

# ASTROFEST '19



## WELCOME TO THE ASTROFEST 2019 ASTROPHOTOGRAPHY EXHIBITION

The Astrofest 2019 Astrophotography Exhibition celebrates its first decade and once again, the exhibition showcases the superb accomplishments of Western Australian astrophotographers. The exhibition is premiered at Astrofest, Western Australia's biggest annual astronomy festival, and then tours at various regional events throughout the year, including the Museum of Geraldton (Western Australian Museum), since 2015, and the Mount Magnet Astro-rocks festival, since 2013. More than 30,000 visitors have enjoyed the exhibition to date, with 30 exhibitions throughout Western Australia since 2009.

This year's entries include deep space images shown in extraordinary detail and colour, using telescope-based imaging combined with the power of sophisticated image processing. Deep space and planetary images are complemented by astronomical landscape images which record the cosmos above a myriad of locations throughout Western Australia and beyond.

Our eminent judges, Dr David Malin, Prof. Peter Quinn (ICRAR), Prof. Andreas Wicenec (ICRAR), and Mr Patrick Baker have each provided expert and critical appraisal, selection and judging. For the 2019 exhibition, the judges have awarded the Best Astrophoto (sponsored by Camera Electronic), Best Astro Landscape, Best Timelapse, Best New Talent Award (sponsored by Pendoley Environmental) and for 2019 only, the Houtman 400+ Southern Cross Award, for the best image of the Southern Cross. The Houtman 400+ award is sponsored by the Batavia Coast Maritime Heritage Association, and the award commemorates the 400th anniversary of Frederik de Houtman and Jacob D'Edel "discovering" the southwest corner of the Australian continent. Public voting in the lead up to Astrofest determines the People's Choice award. A record number of entrants entered their images in 2019—a big thank you to everyone that contributed! Thanks also to the judges, and our sponsors Curtin University, the International Centre for Radio Astronomy Research (ICRAR), CSIRO, Scitech, Camera Electronic, Shoot Photography Workshops, Pendoley Environmental, Batavia Coast Maritime Heritage Association and our associates, The World at Night and Celestial Visions. The Universe is yours to discover, enjoy the exhibition!

### **Dr John Goldsmith**

Astrofest Astrophotography Curator 2009-2019

**NOTE: A SELECTION OF EXHIBITED ENTRIES ARE PRESENTED AS EXHIBITION PRINTS, AND OTHERS ARE PRESENTED IN DIGITAL FORMAT.**

**COVER PHOTO: 'NGC 6188 - THE FIGHTING DRAGONS' BY BRENDAN MITCHELL**

# ASTRONOMICAL LANDSCAPES



**The Augustar**  
Paean Ng



**Lost City**  
Scott Murray



**Edith Falls, Northern Territory**  
Scott Murray



**Lunar Eclipse & Aligned Ellipses, View from Fremantle Roundhouse**  
Dr John Goldsmith



**Staircase to Venus, Gantheaume Point, Broome**  
Martin Grasl



**The Tree of Life**  
Sandino Pusta



**WA Night Sky Timelapse While Battling the Clouds**  
Stephen Humpleby



**The Red Glow**  
Stanley Aryanto



**Lake Dumbleyung**  
Jon-Paul Bullard

**Kalbarri Kontemplation**  
Luke Hetherington



**Milky Way through a different lens**  
Paul Cooper



**Wydaup Rocks Lightning**  
Liz Barker



**Crowdy Head Storm, New South Wales**  
Jon-Paul Bullard



**Trailing**  
Matthew Reilly



**Stars and Satellites,**  
**Annapurna Base Camp, Nepal**  
Pete Gardner



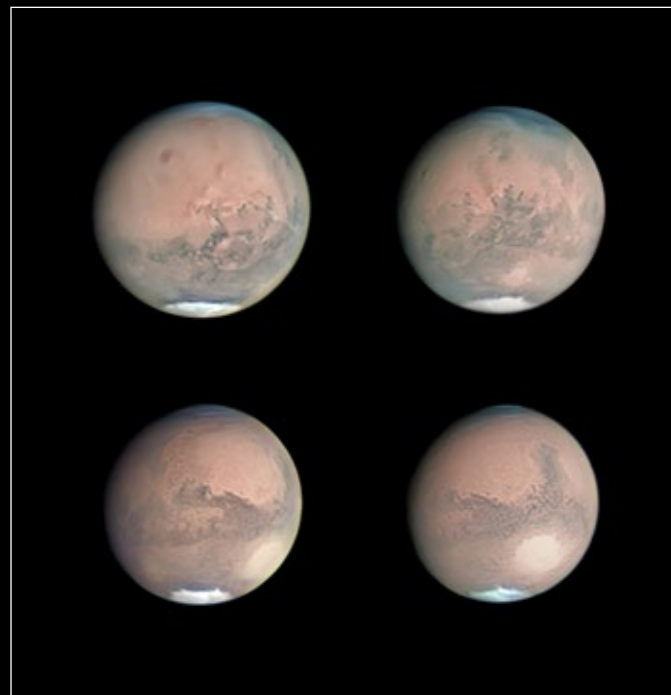
**A Night Sky of Dreams**  
William Vrbasso



**Sugarloaf Rock**  
Liz Barker



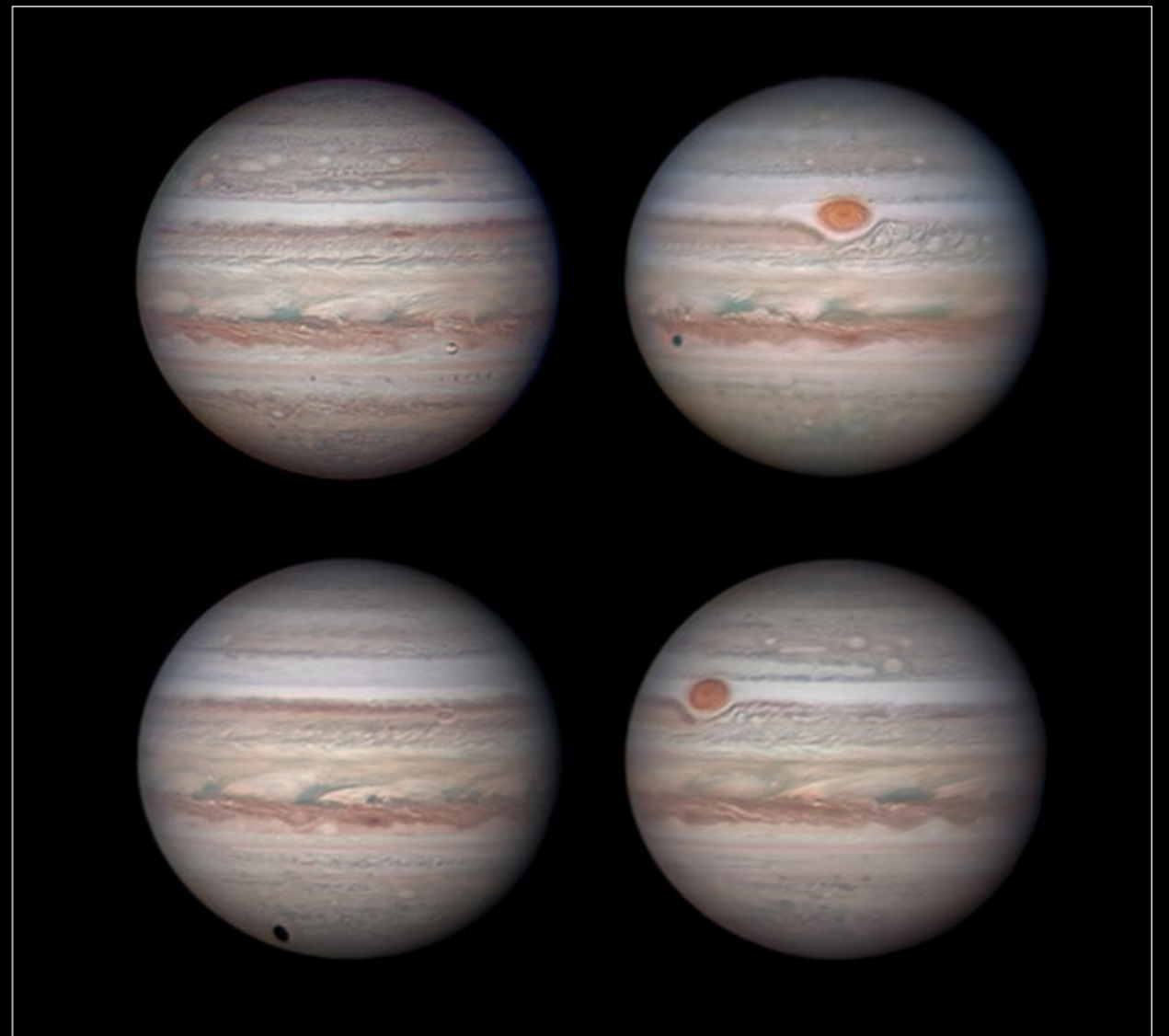
Lunar Eclipse  
Martin Grasl



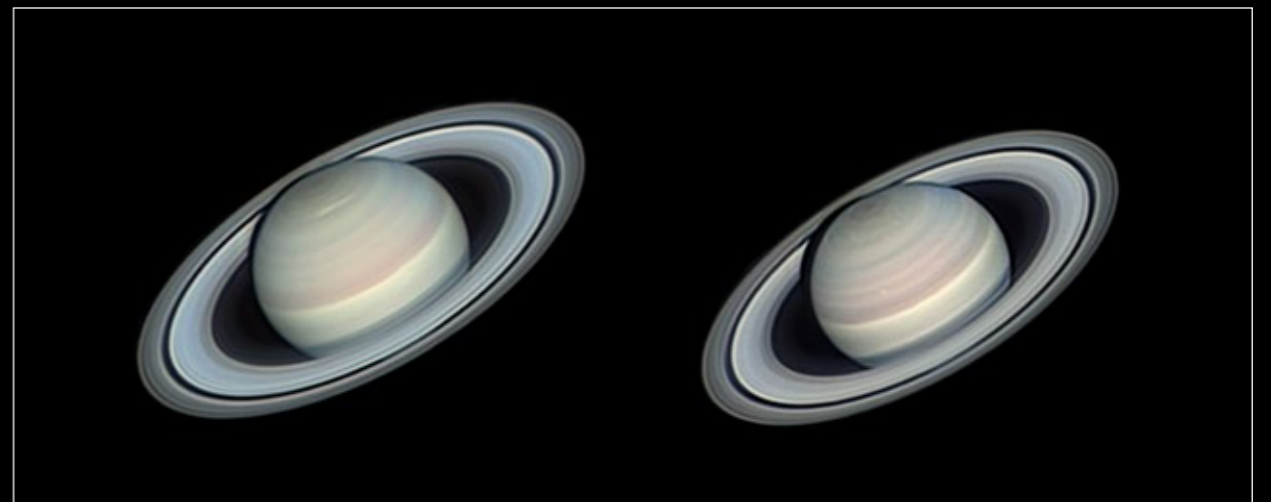
Mars Revealing Its Craters  
Brett Turner



A Trio of Planets  
Brett Turner



Jupiter, King of the Planets  
Brett Turner



Saturn  
Brett Turner



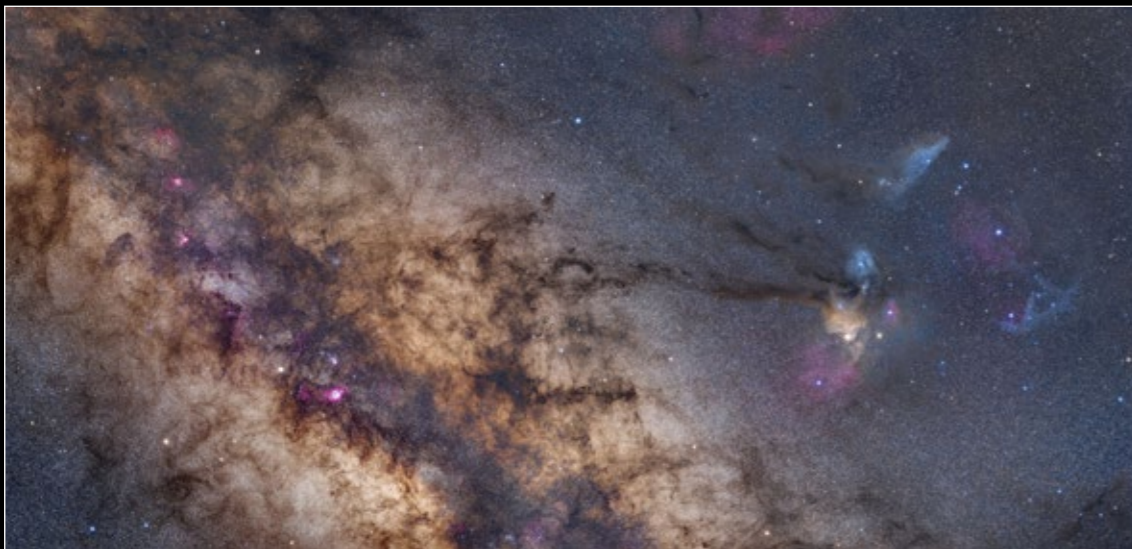
**The Southern Cross**  
Luke Busellato



**The Skies of Crux and Carina**  
William Vrbasso



**Scorpius**  
Dr Andrew Lockwood



**From the Core to Antares**  
William Vrbasso



**NGC 2997 Galaxy**  
Brett Turner



**The Sword of Orion**  
Dr Andrew Lockwood



**Centaurus A**  
Dr Andrew Lockwood



**The Triad**  
William Vrbasso



**Sagittarius Triplet**  
Paul Storey



**SL 17 - Dark Wolf**  
Brendan Mitchell



**Caldwell 33 - Veiled Lady**  
Brendan Mitchell



**The Carina Nebula (NGC 3372)**  
Brett Turner



**NGC 6188 -  
The Fighting Dragons**  
Brendan Mitchell

# Astrofest Astrophotography Exhibition 2019



Dr David Malin  
DAVIDMALIN.COM



Prof Peter Quinn  
ICRAR



Prod Andreas Wicencec  
ICRAR



Dr Patrick Baker  
RET. WA MUSEUM



Dr John Goldsmith  
CELESTIAL VISIONS

JUDGES

CURATOR

## FEATURED ASTRO-IMAGERS:

Stanley Aryanto, Liz Barker, Jon-Paul Bullard, Luke Busellato, Paul Cooper, Pete Gardner, Dr John Goldsmith, Martin Grasl, Luke Hetherington, Stephen Humpleby, Dr Andrew Lockwood, Brendan Mitchell, Scott Murray, Paeon Ng, Sandino Pusta, Matthew Reilly, Paul Storey, Brett Turner & William Vrbasso.

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## AWARDS:

Best Astrophoto, Best Astro Landscape, Best Timelapse, Best New Talent, Houtman 400+ Southern Cross Award, and People's Choice, awarded at Astrofest 2019.

Details at [www.astronomywa.net.au/astrophotography-exhibition](http://www.astronomywa.net.au/astrophotography-exhibition)

## MAJOR SPONSORS:

### ICRAR

[WWW.ICRAR.ORG](http://WWW.ICRAR.ORG)

### Curtin University

[WWW.CURTIN.EDU.AU](http://WWW.CURTIN.EDU.AU)

### Scitech

[WWW.SCITECH.ORG.AU](http://WWW.SCITECH.ORG.AU)

### CSIRO

[WWW.CSIRO.AU](http://WWW.CSIRO.AU)

## PRIZE SPONSORS:

### Camera Electronic

[WWW.CAMERAELECTRONIC.COM.AU](http://WWW.CAMERAELECTRONIC.COM.AU)

### Shoot Photography Workshops

[WWW.SHOOTWORKSHOPS.COM.AU](http://WWW.SHOOTWORKSHOPS.COM.AU)

### Pendoley Environmental

[WWW.PENV.COM.AU](http://WWW.PENV.COM.AU)

### Batavia Coast Maritime Heritage Association

## ASSOCIATES:

### The World At Night

[WWW.TWANIGHT.ORG](http://WWW.TWANIGHT.ORG)

### Celestial Visions

[WWW.CELESTIALVISIONS.COM.AU](http://WWW.CELESTIALVISIONS.COM.AU)



THIS EXHIBITION WAS HELD AS PART OF ASTROFEST 2019 AT CURTIN STADIUM, PERTH ON 16TH MARCH 2019.