Australian System Safety Conference
26-27th May 2020
Adelaide, South Australia

ASSC 2020

Complex Systems: Can We Keep It Safe Anymore?
CALL FOR PAPERS

The Australian System Safety Conference (ASSC) is organised by the Australian Safety Critical Systems Association (aSCSa), a Special Interest Group of the Australian Computer Society.

The theme for the 2020 conference is "**Complex Systems: *Can We Keep It Safe Anymore?***". With systems becoming more integrated, networked, and complex – incorporating new/emerging technologies, automation, autonomy, and artificial intelligence – 'system of systems' challenges such as emergent behaviour, cybersecurity, and human factors become more prominent.

- Are traditional Safety by Design programs and system review constructs sufficient?
- How do we understand and analyse these complex systems and architectures?
- How do we provide safety assurance for complex, emergent behaviour, and potentially adaptive systems?
- How do we ensure cybersecurity and human factors issues are adequately assessed and integrated with the safety program?

The 2020 ASSC would like to examine and share the latest thinking on the state of the art and its fitness for purpose.

We invite research papers and project experience to present and engage.

Safety critical areas of interest include:

- Medicine and health (medical devices, e-health systems, etc.)
- Transport
- Defence and Aviation
- Telecommunications
- Energy
- Security
- Resource and process industries
- Emergency services.

Delegates have the option of submitting two types of papers:

1. Refereed Papers by the conference program committee
2. Industry Presentations/Papers (not subject to peer review)

Both types of papers are published on the conference website*

Abstract Submission: Fri 17th Jan 2020 (approx. 250 words)

Paper submissions can also be emailed to **program@ascsa.org.au.**

(*if sufficient papers are submitted, published in the Journal of Safety and Reliability Society.)

SPECIAL OFFER
Free registration for conference presenters