

STEM in Defence Summit

21 August 2018 | Hyatt Hotel, Canberra



CONFIRMED SPEAKERS INCLUDE:



Senator The Hon Marise Payne, *Minister for Defence, Department of Defence*



Dr Alex Zelinsky AO, *Chief Defence Scientist, Department of Defence*



Dr Sheridan Kearnan, *First Assistant Secretary Defence Industry Policy, Strategic Policy and Intelligence Group*



AIRCDRE Sue McGready, *CSC, Director General Defence Force Recruiting, Department of Defence*



Dr Andrew Dowse AO, *Director Defence, Edith Cowan University*



Asta Morgan, *Southern Perth P-TECH Industry Liaison Officer, Skilling Australia Foundation*



Brett Biddington AM, *Chair, Advisory Board of the Victorian Space Science Education Centre (VSSEC)*



John Bale, *CEO and Co-Founder, Soldier On*



Megan Lilly, *Head of Workforce Development and Education, Ai Group*



Owen Pierce, *Program Manager, National Research and Education, AustCyber*



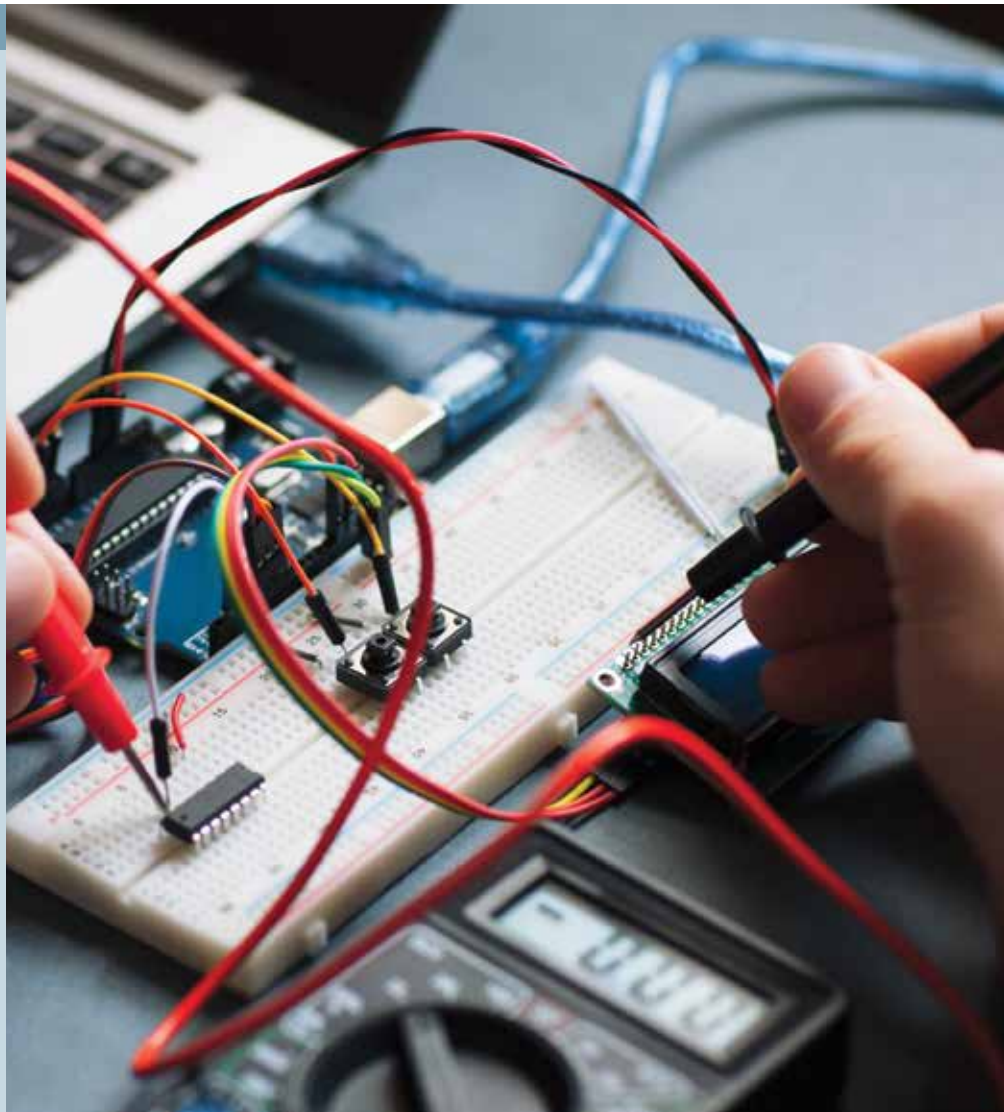
Richard Price, *CEO, Defence SA*



Rick Evans, *STEM Workforce Manager, RDA Hunter*



Teresa Janowski, *General Manager, STEM Sista (STEM Nation)*



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STEM in Defence Summit

Tuesday 21 August 2018

8:25 OPENING

Opening remarks from the Chair

Katherine Ziesing, *Editor, Australian Defence Magazine*

STEM IN DEFENCE: TOWARDS 2035

8:30 MINISTERIAL ADDRESS

Senator the Hon Marise Payne, **Minister for Defence**

9:00 The Strategic importance of attracting and developing STEM talent into the Defence Force

AIRCDRE Sue McGready CSC, *Director General Defence Force Recruiting, Department of Defence*

9:20 KEYNOTE

Defence Industry Skilling and STEM Strategy Update

Dr Sheridan Kearnan, *First Assistant Secretary Defence Industry Policy, Strategic Policy and Intelligence Group*

DEFINING AND IMPLEMENTING STRATEGIES FOR SUCCESS

9:40 ROUNDTABLE

Defining 'STEM' and aligning goals between Education, Industry and Defence

- Identifying skills expected of students, and skills needed by industry
- What does a 'successful' STEM engagement program look like?
- Change, industry collaboration and leadership in schools
- The importance of changing the perception of trades and vocational education
- How can we ensure better coordination of STEM programs between schools, industry and defence?
- How can SMEs engage with schools? How can they absorb apprentices and interns?

Rick Evans, *STEM Workforce Manager, ME Program*

Asta Morgan, *Southern Perth P-TECH Industry Liaison Officer, Skilling Australia Foundation*

Richard Price, *CEO, Defence SA*

Matt Opie, *Director Defence, UNISA*

School Principal

10:30 Networking and refreshment break

11:00 CASE STUDY

Victorian Space Science Education Centre (VSSEC): Preparing the Future Workforce

Brett Biddington AM, *Chair, Advisory Board of the Victorian Space Science Education Centre (VSSEC)*

11:30 KEYNOTE

Dr Alex Zelinsky AO, *Defence Chief Scientist, Department of Defence*

INDUSTRY-SCHOOL PARTNERSHIPS

12:00 CASE STUDY

P-TECH Schools: a successful model for developing a region's STEM industries with a focus on shipbuilding and maintenance

- Preparing young Australians for 21st Century careers
- Providing hands-on experiences as a means of developing understanding of workplace culture and expectations
- Supportive pathways for youth to engage in workplace experiences and developing understanding of their employment prospects

Andrew Sezonov, *General Manager, Skilling Australia Foundation*

Asta Morgan, *Southern Perth P-TECH Industry Liaison Officer, Skilling Australia Foundation*

12:30 CASE STUDY

STEM Nation, STEM Sista and Concept2Creation: Impacting our future STEM Leaders

- The importance of early exposure to role models and opportunities in STEM
- What is STEM Sista and Concept2Creation? What and how did the students learn?
- How have the Students used the knowledge and experience they gained on the program in real life?

Teresa Janowski, *General Manager, STEM Nation*

13:00 Lunch and networking break

BEYOND ENGAGEMENT: RESKILLING AND RETENTION

14:00 KEYNOTE

Disruption, diversity and award-winning innovation

Professor Kourosh Kayvani, *Managing Director Design, Innovation & Eminence, Aurecon*

14:30 ROUNDTABLE

Reskilling and retention: STEM talent at all points in the pipeline

- How can we attract talent to pathways in defence industry, including shipbuilding? What are the key messages that will resonate?
- How can inclusivity and career development pathways be improved to ensure better retention?
- Why defence needs to transform itself and innovate
- The importance of vocational skilling and reskilling programs

Penny Johnston, *Director Defence, TAFE SA*

John Bale, *CEO and Managing Director, Soldier On*

Dr Andrew Dowse AO, *Air Vice-Marshal (ret'd), Director, Defence Research and Engagement, Edith Cowan University*

Shanaye Baxter, *Assistant Director Indigenous Engagement, Defence Science & Technology*

Megan Lilly, *Head of Workforce Development and Education, Ai Group*

15:30 Networking and refreshment break

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DIVERSITY, DISRUPTION AND CHANGE

16:00 WORKSHOP

Strategies and tools for achieving gender equity in STEM

Francesca Maclean, *ACT Young Woman of the Year, co-founder, Fifty50, and Engineer Consultant, Arup*

16:30 CASE STUDY

Building a national challenge program for cyber security

Hear about the development of a national program of cyber security challenge competitions, and reflections on the 2017 delivery of Australia's first defence industry cyber challenge, which is a collaboration across industry, academia and government.

Owen Pierce, *Program Manager, National Research and Education, AustCyber*

17:00 CLOSING | Closing remarks from the Chair

VENUE DETAILS

Hyatt Hotel, Canberra, 120 Commonwealth Ave, Yarralumla ACT 2600

Phone: (02) 6270 1234, www.canberra.park.hyatt.com

SPONSORSHIP AND EXHIBITION OPPORTUNITIES

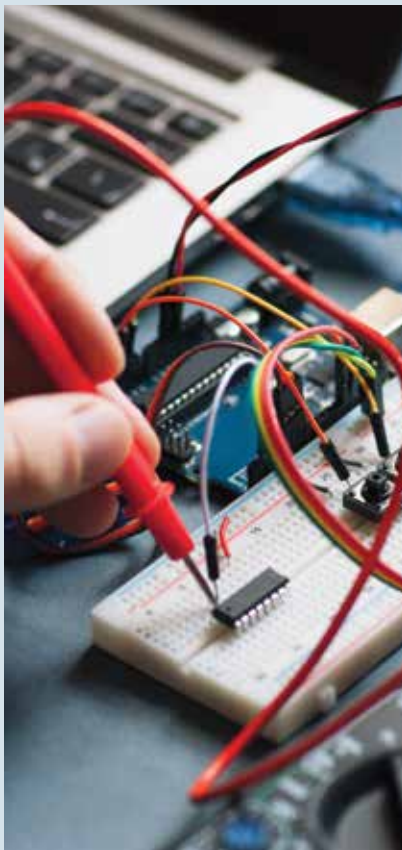
Excellent opportunities exist to showcase your organisation.

For further information, please contact:

Andrew Sinkovich, Sponsorship Manager

Phone: (02) 9080 4008

Email: andrew.sinkovich@informa.com.au



Now in its second year, the ADM STEM in Defence Summit is a cornerstone event that brings together Defence, Defence Industry and Education to build the STEM-skilled workforce we need.

With the rapid pace of change in STEM fields in a growing Defence Industry, and the hotly anticipated Defence Industry Skilling and STEM Strategy due to be released in mid-2018, it is imperative for Australia to ensure young people are propelled onto future-looking career pathways in cybersecurity, drone technology, shipbuilding, space and more.

How Industry, Education and Defence will achieve this is the core focus of the Summit. We will explore:

- How defence industry, including SMEs, can work with educational institutions to develop attractive career pathways (through engagement and reskilling programs alike), building up STEM talent at all points in the pipeline
- What a successful STEM program looks like for Defence and Defence Industry
- Shifting the perception of STEM careers, and careers in Defence and Defence Industry
- Implementing cultural change in Defence and STEM industries to be more inclusive, in order to attract and retain diverse talent
- Raising the profile of trades and vocations, particularly in the shipbuilding context
- What needs to happen to keep Defence and Defence Industry innovating

Join us as ADM hosts this one-of-a-kind summit to strengthen the resolve, cultivate the relationships and take the exciting next steps to deliver a future-ready, STEM-skilled workforce.

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Easy Ways to Register

1 Web
www.admevents.com.au/stemindefence

2 Telephone
+61 (0)2 9080 4307 – Quoting P18K28

3 Email
info@informa.com.au – Quoting P18K28

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ADMSTEM18

Pricing Details

Register Early & Save	Early Bird Rate				Standard Rate		
	Book & pay on or before 30 June 2018				Book & pay from 1 July 2018		
One day conference	PRICE	GST	TOTAL	SAVE	PRICE	GST	TOTAL
Standard Industry Rate	\$1,295	\$129.50	\$1,424.50	\$200	\$1,495	\$149.50	\$1,644.50
Defence/SME*/Academia Rate	\$795	\$79.50	\$874.50	\$200	\$995	\$99.50	\$1,094.50

*SME is defined as an organisation with fewer than 200 employees globally

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