

6 June 2016

SIA Ref: 16/CFP/0601

**8<sup>th</sup> SIA Biennial Conference, 14-16 November 2016**  
The Shine Dome, ANU, Canberra, ACT

**CALL FOR PAPERS**

The Government has now selected DCNS as the International Design Partner for the Future Submarines based on the Shortfin Barracuda Block 1A with the Combat Systems Integrator to be selected later this year, possibly before the conference. The first of class will not commission until the late 2020's or early 2030's and accordingly there will be a requirement to extend the life of the Collins class submarines to ensure that no gap in submarine capability occurs.

The overall theme for the Conference is:

*From Collins to Future Submarine – The Challenge of Sustaining an Effective Submarine Capability*

The conference focuses on the considerations of national sovereignty from the perspective of the participating countries: Australia, France and USA including protection of intellectual property rights [IPR], and transfer of sensitive technology. Day 1 (15 November) will include invited speakers from major stakeholder organisations. Day 2 (16 November) will include papers from this open call.

The SIA is seeking written presentations of 25 minutes duration plus 5 minutes for questions during Day 2 of the conference. The presentations will be edited and published online as pdf files with the consent of the author(s).

Suggested topics for papers on the following theme for Day 2:

*Collins class 'Life Extension Program': Opportunities to evaluate innovative emerging technology as capabilities for the Future Submarine.*

Collins class enhancement and licensing for extended service life

- Design issues for Collins class life extension: Opportunities for application of innovative technology developments;
- Experience of this process from other submarine operators;
- Critical issues for life extension;
- Building the crew numbers to support the transition from 6 to 12 submarines;
- Opportunities to test and evaluate new technologies and new operating and sustainment processes in Collins class before consideration for the Shortfin Barracuda class.

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**Submission Timetable:**

- Abstracts of proposed papers in MS Word format (limit 250 words) should be submitted by Friday 24<sup>th</sup> June 2016 using the form available at: <http://www.jotformpro.com/frankowen/Conf16.papers>
- Acceptance of abstracts will be notified by Friday 8<sup>th</sup> July.
- Draft conference program notified by Monday 26<sup>th</sup> September.
- Presentations in PowerPoint format (.ppt or .pptx), bio and image of presenters required by Friday 28<sup>th</sup> October.

The Institute is seeking conference participation from Australian and overseas government and industry representatives, together with other involved organisations.

The program includes a reception on 14<sup>th</sup> November and a Conference Dinner on 15<sup>th</sup> November.

Presenters of accepted papers will be offered complimentary registration for the day on which their presentation is made using a promotional code that will be advised after acceptance of the abstract.

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