



DEF Australia



Defence



Entrepreneurs

Forum



#DEFAus17 Forum Booklet

**14 – 15 December 2017
Australian Defence College, Weston Creek, Canberra**

Welcome to #DEFAUS17

WELCOME! The #DEFAUS17 Committee is really excited to have you at Australia's second Defence Entrepreneurs Forum. 2016 was an energising and exciting year for DEF Australia and saw a rise in junior leader innovation and conceptual thinking.

This year seeks to challenge you through thinking about the #FutureFight. It also looks to build a network of #innovators so that in times of war we can, as a Defence Force, learn, adapt and defeat an enemy.

Enjoy the forum!



Forum Booklet Contents

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- Innovation Allies

Join #DEFAus17 Online



Join us on the Tweet Wall

Use #DEFAUS17 and tag @DEF_Aus

Who will triumph as the Tweet Wall champion?

#DEFAUS17 Pre-Forum Program

Wednesday, 13 December 2017

| Time | Event | Key Speakers |
|-----------|--|--|
| 0830-1100 | Idea Pitcher Rehearsals | Mick Cook Richie Thapthimthong |
| 1100-1400 | #DEFAUS17 Pre Screen *Lunch available at ADC Mess in-between pitches | MAJGEN Mick Ryan |
| 1400-1445 | Debriefs | MAJGEN Mick Ryan and #DEFAUS17 Team |



#DEFAUS17 Forum Program

Day 1 – Thursday, 14 December 2017

| Time | Event | Key Speakers |
|---|--|--|
| 0700 – Bus Departs RMC Officers Mess for 0730 arrival at ADC Weston Creek | | |
| 0730-0815 | Registration | |
| 0830-0845 | Welcome and Admin Brief | #DEFAUS17 Team |
| 0845-0900 | Opening Address | MAJGEN Rick Burr |
| 0900-1030 | Session 1 #FutureFight | Alastair MacGibbon Genevieve Bell Kerstin Oberprieler |
| 1030-1100 | Morning Tea | |
| 1100-1230 | Session 2 #InnovationatWar | Clare O'Neill Ian Langford Deane-Peter Baker |
| 1230-1330 | Lunch | |
| 1330-1500 | Session 3 #PracticalInnovation | Plan Jericho Team Jerome Reid |
| 1500-1530 | Afternoon Tea | |
| 1530-1630 | Session 4 #Inspiration Entrepreneur Dutch Innovation USAPAC Greenbook | Phil Hayes-St Clair Stephan Wildenberg Colin de Vries Dan Wilson Connor Love |
| 1700-1830 | Networking Event | ADC Mess |
| 1830 – Bus Departs ADC | | |

#DEFAUS17 Forum Program

Day 2 – Friday, 15 December 2017

| Time | Event | Key Speakers |
|---|--|-----------------------|
| 0730 – Bus Departs RMC Officers Mess for 0800 arrival at ADC Weston Creek | | |
| 0830-0845 | Welcome Day Two Introduce #DEFAUS17 Board | #DEFAUS17 Team |
| 0845-1015 | #DEFAUS17Ideas | |
| 1015-1045 | Morning Tea <i>(Board Deliberation)</i> | |
| 1045-1200 | #DEFAUS17Ideas | |
| 1200-1245 | Lunch <i>(Board Deliberation)</i> | |
| 1245-1400 | #DEFAUS17Ideas | |
| 1400-1445 | Session 5 'Learn and adapt but still lose' #Innovation&Strategy <i>(Board Deliberation)</i> | Professor Dan Marston |
| 1445-1530 | Board Presentation and Closing Address | #DEFAUS17 Board |
| 1530-1630 | Networking and Wrap Up | |
| 1630 – Bus Departs ADC | | |

#DEFAUS17 Post Forum Program

Saturday, 16 December 2017

| Time | Event | Key Speakers |
|-----------|--------------------------|------------------|
| 0900-1115 | Military Writing Network | Group discussion |



Go to **Prezi** to explore the military writing and podcasting network: <https://prezi.com/view/S9Nf5XrNj8J3x9qjx42t/>

#DEFAUS17 Post Forum Program

Saturday, 16 December 2017

| Time | Event | Key Speakers |
|-----------|---------------------|--------------------------|
| 1115-1200 | Postern Association | 2018 Information Session |



Postern

WHO WE ARE

We are an Australian Army Association fostering innovation and development for the profession of arms.

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INNOVATE

Home of DEF Australia - people innovation for our profession of arms

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DEVELOP

People network supporting professional development

THE COVE

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WHAT WE DO

JOIN US

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INNOVATE

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DEVELOP

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#DEFAUS17 Ideas

| Ideas Submitted for #DEFAUS17 | |
|--|--|
| Description | Idea Pitcher |
| Gamefying Individual Readiness | Solomon Birch |
| The Digital Veeve Tzee | Jay Douglas |
| What about a Defence University? | Andrew Schaverien and Ashley Medway |
| Joint Capability Education Proposal | Clifford Brown and Matthew van der Vloet |
| REBOA in the ADF: Implementation and Training | Abhilash Chandra and Andrew Moses |
| ADF Blockchain Community (ABC) | Chris Elles |
| Reinvigorating Adventurous Training in the ADF | Oliver Schulz, Dan Fussell and Emily Chapman |
| Understanding a link between munitions terminal effects and Post Traumatic Stress Disorder | Mathew Brooks and Steven Anthony Schmied |
| A new approach to Character Development | Richard Thampthimthong |
| Land Force Insights Team: Collaborating to Success | David Caligari |
| Military Ethics Education Playing Cards | Anthony Hogan |
| Creating a multi-user Virtual Reality Training System | Andrew Smith |
| 360 Degree Reporting for Field Forces | Benjamin May |
| Rapid 3D Imaging of Remote and Hostile Regions | Nicola Bilton and Joyce Mau |
| Bringing Range Safety into the 21 st Century | Andrew Wallace |

#DEFAUS17 Ideas

Ideas Submitted for #DEFAUS17

| Description | Idea Pitcher |
|------------------------------|--|
| Innovating a Winning Edge | Chris Elles, Rob Morris and Luke Morton |
| Electrifying the Force | Harry Wagner and Zac Tucker |
| Reducing Obesity in the ADF | Ash Wallin |
| Digital Media Communications | Ash Wallin |
| Modular Land Force | David Caligari and Zach Lambert |
| Plugging the Gap | David Ashmore, Bryan Masters and Geoffrey McMillan |
| The Military Mindfulness App | Annie Collins, Steve Funnell and Chrisafina Rick |



Image Courtesy of Department of Defence

#DEFAUS17 Board Members

Board Chairman:

MAJGEN Mick Ryan

Board Members:

Chief of Airforce – AIRMSHL Leo Davies

Deputy Chief of Army – MAJGEN Rick Burr

Founder Kokoda Foundation – Prof Ross Babbage

Representing Chief of Navy – CMDR Adam Allica



Images Courtesy of Department of Defence

#DEFAUS17 Speakers

Session 1 - #FutureFight

Keynote Speaker - Mr Alastair MacGibbon



Mr Alastair MacGibbon is the Cyber Security Special Advisor to the Prime Minister of Australia. He leads the Government's Cyber Security Strategy, aiming to transform Australia's cyber security landscape and create a cyber resilient nation. He drives partnerships between Government, private sector, NGOs and academia to develop and deliver our cyber security capability.

Prior to taking up his current appointment, Mr MacGibbon was Australia's first eSafety Commissioner. He is a 15 year veteran of the Australian Federal Police, where he founded the Australian High Tech Crime Agency. He was also the Director of the Centre for Internet Safety at the University of Canberra.

Panel Speaker – Professor Genevieve Bell



Professor Bell is the Director of the 3A Institute, the Florence Violet McKenzie Chair, and a Distinguished Professor at the ANU. She is also a Vice President and Senior Fellow at Intel Corporation. A cultural anthropologist, technologist and futurist, she is best known for her work at the intersection of cultural practise and technology development.

Professor Bell joined the ANU College of Engineering and Computer Science in February 2017, after 18 years in Silicon Valley guiding Intel's product development. She now heads the Autonomy, Agency and Assurance (3A) Institute at ANU, launched in September 2017. In collaboration with CSIRO's Data61, the Institute is tasked with building a new applied science along the management of AI, data, technology and their impact on humanity.

Professor Bell is the inaugural appointee to the Florence Violet McKenzie Chair at ANU, named in honour of Australia's first female electrical engineer. She completed her PhD in cultural anthropology at Stanford University in 1998.

Panel Speaker – Kerstin Oberprieler



Kerstin is passionate about using gamification to help individuals and organisations achieve their goals. As a leading gamification and design thinking academic and practitioner, Kerstin is pushing the boundaries of what is possible with gamification, building gamified solutions that are intuitive, highly effective, and engaging. Her recent clients include schools, the government and a restaurant, all seeking to engage their employees and learners through gamification. Her gamification experiences includes card games, board games, digital games, and team and workplace-based gamification experiences. Kerstin recently presented in Hong Kong about the power of gamification in education, and spoke at the recent TEDxCanberra about the future of gamification.

Kerstin is Lead Gamification Designer for gamification firm PentaQuest, works as a design thinking consultant for ThinkPlace, and is studying her PhD in gamification.

#DEFAUS17 Speakers

Session 2 - #Innovationatwar

Speaker – Clare O’Neill

Clare O’Neill is a Royal Australian Engineer and has been the Chief of Army Scholar and Fulbright Scholar in Australia-United States Alliance Studies at Georgetown University. Clare is the Founder of Grounded Curiosity and contributes to the Postern Association, Defence Entrepreneurs Forum Australia, Military Writers Guild, and Australian American Leadership Dialogue.

Speaker – COL Ian Langford

COL Ian Langford is a career Infantry officer with an interest in Special Forces. He has commanded at the Platoon, Company, Task Group, Joint Task Force, and Regimental level. He has served in East Timor, Solomon Islands, Bougainville, Afghanistan, the South-West Pacific, Iraq, Israel, Syria, Lebanon and on domestic counter terrorism duties.

Speaker – Dr Deane-Peter Baker

Dr Deane-Peter Baker was appointed to UNSW Canberra in August 2012. He came to Canberra from Annapolis, Maryland, USA, where he was an Assistant Professor of Ethics in the Department of Leadership, Ethics and Law at the United States Naval Academy for two and a half years. Prior to that Dr Baker was Associate Professor of Ethics at the University of KwaZulu-Natal in South Africa, where he taught for eleven years.

Dr Baker served briefly in the British Army, and served the South African Army Reserve before resigning in 2009 with the rank of Major. He was Convenor of the South African Army Strategy Research Group and part of the leader group of the Umvoti Mounted Rifles, a reserve armoured cavalry regiment. A specialist in both the ethics of armed conflict and military strategy, Dr Baker's research straddles philosophy, ethics and security studies. In 2017 he was appointed to the International Panel for the Regulation of Autonomous Weapons.

#DEFAUS17 Speakers

Session 3 - #PracticalInnovation

Speaker – GPCAPT Jerome Reid

Jerome Reid is a self proclaimed disrupter and the new Director of the Royal Australian Air Force's Plan Jericho. Plan Jericho provides the strategic framework for Air Force's transformation to a 5th-generation integrated fighting force. Through Plan Jericho, Air Force will ensure it meets the expectations of Government outlined in Defence White Paper 2016.

The Plan Jericho vision is to develop a future force that is agile and adaptive, fully immersed in the information age and truly joint.

Session 4 - #Inspiration

Speaker - Mr Phil Hayes-St Clair



Phil is Senior Vice President, Business Development at inkl and a serial entrepreneur. Prior to inkl, Phil was CEO and Co-Founder at AirShr, a world-first audio recognition and interaction technology for radio. Phil led user-centred design product teams at Suncorp and AMP, prior to which he was an Australian Army soldier.

He has a Bachelor of Applied Science from QUT, an MBA from AGSM and is an Ambassador at both Soldier On and Inspiring Rare Birds. Phil blogs each week about entrepreneurship and makes the iTunes podcast Founder To Founder. He started his first venture aged 10 and has represented Australia in triathlon.

#DEFAUS17 Speakers

Session 4 - #Inspiration (continued)

Speaker – Royal Netherlands Army

Junior Innovators - Stephan Widenerg and Colin de Vries

Speaker – USAPAC Greenbook

Innovation Partners – Dan Wilson and Connor Love

LTCOL (R) Dan Wilson is a founding member of the Defense Entrepreneurs Forum – Pacific (DEFPAC). He enlisted in the United States Army in 1984, and served four years in the 2nd Battalion, 75th Ranger Regiment. He graduated from Diego State University as a Distinguished Military Graduate and received his commission in June 1991. Over the course of 22 years of commissioned service, LTCOL(R) Wilson served in a variety of command and staff positions, including Battalion Command. He has deployed four times to combat, serving three times in Afghanistan and once in Iraq.

LTCOL (R) Wilson retired in 2013, and began working for USARPAC’s Mission Training Complex-Hawaii. He is the creator and team lead of the Soldier’s Greenbook pilot program that is working to develop innovative ways to improve Soldier, leader and team performance; and develop agile and adaptive leaders for the U.S. Army.

Connor D. Love is an active duty 1st Lieutenant (P) in the US Army. He currently serves with 3 Brigade, 25th Infantry Division in Schofield Barracks, HI. He recently received his Master's Degree from the University of Oxford in the UK. Prior to his Master's studies, Love worked as an active duty Army liaison officer at the Office of Chief Legislative Liaison in Washington, D.C.. During his time in D.C., he worked closely with Senators, their staffs, and members of the Senate Committee on Veterans’ Affairs on issues ranging from the overhaul of Department of Veterans’ Affairs under Secretary Bob McDonald to individual veteran concerns in his home state of Oregon. Prior to his time as a liaison officer, Love graduated from the United States Military Academy (USMA) at West Point and was commissioned as a Second Lieutenant in the Armor branch.

Love is the recipient of multiple awards, including the Rotary International Scholarship, the USMA Leader-Athlete award, and one of Business Insider’s “Most Impressive Students at West Point.”

#DEFAUS17 Speakers



Session 5 - #Innovation&Strategy Speaker – Professor Dan Marston

Daniel Marston BA MA (McGill) DPhil (Oxon.) FRHistS holds a Professorship in Military Studies and is also the Principal of the Military and Defence Studies Program at the Australian Command & Staff College in Canberra. He previously held the Ike Skelton Distinguished Chair of the Art of War at the US Army Command and General Staff College. He has been a Visiting Fellow with the Oxford Leverhulme Programme on the Changing Character of War. He was previously a Senior Lecturer in War Studies at the Royal Military Academy Sandhurst. He has been working with the USA, USMC, British Army in Iraq and Afghanistan since 2006.

Prof Marston's research focuses on the topic of how armies learn and reform. His first book *Phoenix from the Ashes*, an in-depth assessment of how the British/Indian Army turned defeat into victory in the Burma campaign of the Second World War, won the Field Marshal Templer Medal Book Prize in 2003. The second volume, *The Indian Army and the End of the Raj*, was Runner Up for the Templer Medal in 2014. He completed his doctorate in the history of war at Balliol College, Oxford University, and is a Fellow of the Royal Historical Society.

Postern Association Sponsors

The Postern Association Committee and members of the #DEFAUS17 Committee would like to thank the following sponsors for believing in junior innovation and professional development.

Major Sponsor – Elbit Systems of Australia



Minor Sponsor – Daronmont Technologies



#DEFAUS17 Safety Details

- The forum will take place in vicinity of #18 on the map below. In the event of an evacuation follow the red lines to the Evacuation Assembly Area and await further guidance from safety staff.
- In the event of a lock-down, if outside, move inside and stay in the Blamey Theatre (or nearest room) shut all windows, blinds and doors and remain until safety staff deem it safe to emerge.
- Any **serious injuries or medical emergencies call '000'** then inform DEF AUS Staff, they will seek medical aid on site and inform the front gate whilst awaiting an ambulance.
- Any members with a minor injury or illness should report to the Duntroon Health Centre (or your posted health centre if local).
- There are snake sightings around ADC Weston Creek so keep an eye out and avoid where possible.



#DEFAUS18 Committee

#DEFAUS17 is only possible with the hard work done by volunteers in their own time. This forum would not have happened without the following rockstars:

Clare O'Neill
Thomas McDermott
Jasmin Diab
Gareth Rice
Kelly Dunne
Wade Cooper

DEF Australia is looking for motivated young defence members to help with #DEFAUS18

If you want to be involved in DEFAus 18 please email defaustralia@gmail.com



Innovation Allies

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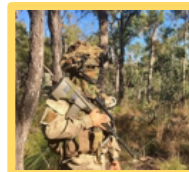


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