



**22ND AUSTRALIAN SPACE RESEARCH  
CONFERENCE  
2-5TH SEPT. 2024**



**CURTIN UNIVERSITY, PERTH**



**Curtin University**



**SPACE SCIENCE AND  
TECHNOLOGY CENTRE**



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**ABSTRACT**

**SUBMISSION**

**INVITATION**

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# ABSTRACT

# SUBMISSION

# INVITATION

It is our pleasure to invite you to submit an abstract for the 22nd Australian Space Research Conference (ASRC), to be held in Perth, Western Australia at Curtin University's Bentley campus on Whadjuk Noongar boodja.

The ASRC aims to be the primary annual meeting for Australian researchers within the space ecosystem, bringing together the banners of space science, engineering, technology, education and outreach. We welcome members of academic institutions, workers in industry, government and NGOs, and educators.

In this year 2024, our conference theme is "Walking Together To Space. Celebrating Research, Empowering Diversity, and Catalyzing Collaboration In Australian Space Exploration." We particularly invite all presenters to reflect on the questions of "What voices are we not hearing? What questions are we not asking?" in your presentation.

## CONFERENCE THEMES

The scope of the conference covers both fundamental and applied research related to space, and we would like to invite abstracts related to (but not limited to) the following themes:

PLANETARY SCIENCE

SPACE ECOSYSTEM

SPACE ENGINEERING

SSA, SDA, PNT

SPACE LIFE SCIENCES

SPACE PHYSICS

ASTRONOMY & ASTROPHYSICS

SPACE ARTS

SPACE EDUCATION & OUTREACH

EARTH OBSERVATION

SPACE POLICY & LAW

SPACE INDUSTRY

ASTROBIOLOGY

SPACE MISSIONS

In addition this year we would also particularly like to invite abstracts related to:

- BLAK VOICES IN SPACE
- SKY KNOWLEDGE OF FIRST NATIONS CULTURES
- MACHINE LEARNING AND BIG DATA ANALYTICS
- CURRENT AND FUTURE SPACE MISSION CONCEPTS
- ADDRESSING EQUITY AND INCLUSION IN THE SPACE ECOSYSTEM



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## PANELS & EVENTS

The ASRC this year will include 2 special panel sessions on the topics of (1) Australian involvement in high-profile international space missions; and (2) Securing the future Australian space workforce: how to stop the brain drain. Additional special topic sessions will include (1) the National Context, with invited presentations by key government representatives, the Academy of Science, and government-funded research organisations, highlighting and discussing connections to national strategic roadmaps for research infrastructure; and (2) the 2021 – 2030 Strategic Plan for Australian Space Science.

There will be interactive workshops held by external providers, and field trip options (to be announced soon). Further events include the Conference Dinner, Women In Space Mixer (evening cocktail event), and the Mars Society Australia David Copper Memorial public lecture.

Student and ECR prizes will be awarded to the most outstanding oral and poster presentations in several categories (e.g. HDR, UG), and a certificate given by the Women In Space Chapter of the NSSA.

## EQUITY & INCLUSION



The ASRC committee, in collaboration with the Australian Academy of Science and the National Space Society of Australia, are committed to fostering equity and diversity within the space sector, and to encouraging the future generations of space talent. With this in mind we strongly encourage and welcome abstract submissions groups that are often marginalised and under-represented within our community. This includes women, people of colour, people with disability, members of the LGBTQI+ community, and those with English as their non-primary language.

If anyone requires additional support with the process of abstract submission or conference attendance, we encourage them to contact our Accessibility Chair and they will endeavour to assist (contact details below).

## SUBMISSION

For the abstract submission and to register, please visit the URL below.

All interested are invited to attend. For more information, please contact the Registration Chair Lucy Forman.

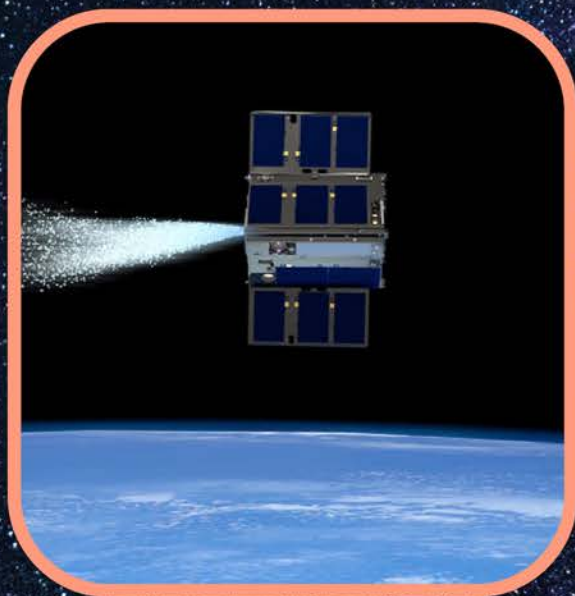
 <https://asrc2024.au> 



# ABSTRACT SUBMISSION INVITATION

## KEY DATES & CONTACTS

Opening date for ASRC abstracts	10 April 2024
Registration opens	28 June 2024
Closing date for ASRC abstracts	12 July 2024
Acceptance of ASRC abstracts	30 July 2024
Draft Program available	8 August 2024
Conference begins	2 September 2024



<b>Phil Bland</b>	<b>Director, Conference LOC Chair, Program Committee</b>
<b>Eriita Jones</b>	<b>Director, Conference LOC Chair, Conference LOC</b>
<b>Wayne Short</b>	<b>Co-Chair, NSSA</b>
<b>Iver Cairns</b>	<b>Co-Chair, University of Sydney</b>
<b>Mia Walker</b>	<b>Co-Chair, Logistics LOC</b>
<b>Lucy Forman</b>	<b>Co-Chair, Registrations LOC</b>
<b>Lorian Marshall</b>	<b>Chair, Accessibility LOC</b>

 [asrc@curtin.edu.au](mailto:asrc@curtin.edu.au) 

