

Dear SIAA member

Welcome to the October 2018 edition of the SIAA newsletter.

We have just returned from the International Astronautical Congress, held in Bremen, from 1-5 October 2018. What a wonderful event it was! Highlights have been included in this newsletter.

We are also pleased to advise that the SIAA recently appointed Sherri Dawson as our Operations Manager. With a distinguished background in public administration, most recently with Defence SA and SASIC, Sherri brings a wealth of experience and contacts to the role. Congratulations to Sherri, who can be contacted via email at [operations@spaceindustry.com.au](mailto:operations@spaceindustry.com.au) and by phone on 0488 105 775.

## SMARTSAT COOPERATIVE RESEARCH CENTRE

As advised in the Bulletin we sent to our members on 6 October 2018, the University of South Australia, Nova Systems and their partners have achieved success in their Stage 1 application for a SmartSat Cooperative Research Centre (CRC). A significant amount of effort was put into developing this bid, over many months, and if successful, the CRC will 'catapult Australia as a leader in niche areas of intelligent satellite systems, advanced communications and earth observation driven data analytics.. You can find out more in the October 2018 edition of the SmartSat CRC newsletter [here](#).

The next SmartSat Workshop will take place in **Canberra from 10:00am-1:00pm on Monday 19 November** at a venue to be advised. This important session will be the final workshop before the Stage 2 submission. Further information and registration is available [here](#).

## UPDATE FROM IAC 2018

As mentioned in our recent Bulletin, the 69th International Astronautical Congress held in Bremen earlier this month was very successful, with the Australian Space Agency (ASA) signing a number of Memoranda of Understanding, with a record number of participants being recorded, and with many new relationships and connections being formed by participants. The SIAA joined the ASA and a number of other government and private entities in the 'The Australian Space' booth – click [here](#). Throughout the week there were many interesting lectures and workshops, as well as some social activities,

including an Australian reception hosted jointly by the ASA, the SIAA, the ACT government, and the SA Space Industry Centre (SASIC) – click [here](#).

We also took the opportunity to meet with industry organisations from other parts of the world, and as a result we are planning further engagement with like-minded organisations, to identify international best practice and other potential benefits for space industry associations.

If you weren't able to make it to IAC 2018, you can still view selected video-recorded sessions. These are available online **until 30 November 2018**. Click [here](#) to watch the sessions. **After 30 November** you can still watch the sessions (free of charge) on the [IAF YouTube Channel](#).

## CALL FOR SIAA DIRECTOR NOMINATIONS

We recently sent to all members a call for nominations for seven Director positions on our Board. Nominations can be viewed [here](#). Directors will be elected at our Annual General Meeting on **29 November 2018** in Adelaide. Formal notice of the AGM will be sent to all members on 6 November.

## SIAA MAKES SUBMISSION TO QUEENSLAND PARLIAMENTARY INQUIRY

In response to an invitation from the Queensland Parliament, the SIAA recently made a written submission to the current inquiry into job creation opportunities in Queensland arising from the establishment of an Australian space industry. In our submission we noted that the space sector in Queensland has considerable capability in a wide range of commercial and research activities and Queensland organisations make an important contribution to the national economy. (Our [Australian Space Capability Database](#) currently has 126 organisations listed with a presence in Queensland.)

We added that the SIAA supports the Inquiry's objective of identifying the areas in which Queensland organisations have a competitive advantage and we hope to build on the strong relationships we have established with the Queensland Government and our membership in Queensland in order to support the further development of the Australian space sector and in the national economic and social goals for the space sector being advanced by the

Australian Space Agency. A copy of the full submission will be available soon on the [SIAA's website](#).

## ACT PRIORITY INVESTMENT PROGRAM

The **Australia Capital Territory Priority Investment Program** (PIP) aims to enable collaboration between the ACT Government, industry, research and the tertiary sectors to attract investment and grow established and emerging priority sectors of Canberra's economy.

The PIP will initially target the priority sectors of cyber security, space, defence, renewable energy, agri-technology and plant sciences, healthy and active living and education, where Canberra has known and established strengths to capitalise on the rapidly growing global opportunities.

If you want to know more, the funding guidelines for the program and further information, including contact information, can be found [here](#).

## SQUARE KILOMETRE ARRAY (SKA) PROJECT UPDATE

As you are aware, this project represents an international effort to build the world's largest radio telescope, with eventually over a square kilometre (one million square metres) of signal collecting antennae. The scale of the SKA represents a huge leap forward in both engineering and research and development towards building and delivering a unique instrument, with the detailed design and preparation now well under way. The SKA will eventually use thousands of dishes and up to a million low-frequency antennas that will enable astronomers to monitor the sky in unprecedented detail and survey the entire sky much faster than any system currently in existence. Dr Phil Crosby, CSIRO has a fascinating story to share about this exciting project, you can read more [here](#).

## NOMINATIONS OPEN FOR \$60,000 AVALON INNOVATION AWARDS

Innovative individuals and companies in the Aviation, Space and Aerospace domains have until 30 November to enter the Avalon 2019 Innovation Awards, to be presented at the Australian International Airshow and Aerospace &

Defence Exposition, 26 February - 3 March 2019. There are 6 categories of awards, including a sub-category of Space Operations and Technology, which covers anything relating to space technology and operations, from launchers and payloads to ground stations and control systems.

The awards are open to Australian companies or the Australian subsidiaries of overseas parent companies. The innovation could be a new product or service to a new approach to business. Entries will be judged on originality and their understanding of user needs. More information can be found at [here](#).

## SPACE JOBS

The Department of the Environment and Energy is currently seeking candidates with expertise in remote sensing, spatial systems and data science for several positions in the Environmental Resources Information Network Branch (ERIN). All positions will be based in Canberra. There are three positions available:

- Remote Sensing Specialist
- Spatial Systems Officer
- Senior Data Analytics Officer

Applications for these positions close on 22 October 2018. Details on how to apply, including the role description, can be found on either [APSjobs](#) or the [Department of the Environment and Energy](#) website.

## NASA RESEARCH – CALL FOR PARTICIPANTS

This is YOUR opportunity to have a say in NASA's directions! Deloitte is conducting a study on behalf of NASA on the effects of commercialising low earth orbit (LEO) as the agency considers discontinuing United States management and control of the International Space Station over the next decade. Click [here](#) for the official NASA announcement.

Deloitte is making contact with various industries and conducting research that may help inform their response to NASA. With the focus on space industry development in Australia, Deloitte is especially keen to ensure our nation's industry, government and academic organisations have an opportunity to provide input. If you are interested in participating, please complete this brief [survey](#) below. Your responses will be received, reviewed, and considered by the Deloitte's NASA project team. Responses are due by **31 October 2018**.

## AUSTRALIAN SPACE AGENCY NEWS

The Australian Space Agency (ASA) has to date released a number of newsletters, with the most recent newsletter providing an overview of Bremen IAC 2018 and a review of their first 100 days. Well worth a read! If you want to keep up-to-date with Australian Space Agency news, you can subscribe to their newsletter [here](#).

## SAVE THE DATE – UPCOMING EVENTS

### Gemini Melbourne

**Melbourne, Saturday, 20-21 October 2018**

This two-day mini festival for space will be held this weekend at the new Victorian Innovation Hub to celebrate Australia's renewed interest in the space industry. The weekend will feature 3 main events:

- NASA Space Apps Challenge and Moonshot's T Minus Bootcamp
- Melbourne Space Industry Mixer - a chance for industry representatives to network over drinks and canapés
- Public events such as live interviews with space community leaders from around the globe, and a chance to test Opaque Space's astronaut simulation virtual reality experiences.

You can find out more [here](#).

### SIAA Space Industry Forums

**Darwin, Monday, 29 October 2018 and  
Nhulunbuy, Tuesday 30 October**

After an extremely successful event in Brisbane last month, we are pleased to announce that we are holding our next forums in the Top End. The Darwin Forum will be opened by the NT Chief Minister, the Hon. Michael Gunner and expert presenters in Darwin and Nhulunbuy will include:

- Carley Scott from Equatorial Launch Australia
- Dr Phil Crosby from CSIRO Astronomy & Space Science
- Michael delaChappelle from Boeing Australia

Please join our expert space industry panel as they share their views and expertise on growing the space industry in the Northern Territory, and discuss

the latest exciting developments in the national space sector. If you would like to come along, please register [here](#).

## **Space Debris Management and Mitigation Workshop** **Canberra – 9 November 2018**

The Space Environment Research Centre is holding a workshop on Space Debris Management and Mitigation on Friday, 9 November in Canberra. The workshop will review the latest research in space debris management and discuss recent advances in mitigation techniques. Sessions will include:

- ▶ sensors & satellite tracking,
- ▶ orbit determination & propagation,
- ▶ conjunction analysis & collision avoidance and
- ▶ mitigation & remediation.

The space debris workshop is being held as part of the 21st International Workshop on Laser Ranging (IWLR2018) which is taking place over the period 5-9 November. IWLR2018 will feature a broad range of attendees from international space agencies and research institutions to discuss various aspects of satellite laser ranging and geodesy.

Registration and information on IWLR2018 and the Space Debris Management and Mitigation Workshop can be found at [here](#).

## **When Galaxies Collide** **Various Locations and dates**

Acclaimed award-winning Australian Astrophysicist, Professor Lisa Harvey-Smith presents a fascinating and innovative visual live event for audiences to experience an astronomer's stunning vision into the frontiers of astrophysics. With the inevitable explosive arrival of the Andromeda Galaxy rushing towards the Milky Way at 400,000 kilometres an hour, Professor Lisa Harvey-Smith takes us on a unique journey 5.8 billion years into the future to consider the fate of humanity and the extraordinary developments and repercussions of a futuristic universe. Tickets are available [here](#).

## **6<sup>th</sup> South Australian Space Forum** **Adelaide - 5 December 2018**

The Space Industry Association of Australia, in collaboration with the South Australian Space Industry Centre, invites you to attend the [6<sup>th</sup> South Australian](#)

[Space Forum](#), to be held at the Adelaide Convention Centre on Wednesday, 5 December 2018 from 9.00 to 2.30.

Also supported by the **Australian Space Agency**, this biannual forum provides the perfect opportunity to stimulate ideas, share information about emerging technologies and discuss industry trends. The forum continues to attract growing interest in the space sector, locally, nationally and internationally and has grown from 110 participants at the first forum in May 2016 to more than 300 at our last event in April this year.

The theme of the next forum is '**Space Technologies and End-users**' and there will be Panel Sessions with end-user experts on the following topics:

- *Increasing efficiency in agriculture*
- *Automation – the future of the resources sector and*
- *Increasing the efficiency of the construction sector*

Registration is free - click [here](#).

## **SIAA/AAL Australian Space Industry Conference**

**Melbourne (Avalon) – 25-26 February 2019**

With a conference theme "Space Means Business!" next year a constellation of space industry, R&D and Government speakers will be presenting on issues for the space industry and the space-enabled industries it will support, focusing on opportunities for business development. Aerospace Australia Limited and the Space Industry Association of Australia have joined forces to launch the inaugural two-day Australian Space Industry Conference. The proposed program includes:

- Australia's Space Agency
- Capability, projects, activities
- Space Launch Developments
- Earth Observation and Surveillance
- Space-based services
- Space Traffic Management

You can find out more [here](#).

# 16TH AUSTRALIAN SYMPOSIUM ON ANTENNAS – CALL FOR PAPERS

**Sydney - 12 – 14 February 2019**

There is currently a call for papers for the 16th Australian Symposium on Antennas, which will be held at MGSM in Sydney from Tuesday the 12th to Thursday the 14th February 2019. It is supported by CSIRO Astronomy and Space Science with the aim of bringing together engineers, scientists and industry representatives working on antennas and related areas to discuss current and projected developments. The Symposium also provides a valuable opportunity for students to take part in a professional meeting. The 16th ASA will include poster presentations and industry exhibitors. Prizes will be awarded for the best student oral and poster presentations.

For more information about the event click [here](#). A call for papers has been made and instructions to authors can be found [here](#).

## NEW SIAA MEMBERS

The SIAA Board is extremely pleased to welcome the following new members:

- Downing Teal, Small Corporate
- Mr Abhijeet Kumar, Young Professional
- Scenic Rim Astronomy Assoc Inc, Non-profit
- Swedish Space Corporation, Large Corporate
- Ms Rhonda O'Sullivan, Individual

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Best regards

**Michael Davis**

Chair, SIAA



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