EDTAS

EMERGING DISRUPTIVE TECHNOLOGY
ASSESSMENT SYMPOSIUM

QUANTUM COMPUTING

22-23 JUNE 2022. CANBERRA.

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🐦 #EDTAS

EMERGING AND DISRUPTIVE TECHNOLOGY ASSESSMENT SYMPOSIUM ON

QUANTUM COMPUTING

The Emerging and Disruptive Technology Assessment Symposium (EDTAS) series helps to future-proof Australian Defence. An initiative of the Next Generation Technologies Fund, EDTAS considers an expansive science and technology topic that will likely have a major impact for Defence in the 20+ year timeframe.

Hosted by Defence Science and Technology Group, in partnership with Noetic Group, the EDTAS on Quantum Computing will bring together internationally recognised academic, industry and Defence leaders in a multidisciplinary workshop environment over two days to explore and shape a long-term vision for Quantum Computing.

This symposium will help to identify novel capability concepts for Defence beyond 2040, and in the process, help to uncover the important research challenges and opportunities that lie ahead, which require awareness or action by government, academia and industry.

Participants will consider topics such as the future of quantum computing and associated technologies, how they might be applied, capability concepts, and the drivers, barriers and implications for their adoption. Facilitated workshops will be held as part of the Symposium to gain a better understanding of opportunities and threats resulting from the employment of these capabilities, and challenges in defending against them. There will be opportunity for participants to engage in networking and partnering, discuss strategic and S&T challenges, and provide input to shape long term Defence investment.

QUANTUM COMPUTING AND ASSOCIATED TECHNOLOGIES

The EDTAS on Quantum Computing will seek to understand Australia's strategic needs, current technology capabilities and future technology development landscape and directions. Research drivers, challenges and opportunities around the following key themes will be explored:

- Hardware and qubits
- Software, compilation and control
- Algorithms and applications
- Networking and integration
- Full-stack implementation.

Advances in quantum computing technologies, and concurrent developments in a range of military technologies, may enable the realisation of systems that could generate novel threats or opportunities, potentially requiring adaptation of Defence's future operating concepts and capabilities. The realisation of quantum computing as an element of future Defence capabilities will also require an understanding of the integration, support and sustainment needs.

EVENT INFORMATION

The symposium will be held on 22-23 June 2022 at the Shine Dome, in Canberra ACT. A virtual participation option will also be available. Attendance is by invitation only as numbers are limited. **Partner applications close 22 April 2022.**

To register your interest in attending EDTAS, please visit: https://dstdefence.eventsair.com/edtas-eoi/edtaseoi/Site/Register

To submit an application to be an Event Partner, please visit: https://dstdefence.eventsair.com/edtas-eoi/edtaspartners/Site/Register

CONTACT AND FURTHER INFORMATION

For more information please email us at edtas.dstg@defence.gov.au