

**Defence Human Sciences Symposium  
15th - 16th September, 2009**

**Day 1 - Tuesday 15th September**

**Location: David Warren Auditorium (Building 22, Fishermans Bend)**

Session	Session Time	Event time	Duration	Speaker	Affiliation	Title
Registration					08:45 - 9:30	
Introduction	09:30 - 10:40	09:30 - 09:50	20	Bob Clarke	Chief Defence Scientist - DSTO	Official Opening
		09:50 - 10:30	40	MAJGEN Orme		Keynote Address
		10:30 - 10:40	10	Nick Beagley	DSTO - Human Protection and Performance Division	HS HUB leader
Morning Tea					10:40 - 11:10	
Session 1: ADF Operations Chair: Steve Talbot	11:10 - 12:30	11:10 - 11:30	20	Philip Temby	DSTO - Land Operations Division	Reasons for Voluntary Withdrawal and Predictors of Success Among Australian Special Forces Candidates
		11:30 - 11:50	20	Monique Crane	Directorate of Mental Health, Department of Defence	ADF Resilience Training: The Evaluation of a New ADF Resilience Training Initiative
		11:50 - 12:10	20	Cherie Nicholson	Directorate of Mental Health, Department of Defence	A Model Of Posttraumatic Stress Development And Areas Of Potential Intervention
		12:10 - 12:30	20	Susannah Whitney	DSTO - Land Operations Division	Human Sciences Support to Army Modernisation Experimentation: Insights, Challenges, and Future Directions
Lunch and Poster Session 1	12:30 - 13:30	TBC	5	Deidree McGhee	University of Wollongong	Beneath The Uniform: Breast Support For Female Army Recruits
		TBC	5	Nicola Thomas	DSTO - Marine Operations Division	Team Bonding or Breakdown? The Effect of Increased Mental Workload on Team Cohesion and Perceived Team Performance
		TBC	5	Paul Miller	DSTO - Human Protection and Performance Division	Development of a System for the Assessment of Respiratory Protection Provided to Military End Users
		TBC	5	Kingsley Fletcher	DSTO - Marine Operations Division	Development of a Scale for Repeated Measures of Mood State
Session 2: Physical Performance Chair: Mark Patterson	13:30 - 15:00	13:30 - 13:50	20	Dan Billing	DSTO - Human Protection and Performance Division	Development of All Corps Soldier (ACS) Physical Employment Standards (PES) for the Australian Army
		13:50 - 14:10	20	Helen Kilding	Defence Technology Agency, New Zealand Defence Force	Changes in physical fitness and well-being during New Zealand Army basic training
		14:10 - 14:30	20	Richard Parker	Scion (New Zealand Forest Research Institute Ltd)	Wearable Sensors To Measure Productivity And Workload In Hazardous Tasks - Tree Felling And Rural Fire Fighting
		14:30 - 14:50	20	Hunter Armstrong	International Hoptology Society, USA	"The Two Faces of Combatives": Understanding the Foundation of Functional Human Performance in Combat
Afternoon Tea					15:00 - 15:30	
Session 3: Teamwork Chair: Chris Best	15:30 - 17:00	15:30 - 15:50	20	Peter Essens (Hans van den Broek)	TNO Human Factors, Netherlands	Effective Collaboration of Network Enabled Military Teams
		15:50 - 16:10	20	Andrew Au	DSTO - Joint Operations Division	Evaluating Team Interactions in Dynamic Targeting
		16:10 - 16:30	20	Miranda Cornelissen	TNO Human Factors, Netherlands	Measuring Command Team Effectiveness
		16:30 - 16:50	20	Paul Salmon	Monash University	The Selection And Implementation Of Technologies For Future Defence Force Vehicle Operator Training: A Review Of Novel Training Technologies And Development Of A Best Practice Model
Close					17:00	
Conference Dinner					19:00 - 23:00	

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**Day 2 - Wednesday 16th September**

**Location: David Warren Auditorium (Building 22, Fishermans Bend)**

Session	Session Time	Event time	Duration	Speaker	Title	
Registration						
Session 4: Keynote 2 and Thermal Physiology Chair: Dan Billing	09:00 - 10:30	09:00 - 09:40	40	Nigel Taylor	University of Wollongong	Keynote 2
		09:40 - 09:50	10	Mike Bonner	DSTO - Land Operations Division	HS HUB Executive
		09:50 - 10:10	20	Joanne Caldwell	University of Wollongong	Water-Immersion Treatments for Exertional Hyperthermia
		10:10 - 10:30	20	Anne van den Heuvel	University of Wollongong	Do Not Always Listen To The Manufacturers: Undergarments Are Of No Physiological Benefit For Personnel Working In Body Armour In Hot Environments
Morning Tea						
10:30 - 11:00						
Session 5: Usability Chair: Susan Cockshell	11:00 - 12:30	11:00 - 11:20	20	James Kehoe	University of New South Wales	Do Rehearsal and Reminders increase Safety Compliance? Only a Little
		11:20 - 11:40	20	Gregory Judd	DSTO - Land Operations Division	An investigation into the effect of simulated ground vehicle motion on the performance of command and control tasks using an in vehicle, Battle Management System
		11:40 - 12:00	20	Simon Hosking	DSTO - Air Operations Division	The Effects Of Pitch-Ladder Symbology On Helicopter Control
		12:00 - 12:20	20	Kate Ponton	DSTO - Marine Operations Division	Mental Workload Measurement of the Submarine Track Manager
Lunch and Poster Session 2	12:30 - 13:30	TBC	5	Robert FosterLee	Naval Aviation Group	The Utility Of The Checklist Of Individual Strength And Mental Health Indices In Assessing Fatigue Within The Royal Australian Naval Aircraft Maintenance Workforce
		TBC	5	Rebecca Heyer	DSTO - Land Operations Division	Security through Science: Human Sciences Contributions to Biometrics Research
		TBC	5	Lan Bui	DSTO - Human Protection and Performance Division	The Formation of Fat Bloom on Military Ration Chocolate
		TBC	5	Pete Kerry	University of Wollongong	An Evaluation Of Thermal Protective Clothing For Fire Fighting.
Session 6: Health and Performance Chair: Suzanne Hanna	13:30 - 15:20	13:30 - 13:50	20	Susan Treloar	Centre for Military and Veterans Health (CMVH)	Overview of a combined NNAI deployment health dataset
		13:50 - 14:10	20	Peter Blanchonette	DSTO - Air Operations Division	Australian Defence Force Anthropometry
		14:10 - 14:30	20	Mark Symmons	Monash University	Haptics: Fundamental Questions Still To Resolve And Their Importance For Defence Applications
		14:30 - 14:50	20	Paul Elischer	DSTO - Marine Platforms Division	Risk Of Fatigue And Injury Due To Slamming And Vibration Exposure From High Speed Craft Transit Operations
		14:50 - 15:10	20	Alastair Warren	Psychology Research and Technology Group, Department of Defence	The Effects of General Computer Usage and Gaming on Computerised Complex Psychomotor, Reaction Time and Cognitive Test performance
Afternoon tea						
15:10 - 15:30						
Session 7: Organisational Learning Chair: Maya Drobnjak	15:30 - 16:10	15:30 - 15:50		Christina Stothard	DSTO - Land Operations Division	How To Win Friends And Influence People: Social Capital, Social Networks And Organisational Learning In Army
		15:50 - 16:10		Steven Talbot	DSTO - Land Operations Division	Lead Me, Follow Me, or Get Out of My Way [1]: Leadership and Learning in the Australian Army
Symposium Awards and Close	16:10 - 16:30	16:10 - 16:30	20	Mike Bonner	DSTO - Land Operations Division	HS HUB Executive
Close						
16:30						