



**Research Network for a Secure Australia**  
Protecting Australian Infrastructure

**RNSA SECURITY TECHNOLOGY CONFERENCE**  
**Day 3 - 21 September 2006**

Security Technology Conference - convened by the <a href="#">Research Network for a Secure Australia (RNSA)</a>				
9:00	Welcome A/Prof Priyan Mendis, Convener, RNSA			
9:10	<b>Critical Infrastructure Protection Modelling and Analysis Program (CIPMA)</b> Michael Jerks, Attorney-General's Department and Greg Scott, Geoscience Australia			
9:45	<b>Panel on the challenges and opportunities in establishing joint industry, research institution and government projects</b> <ul style="list-style-type: none"> <li>• Dr Richard Davis, National Security Science and Technology Unit, Dept of Prime Minister and Cabinet</li> <li>• Mike Rothery, Mike Rothery, Assistant Secretary, Critical Infrastructure Protection, Attorney-General's Department</li> <li>• Jason Brown, ADI Limited</li> <li>• A/Prof Priyan Mendis, University of Melbourne</li> </ul>			
10:30	Break			
	<b>Stream 1</b>	<b>Stream 2</b>	<b>Stream 3</b>	<b>Stream 4</b>
11:00	<b>An update on full scale blast tests in Woomera 2006</b> John Ramsay, A/Prof Priyan Mendis and R.Lumantarna, APTEs, The University of Melbourne	<b>Transport network reliability and security implications</b> Prof Michael Bell, Imperial College, UK	<b>Threat and fraud intelligence</b> John Slitz, Vice President, IBM Entity Analytics	<b>A Multimodal Biometric System for User Authentication</b> Vamsi Krishna Madasu, Queensland University of Technology
11:20	<b>Polymer reinforced CRC for improved performance under close-in detonations</b> B. Riisgaard, A. Gupta and T. Ngo, APTEs, The University of Melbourne			<b>Intelligent video (behaviour analysis) solutions for critical infrastructure</b> Michael Henson, QOLiT Pty Ltd
11:40	<b>An engineering-level tool for predicting airblast loads behind blast perimeter barriers and their effectiveness</b> Dr Alex Remennikov, University of Wollongong	<b>Development of the RNSA transport strategy for Australia: considerations for passengers and freight</b> Prof Mike Taylor, University of SA	<b>Redundancy and Resilience: A Contingent Approach to Risk Management</b> Dr Kevin Foster, Connell Wagner	<b>An Adaptive Rule-based Intrusion Detection Architecture</b> Kamran Shafi, Hussein Abbass, and Weiping Zhu, UNSW@ADFA
12:00	<b>Blast Reliability Curves and Pressure-Impulse Curves: Complementary Information for Decision Makers</b> Michael Netherton University of Newcastle	<b>Paths to radicalisation and other research of the Australian Homeland Security Research Centre</b> Athol Yates, Luke Howie & Chad Whelan	<b>HazWatch - Providing an up to date, common operating picture</b> Mark Carniello, Cooperative Research for Spatial Information	<b>On Securing Wireless Access to Government Information Systems</b> Rupinder Gill, Queensland University of Technology
12:20	<b>Dynamics of Inelastic Plates Subjected to Blast Loading</b> Dr Gregory	<b>Technical aspects</b>	<b>The success and failure factors for incident management systems</b> Rob Bailey, Online Risk	<b>Computer Profiling to Assist Computer Forensic Investigations</b>

	Szuladzinski, Analytical Service Co	<b>of ground security</b> Dean Vey, NR Pty Ltd	Management	Andrew Marrington, Queensland University of Technology
12:40	Lunch			
	<b>Stream 5</b>	<b>Stream 6</b>	<b>Stream 7 Imagery Intelligence</b>	<b>Stream 8</b>
1:40	<b>Numerical Simulation of Blast Wave Interaction with Structure Columns</b> Yanchao Shi, Hong Hao & Zhong-Xian Li, University of Western Australia	<b>Early Detection and Prevention of World Nuclear Threats Research and Development done in Australia</b> Prof Carl Munoz-Ferrada, Gammasonics Institute of Medical Research	<b>Imagery Intelligence for emergency management, intelligence and critical infrastructure</b> John Douglas, Apogee Imaging International	<b>Ensuring the Integrity of Australia's e-Court Process</b> Dr Lauren May, Queensland University of Technology
2:00	<b>Smart Fence - Perimeter Security for Critical Infrastructure Protection</b> Emanuel Stafildis, Connell Wagner	<b>A framework for estimating direct costs and human casualties of hazards</b> Leorey Marquez, & Raden Kusumo, CSIRO Mathematical and Information Sciences	<b>Enabling collaboration and increasing user capability using IP-based systems</b> Dr Daniel Floreani, Global Defence Space and Security, Cisco Systems	<b>The AVIAN Flu Tracker- Containing Pandemics through the Application of Location-Based Services</b> Dr Katina Michael, Muhlbauer, Nicholls, Berry, Stroh University of Wollongong
2:20	<b>Blast Resistant Windows and Doors</b> Rod Acland Diebold Australia	<b>How the concept of ethnicity can inform our understanding of the potential impact of security-related technology upon work practices and society</b> Paul Bennett & Lucy Resnyansky. DSTO	<b>Capability Assessment for Communications and Information Systems in Critical Incident Environments</b> Slade P. Beard, University of NSW & KAZ Technology Services	<b>The Requirement for Australia to have an Enhanced National Video and Imagery Recognition Surveillance System</b> Ken Webb, Edith Cowan University
2:40	<b>Ductal® - An Ultra-High Performance Material for Resistance to Blasts and Impacts</b> Brian Cavil VSL Australia	<b>A new manifesto for Smartcards as national information infrastructure</b> Stephen Wilson, Lockstep Consulting	<b>Balanced Target Hardening: Protecting Australian Academic Institutions from Terrorism</b> Dr Alexey D. Muraviev, Curtin University	<b>Crisis Mobile Communications Technology Developments</b> Jeromy Wells, Crisis Mobile
3:00	Break			
	<b>Stream 9</b>	<b>Stream 10</b>	<b>Stream 11</b>	<b>Stream 12</b>
3:30	<b>Detection of concealed threats using sub-THz imaging technologies</b> Andrew Hellicar, CSIRO	<b>The Role of Government Relative to Security and Privacy Issues arising from the Introduction of New Technologies - an Australian-European Comparison</b> Prof Lynn Batten, Deakin University	<b>How to communicate with the public in the time of a crisis</b> Dennis Benjamin, Informatel Group	<b>Risk modelling of SCADA Communications</b> Robert Dawson, Queensland University of Technology
3:50	<b>Datatrace DNA®: A Rapid, Secure, Field-Based System for Tracking &amp;</b>	<b>Information Security and Civil Society Organisations</b> Mark Carey-Smith,	<b>Melbourne as a Terrorist Target and the Human Response</b> Luke Howie, Monash	<b>Defining and Measuring Resilience in Critical</b>

	<b>Authentication of Sensitive Materials</b> Dr Gerry Swiegers, VP Strategic Research, DatatraceDNA DataDot/CSIRO Joint Venture	Queensland University of Technology	University	<b>Infrastructure Protection</b> Dr Paul Barnes, Queensland University of Technology
4:10	<b>Remote Sensing - Emerging Technologies</b> Nick Weber, XTEK	<b>Mitigating the threat of counterfeiting to international security through public awareness</b> Dr Eleni Petraki & Zhou Bo, University of Canberra	<b>Understanding Human Attitudes to Location-Based Counter-Terrorism Measures</b> Holly Tootell, University of Wollongong	<b>Security Risk Assessment</b> Lester Sutton, Honeywell Automation & Control Systems
4:30	<b>On-chip separation of CWA degradation products for high sensitivity detection</b> Yonggang Zhu & Karolina Petkovic-Duran, CSIRO	<b>Deployable Villages – Maximising Field Efficiency</b> Peter Murphy, OPEC Systems	<b>Night time CCTV, Surveillance, Perimeter Protection</b> D. Ishchenko, J. Watson, E. Guyot, S. Lelièvre, N. Jdanoff Applied Infrared Sensing	<b>Inter-Agency Transactions of Risk Within a National Security Architecture</b> Dr Rick Nunes-Vaz, DSTO
4:50	A/Prof Priyan Mendis, Convener, RNSA, to award “Best Paper” and sum up the conference			
5:00	Close Prof Joseph Lai, UNSW@ADFA Prof Ed Dawson, Queensland University of Technology			
5:05	Networking drinks, Foyer, National Convention Centre			