





Defence Human Sciences Symposium 2021 Program Monday, 29 November	
09:15 - 10:00	Opening Session
	Chair: Dr Nick Beagley, Defence Science and Technology Group, Department of Defence
09:15 - 09:25	Call to Order and Housekeeping
	Dr Nick Beagley, Department of Defence
09:25 – 09:30	Acknowledgement of Country
	Gheran Yarraman Steel, The Boon Wurrung Foundation
	Member of the Kulin people, the Boonwurrung and Woiwurrung People, traditional
	owners of University land in Victoria, Victoria University
09:30 - 09:45	Opening Remarks
	Professor Tanya Monro, Chief Defence Scientist, Defence Science and Technology
	Group, Department of Defence
09:45 -10:00	Opening Remarks
	Professor Adam Shoemaker, Vice-Chancellor and President, Victoria University
10:00 - 14:40	Session 1: Operating in Cyber; Information Warfare; and Chemical, Biological,
	Radiological, and Nuclear environments
	Chair: Dr David Crone, Defence Science and Technology Group, Department of Defence
10:00 – 10:20	Organisational Fake News: Does it Matter Who Corrects it and What They Say?
	Benjamin Kropf, Kathryn Parsons and Martin Wood
10:20 - 10:40	Countering Grey Zone Warfare Using Open-Source Intelligence to Interrupt Online
	Radicalisation Narratives
	Carmen Jacques, Lelia Green, Kosta Lucas, Nuria Lorenzon-Dus, Lella Nouri and Daniel
	Baldino
10:40 – 11:00	The Strategy of Proxy Warfare: A Framework for Operation OKRA Analysis
	Andrew Maher
11:00 - 11:20	Break
11:20 – 11:40	Overcoming Human Performance Challenges of Operating in CBRN Environments
	Harriet Slack and Philip Temby
11:40 – 12:00	Validating unobtrusive measures of psychological states to predict negative responses
	to distressing imagery for resilient human performance
	Carolyn Semmler, Sau Yee Yiu, Desmond Yau, Gary Hanley, Kym Meaney, Rebecca
	Heyer, Sam Darvishi, Siobhan Banks, Reg Nixon and Melanie Takarangi
12:00 – 12:10	Cognitive Biosecurity: Assessing and training perceptual expertise for Defence
	biosecurity threats

	Matthew Thompson, Varun Gandhi, Guillermo Campitelli, Chad Hewitt, Kelly Tartano,
	Rebecca Ware, Shayne Loft, Richard Piola, Marnie Campbell and Zach Hambrick
12:10 – 12:20	Towards enhancing human cognition in the cyber domain: insights from a scoping
	review
	Benjamin Hoggan
12:20 – 12:30	Cybersecurity behaviours under cognitive load: are you more vulnerable when you
	are tired?
	Andrew Reeves, Dragana Pittas and Paul Delfabbro
12:30 – 13:30	Lunch
13:30 – 14:00	Posters on Demand Author Q&A
14:00 - 14:40	Keynote Presentation
	Chair: Dr David Crone, Defence Science and Technology Group, Department of Defence
14:00 – 14:40	Defence Keynote
	Commodore Andrew Quinn, Director General Surface Combatants and Aviation
14:40 - 17:00	Session 2: Sleep + Fatigue
	Chair: Prof. David Bishop, Victoria University
14:40 – 15:00	P3R - Persistence of sleep restriction during Army basic training
	Penelope Larsen, Jace Drain, Neil Gibson, John Sampson, Scott Michael, Gregory
	Peoples and Herbert Groeller
15:00 – 15:20	A Smart LED Lighting System Increases Polysomnography-Derived Sleep Duration
	Relative to Current Lighting Conditions in Encapsulated Environments
	Nicole Stuart, Jack Manners, Alisha Guyett, Hannah Scott and Peter Catcheside
15:20 – 15:40	Understanding the dynamic relationship between fatigue and workload in submarine
	operations: Evidence from sea trials
15 10 10 00	Belinda Cham, Alexandra Boeing, Michael David Wilson and Karina Jorritsma
15:40 – 16:00	Break
16:00 – 16:10	P3R - Exploratory Evaluation of Daily Workload and Sleep during the Infantry Initial
	Employment Training Course
	Penny Larsen, Jace Drain, Michael Kitcher and Herbert Groeller
16:10 – 16:20	A personalised digital sleep and circadian management tool for human performance
	Tracey Sletten, Prerna Varma, Jade Murray, Michelle Magee, Lauren Booker, Sanji
	Kanagalingam, Svetlana Postnova, Andrew Phillips, Mark Howard and Shantha
16.20 16.20	Rajaratnam The Invest of Mouldent Class Bouriestics and Time of Bourse Contained Attention
16:20 – 16:30	The Impact of Workload, Sleep Deprivation and Time of Day on Sustained Attention
16:30 – 16:40	Isabella Marando, Raymond Matthews, Linda Grosser, Crystal Yates and Siobhan Banks
16:30 - 16:40	Differential effects of sleep deprivation and sleep restriction on real-time decision
	error awareness Johanna M Boardman, Zachariah R Cross, Michelle M Bravo, Thomas Andrillon, Eugene
	Aidman, Clare Anderson and Sean Drummond
16:40 – 16:50	Using non-invasive brain stimulation to offset the effects of sleep deprivation
10.40 - 10.30	Martin Sale
16.50 - 17.00	Combining countermeasures: nanning and caffeine gum to improve performance
16:50 – 17:00	Combining countermeasures: napping and caffeine gum to improve performance
16:50 – 17:00	during nightshift
16:50 – 17:00	during nightshift Crystal Yates, Jacqueline Stepien, Jillian Dorrian, Alison Coates, Kurt Lushington, Allan
16:50 – 17:00 17:00	during nightshift

Tuesday, 30 No	vember
09:00 - 15:30	Session 3: Novel interventions to improve performance
	Chair: Dr Katie Tooley, Defence Science and Technology Group, Department of Defence
09:00 - 09:20	Building a transdisciplinary expert consensus on the neurocognitive drivers of
	performance under pressure: An international Delphi study
	Lucy Albertella, Rebecca Kirkham, Amy B. Adler, John Crampton, Sean Drummond,
	Gerry J. Fogarty, James J. Gross, Leonard Zaichkowsky, Eugene Aidman and Murat Yucel
09:20 - 09:40	Improving musculoskeletal injury surveillance methods in Special Operation Forces: A
	Delphi consensus study
	Joanne Stannard, Caroline Finch and Lauren Fortington
09:40 - 10:00	Improving Soldier Targeting Performance Through Head and Weapon Mounted
	Displays
	Chris Brady, Angela Bender, Sasha Quayum and Ryan Dummin
10:00 - 10:20	Predicting team performance from neural activity: Evidence from real-world military
	training
	Zachariah Cross, Alex Chatburn, Lee Melberzs, Philip Temby, Diane Pomeroy, Matthias
	Schlesewsky and Ina Bornkessel-Schlesewsky
10:20 - 10:40	The Impact of Digital Image Configuration on Periscope Operator Workload, Situation
	Awareness and Performance
	Steph Chen, Zach Howard, Stephen Pond, Troy Visser, Jason Bell, Gavin Pinniger, Jessica
	Irons, Megan Schmitt, Madison Fitzgerald, Matthew Stoker, Owen Carter, Sam Huf and
	Shayne Loft
10:40 – 11:00	Dietary supplement use in the ADF: time for change?
44.00 44.00	Bianka Probert, Rosa Peterson and Bradley Baker
11:00 - 11.20	Break
11:20 – 11:30	Effects of a Sports-Hydration Drink Containing High Amylose Starch on the Hydration
	Status and Cognitive Performance of Infantry Soldiers
11 20 11 10	Bianka Probert, Rosa Peterson and Bradley Baker
11:30 – 11:40	Effects of combined cognitive and physical training on cognition in healthy young
	adults: A systematic review
11.40 11.50	Sasha Nahleen, Philip Temby, Ben Rattray, Amit Lampit and Jonathan Connor
11:40 – 11:50	The Effect of Full Motion Video from Uninhabited Aerial Systems on Maritime Picture
	Compilation Task Performance Tom Fahy and Kingsley Fletcher
11:50 – 12:00	Integrated multi-modal evaluation of Augmented Reality information systems for
11.50 – 12.00	active tasks
	Anna Ma-Wyatt, Larissa Cahill, Dominic Thewlis, Jessica O'Rielly, Steven Wiederman,
	Ryan Dummin, Steven Cook, Marlon Blencowe and Edward Palmer
12:00 – 12:10	Next generation colour displays and Laser Eye Protection: optimising both
	performance and safety
	Amanda Douglass, Larry Abel and Maria Gavrilescu
12:10 – 12:20	Using Weapon-Mounted Sensors for Combat Shooting Training
	Jemma Coleman and Mark Biviano
12:20 – 12:30	Investigating the benefits and costs of target detection aids
	Salvatore Russo, David Nicoll, Megan Bartlett, Mike Nicholls and Oren Griffiths
12:30 - 13:30	Lunch
13:30 – 14:00	Posters on Demand Author Q&A
14:00 – 15:30	Special session: Shaping the Defence Human Sciences Community
	Chair: Dr Susannah Whitney, Defence Science and Technology Group,, Department of
	Defence
	D CI CITOC

44.00 44.45	
14:00 – 14:15	Augmenting Ability Collaborative Research Centre (CRC) update Siobhan Banks
14:15 – 14:35	Defence Research Ethics Review: From Compliance to a User-friendly Quality
14.13 – 14.33	Assurance Mechanism
	Lisa Headley, Warren Roberts, Kathryn Parsons, Alison Fogarty, Megan Schmitt, Angela
	Arvanitis, Brandon Pincombe, Christopher Best, James Brooks, Dragana Pittas, Martin
44.05 45.00	Wood, Sarah Leslie, Joanne Allard, Yasmine Shaheem, Eugene Aidman
14:35 – 15:30	Panel: Human Sciences in the time of COVID
	Peta Mantel, Darrin Tyson, Susannah Whitney, Troy Visser and Vanessa Bowden
15:30 – 15:45	Break
15:45 - 17:35	Session 4: R3 - resilience, readiness, recovery
	Chair: Prof. Alex Parker, Victoria University
15:45 – 16:05	A biofeedback-enabled, virtual reality, stress management training application for
	military trainees: From concept development to implementation
	Murielle Kluge, Eugene Nalivaiko, Rohan Walker and Eugene Aidman
16:05 - `16:25	Fostering Team Resilience via the 'STOP then Resource' Reflection Protocol: A Pilot,
	Non-Randomised Investigation of Feasibility Within Military Settings
	Michael Chapman, Philip Temby, Lee Melberzs, Monique Crane and Daniel Gucciardi
16:25 – 16:35	Trauma history is associated with a 1/f Electroencephalography signature in the
	MEAOPS combat sample
	Kai Tit Tan, Andrew Lawrence, Ellie Lawrence-Wood, Suzanne Edwards, Nigel Rogasch,
	K Oliver Schubert, Mitchell Goldsworthy, Scott R Clark and Alexander McFarlane
16:35 – 16:45	The Longitudinal Australian Defence Force (ADF) Study Evaluating Resilience: A
	summary of key findings and themes from a ten year research program evaluating
	resilience in early career
	Lisa Dell, Carolina Casetta
16:45 – 16:55	The Lived Experience of Psychological Contract Formation and Breach in the
	Australian Defence Force: An Interpretative Phenomenological Approach
	Anjum Naweed, Luke Hodgkinson and Raymond Matthews
16:55 – 17:05	Understanding Navy deployment at sea: Qualitative study of demands, resources,
	recovery, and resilience during maritime operations
	Gavin Hazel, Monique Crane, Daniel Gucciardi and Ben Searle
17:05 – 17:15	The Acute Readiness Monitoring Scale (ARMS): Assessing predictive and concurrent
	validation
	Simon Summers, Richard Keegan, Andrew Flood, Kristy Martin, Andrew McKune and
	Ben Rattray
17:15 – 17:25	Decision aids can improve operator resilience by enhancing learning
	Oren Griffiths, Aidan Court, Sal Russo, Irina Baetu, Megan Bartlett, Gemma Robertson
	and Mike Nicholls
17:25	End of day
_	

Wednesday, 01 December		
09:00 – 12:40	Session 5: Characterising the environment and effects on performance Chair: Dr Mark Patterson, Defence Science and Technology Group, Department of Defence	
09:00 - 09:20	Can communication dynamics be used to predict team cognition in command-and-control contexts? Simon Hosking, Melissa Stolar, Patrick Watkinson, Chris Best and Dawei Jia	
09:20 – 09:40	Understanding how submariner work design relates to performance and workforce sustainability: Preliminary outcomes from a whole-of-workforce survey Alexandra Boeing, Belinda Cham, Katrina Hosszu and Karina Jorritsma	
09:40 – 10:00	A Comparison of Overground and Treadmill Walking During Exoskeleton Assisted Load Carriage Logan Hard, Kurt Mudie, Daniel Billing and Rezaul Begg	
10:00 – 10:20	P3R - A comprehensive analysis of injuries during Army basic military training: Do reporting methods matter? Neil Gibson, Jace Drain, Penelope Larsen, Scott Michael, Herb Groeller and John Sampson	
10:20 – 10:40	A longitudinal exploration into the effects of 1RTB military training on aspects of cognition, well-being and diet in Australian Army recruits: Preliminary findings from the HPRnet Microbiome study Matthew Cooke, Katie Tooley, Sarah Catchlove, Con Stough, Shakuntla Gondalia, Bradley Baker and Regina Belski	
10:40 – 11:00	Blood based biomarkers of cognitive and physical performance Daniel Barratt, Joshua Holmes, Sanam Mustafa, Juliana Bajic, Daniel Kolarich, Nicki Packer, Ewa Goldys, Ian McKeown, Anna Ma-Wyatt, Carolyn Semmler and Mark Hutchinson	
11:00 - 11.20	Break	
11:20 – 11.30	Recruitment into Elite Soldier Units: A Physical Readiness Study	
	Lisa Wolski, Alison Fogarty, Benjamin Kamphuis, Tavis Nicholson and Mark Halaki	
11:30 – 11:40	P3R — Physical and Physiological Demands of Basic Military Training Scott Michael, Jace Drain, Penelope Larsen, Neil Gibson, Aleck MacNally and Herbert Groeller	
11:40 – 11:50	Human Intrinsic Capacity Index as a Measure of Performance in Military Science Azmeraw Amare, Liliana Ciobanu, Beben Benyamin, Scott Clark and Renuka Visvanathan	
11:50 – 12:00	The Effect of Biological Sex on Lower-Limb Coordination Variability During Load Carriage Brooke Hoolihan, Jon Wheat, Ben Dascombe, Danielle Vickery-Howe and Kane Middleton	
12:00 – 12:10	The Effect of Weapon Handling on Stride Time Variability Patrick Slattery, Luis Eduardo Cofre Lizama, Jon Wheat, Paul Gastin and Kane Middleton	
12:10 – 12:20	Decision strategies: causal investigations of the trade-off between decision speed and accuracy in the frontal cortex Hannah Filmer and Paul Dux	
12:20 – 12:30	Predicting performance on a simulated submarine control room task from discrete cognitive abilities and resting-state EEG Chloe Dziego, Ina Bornkessel-Schlesewsky, Sophie Jano, Alex Chatburn, Matthias Schlesewsky, Maarten Immink, Ruchi Sinha, Sam Huf, Jessica Irons, Megan Schmitt, Steph Chen and Zachariah Cross	

12:30 – 12:40	Random Forest for Event Classification of Eye Movements: Towards Effective Cognitive Workload Estimation
	Hadia Tazeem, Atul Sajjanhar, Tsz-Kwan Lee and Dawei Jia
12:40 – 13:40	Lunch
13:40 – 14:10	Posters on Demand Author Q&A
14:10 - 16:10	Session 6: Human and human-machine teams
	Chair: Prof Rezaul Begg, Victoria University
14:10 – 14:30	Case Study: Ethical AI in Defence and Allied IMPACT
	Dianna Gaetjens, Kate Devitt and Chris Shanahan
14:30 – 14:50	Getting Team Members on the Same Page by Enhancing Shared Mental Models: A
	Systematic Review and Meta-Analysis of Controlled Trials Daniel Gucciardi, Robin Lines, Benjamin Hoggan, Sasha Nahleen, Philip Temby and
	Monique Crane
14:50 – 15:10	The Impact of Leadership Behaviors on Team Trust, Team Voice and Decision Making
	in the Extreme Action Teams
	Ruchi Sinha, Gillian Yeo, Cecilia Tournour, Dilkash Parabia, Andrew Yu, Bart De Jong and
	Chia-Yen Chiu
15:10 – 15:20	Break
15:20 – 15:30	Team Dynamics for Enhancing Decision-Making
	Sebastian Tsui, William Tang, Yoona Choi and Wesley McTernan
15:30 – 15:40	Modelling and monitoring human operator performance
45.40 45.50	Jessica O'Rielly, Kelli Francis-Staite, Langford White, Justin Fidock and Anna Ma-Wyatt
15:40 – 15:50	Training and Educational Requirements of Australian Future Autonomous Ship's Operator
	Gholam Reza Emad, Rachel Horne and Mehrangiz Shahbakhsh
15:50 – 16:00	Digital Twins as a Human-Autonomy Teaming Decision Aid
	Rachel Mate
16:00 - 16:10	Designing for Agility in an Envisioned Command and Control World: Application of
	Cognitive Work Analysis to Human-Al Teams
	Rebecca Ong and Neelam Naikar
16:10 – 16:30	Break
16:30 – 17:00	Closing Session
	Chair: Dr David Crone, Department of Defence
16:30 – 16:45	Presentation of awards
16:45 – 17:00	Closing remarks and thanks
17:00	Conference end

Posters on Demand

Monday, 29 November – Wednesday, 1 December

Theme: Sleep and Fatigue

Trait-level Cognitive and Psychological Factors Associated with Resilience to Sleep Disturbance during COVID-19

Sean Drummond, Joshua Wiley, Johanna Boardman, Tony Cunningham and Elizabeth Kensinger

The Timing of Daytime Sleep can be used Strategically to Manipulate the Response of the Internal Body Clock to Night Work

Greg Roach, Drew Dawson and Charli Sargent

The influence of variability in bed and wake times on quality of sleep in elite athletes

Shona Halson, Rich Johnston, Charli Sargent and Greg Roach

Theme: Novel interventions to improve performance

The Role of Established and Newly Proposed Cognitive Fitness Constructs in Compliance with COVID-19 Protective Measures and Psychological Recovery: A Validation Study

Sabina Kleitman, Dayna J. Fullerton, Lisa Zhang and Eugene Aidman

P3R - Impact of a pre-conditioning program on training outcomes in female Army recruitsJace Drain, Penny Larsen and Herbert Groeller

Exploring changes in the host gut microbiota during a controlled human infection model for Campylobacter jejuni

Blake Stamps, Janelle Kuroiwa, Sandra Isidean, Megan Schilling, Clayton Harro, Kawsar Talaat, David Sack, David Tribble, Alexander Maue, Joanna Rimmer, Renee Laird, Chad Porter, Michael Goodson and Frédéric Poly

Improving automation supervision: Can a voluntary checking tool mitigate the costs of high-degree automated support?

Vanessa Bowden and Shayne Loft

Interaction in virtual environments

Ken McAnally and Guy Wallia

The Effects of Decision Aid Presentation on Decision-Making in a Multi-Cue Signal Identification Task Jessica Szulc, Kingsley Fletcher and Cassandra Heffernan

Medical Training for Remote and Extreme Environments

Sarah Bascomb, Edi Albert, Brenton Systermans, Lari Trease, Gordon Cable and Glenn Singleman

The effects on cognitive performance of apparel fibre type and task complexity

Carolyn Semmler, Amy Nielson, Charlie Scott and Sam Ropert

Artificial Intelligence based Smart Technology for Engineering Education Training

Monica Racha, Siva Chandrasekaran and Alex Stojcevski

Improving the measurement of attentional conflict resolution

Talira Kucina, Lindsay Wells, Amelia Kohl, Ian Lewis, James Sauer, Matt Palmer, Kristy de Salas and Andrew Heathcote

Future Force: Enhancing Shipbuilding Operations with Exoskeletons

Robert Trott, Chambers Annabelle, Armando Vozzo, David Hobbs and Giselle Rampersad

Augmenting military pilot training through an unobtrusive eye-tracking system

Alexander Robinson, Kyle Wilson, Mike Lenné and Mark Corbett

New shelf stable food technology to enable future feeding systems with increased resilience and performance

Roger Stanley, Lan Bui, Amir Ghandi, Ross Coad, Ky Nha Huynh and Samantha Sawyer

Theme: R3: resilience, readiness, recovery

Monitoring Recovery From Muscle Damage Caused By Training

Chris James and Peter Arthur

Using Past and Present Indicators of Human Workload to Explain Variance in Human Performance Zach Howard, Ami Eidels, Reilly Innes and Shayne Loft

Performance-Focused Cognitive Fitness Intervention for Athletes Affected by COVID-19

John Crampton, Jeffrey Bond, Gerry Fogarty, Tony Morris and Len Zaichkowsky

A Meta-analysis of Deployment-related Demands and Resources for Emotional Resilience, Cognitive Functioning and Job-performance in Military Personnel

Monique Crane, Daniel Gucciardi, Gavin Hazel, Arian Kunzelmann, Thomas Rigotti, Ben Searle and Eyal Karin

The Role of Emotional Awareness: A Qualitative Investigation into the Resilience of Emergency Services Personnel

Emily Jacobs and Richard Keegan

Risk, Resilience and Recovery: Maximising Human Health and Performance in Extreme Environments through Interdisciplinary Translational Research Paradigms

Kimberley Norris, Roger Stanley, Nathan Pitchford, Steven Curnin, Graeme Zosky, Benjamin Brooks, Andy Flies, Angela Martin, Meredith Nash, Megan Woods and Sarah Basc

Theme: Characterising the environment and effects on performance

The physiological effects of weapon handling during load carriage

Danielle Vickery-Howe, Jace Drain, Ben Dascombe, Anthea Clarke and Kane Middleton

Soldier neuromuscular fatigue in response to varying simulated occupational field tasks: utility of the counter movement jump and isometric mid-thigh pull

Michael Macartney, Tavis Nicholson, Benjamin Kamphuis, Lisa Wolski, Alison Fogarty, Robert Dunlop, Herbert Groeller and Gregory Peoples

Gut microbiota and its neuroactive potential corelated to cognitive functions in the healthy elderly adults

Mrudhula Komanduri, Con Stough and Shakuntla Gondalia

Mechanisms of vigilance loss: Sensitivity decrements less robust than bias shifts and attentional lapses Shannon Gyles, Jason McCarley and Yusuke Yamani

The effect of weapon handling and walking speed on local dynamic stability of gait

Luis Eduardo Cofre Lizama, Kane Middleton, Patrick Slattery and Jon Wheat

Physical and Physiological Load Monitoring in Military Settings — Opportunities and Pitfalls Scott Michael

The most discriminant components of force platform data for gait based person re-identification Kayne Duncanson, Simon Thwaites, David Booth, Gary Hanly, Ehsan Abbasnejad, William Robertson and Dominic Thewlis

Predicting real-time listener engagement from electrical brain activity: a proof-of-concept study Ashley Platt, Louise Kyriaki, Matthias Schlesewsky and Ina Bornkessel-Schlesewsky

Early detection of high risk trials during manual handling tasks using machine learning models Abdelrahman Zaroug, Alessandro Garofolini, Jasmine Proud, Daniel Lai and Rezaul Begg

Effect of exercise training programs on musculoskeletal physical fitness domains in military personnel: A systematic review and meta-analysis

Chelsea Smith, Kenji Doma, Brian Heilbronn and Anthony Leicht

Towards "appreciation superiority": a set of proxy measures

Luke Thiele and Philip Temby

A method to define athlete manoeuvrability in field-based team sports

Grant Duthie, Sam Robertson and Heidi Thornton

Strategy use with an optimal observer aid in noisy multiple-cue judgments

David Nicoll, Kingsley Fletcher, Megan Bartlett, Oren Griffiths, Mike Nicholls and Jason McCarley

Assessing lower limb running biomechanics using inertial measurement units

David Opar, Kara Price, Ryan Timmins, Jack Hickey, Scott Hulm and Nirav Maniar

Semi-Active Low-profile Assistive Arm-Exoskeleton System with an Adaptive Configuration Asher Winter, Darius Nahavandi and Navid Mohajer

Expertise and Skill Learning Knowledge Can Accelerate Performance of Soldiers

Sean Muller, Evan Dekker, Khaya Morris-Binelli, Benjamin Piggott, Gerard Hoyne, Zach Hambrick and Wayne Christensen

Effect of load carriage on gait variability: a case study

Alessandro Garofolini, Simon Taylor and Rezaul Begg

P3R - The Whole Blood Fatty Acid Profile and the Omega-3 Index of Australian Army Recruits over the Course of Basic Military Training

Gregory Peoples, Penelope Larsen, Heather Bowes, Jarrin Coombes, Jace Drain, Herbert Groeller and Peter McLennan

Reliability of Sparta Science assessments in Army personnel

Anthony Leicht, Chelsea Smith, Kenji Doma, Brian Heilbronn and Jace Drain

Theme: Human and Human-Machine Teams

Autonomous Systems Reducing the Burden of Last Mile Logistics Resupply

Matthew Lane, Rita Arrigo, Ben Southgate and Marceline Overduin

Conceptualising the Work Domain of Human-Machine/AI Teams in the Future Force

Sheena Care and Neelam Naikar

A Closed-Loop AR-based System for Real-World BCI Application

Yu-Kai Wang and Campbell Gorman