

AIAC21 abstract submission guidelines

General policies and requirements

The abstract submission deadline is **11.59 PM AEST Sunday 30 June 2024**.

All abstract submissions will be reviewed by the AIAC21 Scientific Committee. The committee may accept or reject abstracts and their decision is final. The outcome of abstract submissions will be emailed on **Friday 9 August 2024**.

By submitting an abstract the authors agree to the **general policies and requirements** and the Speaker/Author Agreement (page 5).

Presenting authors are required to **register and pay to attend the congress** by **Tuesday 29 October 2024**.

Co-authors are not required to register, but co-presenters are. Presenters that remain unregistered after the deadline will have their submission **removed** from the program and congress proceedings.

Presenting authors will be able to access a discounted registration rate. This rate is applicable to the presenting authors of an accepted paper only; co-authors who are not presenting will need to register at the normal registration rates.

Authors can submit multiple abstracts, but the organising committee reserves the right to limit to presenting a **maximum of two presentations**. If deemed appropriate by the Scientific Committee, all other abstracts may be offered as a poster.

Following abstract acceptance, a paper must be submitted to present an oral at AIAC21. Delivering a poster does not require a paper submission.

If the abstract is selected for inclusion in the program, consent is provided for the presentation slides, video, audio recording and photos taken during the presentation to be used and published by Engineers Australia including being provided to delegates of AIAC21.

Online submission is the only method for submitting abstracts for AIAC21.

Abstract submission

Submit an abstract via the **abstract submission portal**.

All abstracts submitted for AIAC21 must follow these guidelines.

- All abstracts must follow the **AIAC21 abstract submission template**
- **Create an Arinex One account** to submit an abstract.
- Upon creating an account submitting authors will be asked to verify their email address.
- Please check the spam or junk folder if not received. Contact aiac21@arinexgroup.com if unable to locate the verification email.
- The abstract must be written in English using the official abstract template.
- The presenting author must ensure that the abstract is submitted correctly.
- Presenting authors must provide a biography of 100 words and a passport style photograph (high resolution up to 2MB) at the time of abstract submission. Photos and biographies for co-authors may also be provided but are optional.

Submitting an abstract

1. Locate **Submissions** in the Arinex One submission portal.
2. Click + Submit Abstract.
3. Please ensure to download the official abstract template. Abstract must be submitted using the official abstract template.

Presentation title

- The title should be short, informative and contain keywords.
- The first word in the title should be capitalised as should any proper nouns (sentence case).
- ALL CAPS should not be used.
- Abbreviations and acronyms can be capitalised as required.

Abstract body

- Maximum 300 words.
- The abstract body should define the precise subject of the presentation to the audience. The abstract body must contain the content of the abstract only.
- Use standard abbreviations only. When using abbreviations spell out the name in full at the first mention and follow with the abbreviation in parentheses. Abbreviations may be used in the title, provided the name in full is outlined in the body of the abstract.

Author(s) and other details

- Add the details of all author(s) as required. Indicate a presenting author using the Yes/No slider.
- Select the relevant sub theme for the submission and answer the other questions as stated to complete the submission process.

Previewing and submitting the abstract

Once all fields have been completed, click **Preview and Submit** to generate a final preview of the abstract (Adobe Acrobat plugin may be required). Check this preview carefully to ensure the accuracy of the submission. Once you are satisfied with your preview click **Submit** to complete the abstract submission process.

Post submitting

- Upon successful abstract submission the submitting author will receive a confirmation email containing the abstract attached as a PDF file. Check junk or spam folders if not received. Please contact aiac21@arinexgroup.com if unable to locate the confirmation email.
- The abstract should not be resubmitted for any reason.
- Authors can view or edit their abstracts by returning to their Arinex One account and by selecting 'Submissions'. Edits can be made to abstracts until the review process begins.
- The outcome of abstract submissions will be emailed on **Friday 9 August 2024**.

Presentation types

Authors may select their preferred presentation format from one of the below options. The final presentation format is at the discretion of the AIAC21 Scientific Committee and may be different to the author's nominated format.

Oral presentation

An oral presentation consists of a brief presentation and question and answer time. Presentation slides are mandatory. Video clips, props and graphs are encouraged but not compulsory. A full paper is required to deliver an oral presentation.

Poster presentation

A poster presentation consists of visual information (photos, graphics, text, references tables and figures) that will be displayed on the virtual platform. Posters should include a summary of key findings (whether from research, investigations, studies or project work) and recommendations for future research or projects. A paper is not required for a poster presentation though a paid registration from the presenting author is still required.

Themes

21st Australian Aeronautical Conference (AAC)

- Structures and materials
- Autonomous systems / UAS
- Aerodynamics and flight mechanics
- Propulsion and aerospace systems
- Airworthiness and sustainment
- New aerospace technologies

14th DSTG International Conferences on Health and Usage Monitoring (HUMS)

- Machine/structure health monitoring, diagnostics and prognostics
- Life and usage monitoring and management
- AI-based predictive maintenance solutions
- Text, image and voice analytics using pre-trained large AI models
- Vibration, acoustic and wear debris analyses
- Smart sensors and edge-computing technologies for HUMS
- HUMS system verification and validation
- Data science and data analytics applications to HUMS
- Platform asset management

18th National Space Engineering Symposium (NSES)

- Spacecraft systems design and analysis
- Spacecraft dynamics and control
- Orbit theory
- Mission and trajectory design
- Space environment
- Launch vehicle design and methods
- Australian space business opportunities

Full papers (peer-reviewed and non-peer reviewed)

The congress will accept submission of peer-reviewed and non-peer reviewed papers not exceeding six (6) pages in length, including enclosures/appendices etc. There will be different submission deadlines for peer-reviewed and non-peer reviewed papers. Instructions for paper submissions will be circulated to accepted abstract authors.

Authors of selected peer-reviewed papers only will be invited to submit an extended version of their paper for a special AIAC edition of the *RAeS Aeronautical Journal*.

AIAC21 proceedings

All accepted **papers** submitted for AIAC21 will be published via the RMIT Informit Engineering Collection within approximately three months following the congress.

Papers published on RMIT Informit Engineering Collection are findable via Google Scholar (and Google), NLA, EBSCO, OCLC, Summon and other database aggregators and search engines.

CPD hours

Members of Engineers Australia can claim CPD hours for presenting at and attending AIAC21.

Speaker/Author agreement for AIAC21

Works: By submitting an abstract, paper (peer/non peer reviewed), presentation and/or other materials (Works) for AIAC21 you acknowledge that you are accepting the AIAC21 Speaker/Author Agreement as stated below.

In consideration of the opportunity to deliver the Works at the Australian International Aerospace Congress (AIAC21), I:

1. grant Engineers Australia a non-exclusive, irrevocable, perpetual, royalty free licence (with right to sublicense) to use, distribute and publish the Works (including through third parties on databases such as the RMIT *Informit Engineering Collection Database*);
2. confirm that I own the copyright in the Works, and there is nothing in the Works that uses someone else's intellectual property without their permission, or that infringes their intellectual property or moral rights; and
3. confirm that all information I have provided regarding my academic and other qualifications is true, complete and not misleading.

I agree that Engineers Australia may record and broadcast my performance of the Works in any form, whether by way of webinar, photography, video, film, tape, digital recording or any other medium or technology and that any such recording may be used, dealt with, distributed and licensed by Engineers Australia without any obligation on Engineers Australia's part to pay fees or royalty.

If you do not wish to be broadcast, please email the Congress Managers directly at aiac21@arinexgroup.com

Note: a detailed explanation of all the terms and phrases can be found over on the next page.

Guidance for Speakers / Authors

It is a condition of participation in an Engineers Australia sponsored Conference that contributors agree to the terms and conditions of the '*Speaker/Author Agreement*', which grants us a licence that enables us to publish the Works (for example by making it available to others through our databases or third party databases (such as the *Informat Engineering Collection* database).

The licence you grant us is:

- Non-exclusive – which means you can grant other parties a licence over the Works.
- Irrevocable – which means that once you have granted us the licence, it cannot be taken away.
- Perpetual – which means that the licence does not come to an end.
- Royalty-free – which means that you do not receive any royalties from the grant of the licence.

A right to sub-licence means that we can give others the right to publish the Works if the need arises.

What rights do you as the author retain?

As the author you will retain your copyright in the Works.

Recording your presentation

We request your permission to make a recording of your presentation of your material (whether by way of webinar, photography, video, film, tape, digital recording or any other medium or technology). You should note that as the creators of that recording, we automatically own the rights to it, therefore under the terms of the *Speaker/Author Agreement* you are not 'losing' any rights you are entitled to, only giving us permission to make the recording.

Moral rights

We also ask you to assure us that there is nothing in your materials that uses someone else's intellectual property without their permission or infringes their moral rights. We do that to protect Engineers Australia from action that we have breached copyright or infringed an individual's moral rights, and to encourage you to think about the content and make sure it is your original work, or that you have permission of the owner to use that information. This helps protect you and us.

Further information

Remember, this guide is just that, a guide to what the *Speaker /Author Agreement* is for – not the agreement itself. You should read the agreement carefully before agreeing to it.

For more information about intellectual property rights, visit:

[IP Australia - Understanding Intellectual Property](#)

[Australian Copyright Council](#)