stars), leading to the discovery of the accelerating expansion of the universe. In addition to his work on supernovae, Professor Schmidt also chases after Gamma Ray Bursts, and led the team that built SkyMapper, a state-of-the-art, wide-field survey telescope that aims to create the first comprehensive digital survey of the entire southern sky.



Gabriella Allegretto – 6pm, Tin Shed
Access to dark skies and light pollution as emerging environmental justice issues

Light pollution is becoming a major topic of research and addressing light pollution is an emerging priority for policy and practice. Yet light pollution issues are intertwined with another important concept – dark skies. Addressing light pollution, at least in part, aims to restore access to dark skies for humans and non-humans alike.

Gabriella Allegretto is a PhD candidate with the University of Tasmania. Her research is about accessibility to dark skies and exposure to light pollution as environmental justice issues. She is also a board member of Dark Sky Tasmania (DST) and a youth ambassador for the Australasian Dark Sky Alliance (ADSA).



Landon Bannister – 6pm, Tin Shed
It's light Jim but not as we know it

We are a diurnal species and, like much of the wildlife with which we share our planet, have evolved and adapted with the natural cycle of night and day. The excessive over lighting of our planet is destroying this balance and undermining the very reason we have outdoor lighting in the first place. The good news is light pollution is the easiest of all pollutants to reverse. This talk will explore the simple actions we can all take to mitigate the impact of outdoor lighting on the environment and improve the quality of nocturnal life for all.

Landon Bannister is a passionate advocate of the important role light plays in influencing human health and emotion, and how this relates to the natural world. He sits on the local Chapter Management Committee for the Illuminating Engineers Society VIC/TAS, is the founder of Dark Sky Tasmania Inc., and is a board member and technical chair of the Australasian Dark Sky Alliance.



Theresa Sainty – 7pm, Tin Shed
The night skies of lutruwita

The Aboriginal people of Australia were the world's first astronomers, describing the celestial bodies and cyclical phenomena of the night sky, and drawing meaning from their observations. Hear from Theresa Sainty about some of this ancient knowledge and unbroken connection to the natural world.

Theresa Sainty is a Pakana woman. Theresa has worked extensively with the Tasmanian Department of Aboriginal Education Services, where she co-developed and provided Aboriginal Cultural Awareness training, and produced a number of curriculum; and also Aboriginal Linguistic Consultant with the palawa kani Language Program. Theresa recently began a Senior Indigenous Research Scholarship at UTAS.



Dr Lila Landowski – 7:20pm, Tin Shed

The neuroscience of sleep and dreams

When the sun goes down, our urge to sleep goes up. But why should we care? Well, for starters, inadequate sleep is the reason doing shift work is considered a “probable carcinogen” according to the World Health Organisation. Yikes! Join Dr Landowski and learn about the neuroscience of sleep, and what goes wrong when we don’t get enough. And on the topic of sleep – do you think that dreams are a mystical window into your future? Well, join us and find out what your dreams really mean.

Dr Lila Landowski is a multi-award winning neuroscientist and lecturer, an Executive Director of the Australian Society for Medical Research, a Director of Epilepsy Tasmania, as well as a regular guest expert science communicator for the ABC. Lila’s research background spans across stroke, nanotechnology, fatigue, dementia, and nerve regeneration. Lila has a strong personal focus on community health and wellbeing, and making the wonderful world of science more accessible to the community through radio, TV, public talks and in print and digital media.



Cam Blake and Luke O'Brien

TALK – 8:45pm, Tin Shed

Chasing Auroras: Finding and photographing the Southern Lights, Milky Way, and everything-in-between

A presentation on how to search, locate, understand and capture the amazing night skies of lutruwita/Tasmania, including the Aurora Australis.

TICKETED WORKSHOP* *Capturing Dark Skies: A Guide to camera settings to photograph the Milky Way & Southern Lights* – 6:30pm, meeting place to be confirmed

*Pre-booking required

Participants will need to bring their camera, preferably a DSLR with wide angle lens (24mm or wider). They will also need a tripod, extra battery and memory card.



Cam Blake is a Landscape/Wilderness photographer located in Hobart. Cam has captured many images of Tasmania’s amazing dark skies and has had numerous images of the Southern Lights and Milky Way published, including in the Australian Geographic magazine. Cam runs multi-day workshops all over Australia teaching budding photographers the tools and tips to help capture our beautiful country.

Luke O’Brien has been photographing Tasmania’s wonderful natural environment for nearly two decades now and has a large body of work including landscape, macro and the night sky. Luke has had a great interest in the night sky for many years, and the aurora in particular holds a special fascination. Luke’s aurora at Coles Bay image featured on an Australia Post stamp, and he was featured in an ABC TV “Aurora Chasers” special which aired in 2015.



PLUS

Welcome to Country by Theresa Sainty at 3:45pm

Telescopes & Astronomers

East Coast Food & Drink served all night
and

Music from Brian Ritchie, Blaise Garza, Emily Sheppard,
Hayato Simpson, Yyan Ng, and Karlin Love, including a very special
Countdown to Sundown performance.

Image by Cam Blake

NOCTURNA

IS PRESENTED BY BEAKER STREET FESTIVAL IN ASSOCIATION WITH



Image by Cam Blake