

# 11th Australian Space Forum

## Wednesday 31 March 2021



### Preliminary Program

Adelaide Convention Centre and Online

Facilitated by Nicola Sasanelli AM, CEO of The Andy Thomas Space Foundation

Time Session

8.00	<b>Registration open</b> Tea and coffee on arrival
8.45	<b>Opening session</b> including a welcome from the Premier of South Australia – The Hon Steven Marshall MP
9.10	<b>The National Space Landscape</b> — Hear from Australian Government and Agency heads, including Head of the Australian Space Agency, Enrico Palermo, Chief Executive Officer of Geoscience Australia, Dr James Johnson and Chair of the Andy Thomas Space Foundation, Michael Davis AO. This session will cover policy and trends within the national space sector.
10.00	Morning tea
10.30	<b>Education &amp; Outreach Panel: Building a national space science education and awareness ecosystem</b> Keynote by Dr Amanda Caples, Victoria's Lead Scientist Facilitated by Anntonette Dailey, Executive Director Operations and Communications, Australian Space Agency — The opening of the Australian Space Discovery Centre creates the opportunity to build a national space science education and awareness ecosystem. Across the country there are a number of organisations producing exhibitions, operating space theatres and observatories, running space educational activities and linking students to astronomy initiatives online. There are excellent educational resources available from international agencies such as NASA and ESA. The Australian Space Agency has an 'inspiration' pillar as a key element in its strategic plan to support the growth of STEM careers and a space industry workforce. How can we strengthen the existing space education activities, step up together and identify gaps to be filled? How can we best use space to inspire young people and keep them engaged throughout their formative years? This panel session brings together people who are actively involved in space science educational activities to discuss possible options for a truly national endeavour.
12.00	Lunch

Time      Session

13.30	<p><b>Research &amp; Development Panel: Quantum engineering and communication technology for space based applications</b></p> <p>Keynote by Professor Andrea Morello, Scientia Professor of Quantum Engineering at the School of Electrical Engineering and Telecommunications, UNSW</p> <p>Facilitated by Dr Cathy Foley, Australia's Chief Scientist</p> <ul style="list-style-type: none"><li>— Space is a perfect platform to demonstrate the power and enormous potential benefits of quantum engineering and communications. This panel of international experts will discuss the current state of R&amp;D in this field internationally and the market potential of this new scientific and engineering revolution.</li></ul>
14.50	Afternoon tea
15.30	<p><b>Research &amp; Development Panel: The importance of advanced manufacturing in the knowledge economy</b></p> <p>Keynote by Professor Hugh Durant-Whyte, NSW's Chief Scientist</p> <p>Facilitated by Professor Andy Koronios, Chief Executive Officer, SmartSat CRC</p> <ul style="list-style-type: none"><li>— An advanced manufacturing strategy is critical to the growth of the Australian economy. Innovative manufacturing technology is critical to the future of international space exploration projects including 3D printing, mining and in-space habitat construction and assembly. This panel of world-leading experts will provide an update on the current state of knowledge and the potential of space manufacturing as an important field of industrial endeavour.</li></ul>
16.50	<p><b>11th Australian Space Forum Conclusion</b></p> <p>Final remarks from Anthony Murfett, Deputy Head of the Australian Space Agency and Nicola Sasanelli, CEO of The Andy Thomas Space Foundation.</p>
17.00	<b>Networking hour</b>

Please note that this is a preliminary program and changes are likely to be made in the lead up to the event as speakers are confirmed.

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