

RMIT STEM COLLEGE · INDUSTRY SHOWCASE

SECURITY & RESILIENCE

A showcase of research, partnership and live innovation — building a more secure, resilient nation.

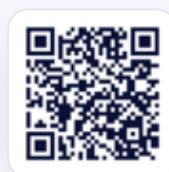
 **DATE**
Thu 2 July 2026

 **TIME**
2:00 – 6:00 PM

 **VENUE**
Storey Hall, RMIT City

EVENT AGENDA · 2 JULY 2026

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|--------------------|--|
| 2:00 – 2:30 | Registration & Refreshments |
| 2:30 – 2:40 | Welcome & Introduction to the Security and Resilience Hub
Prof. John Thangarajah — Director, Security and Resilience Hub |
| 2:40 – 2:50 | Official Launch of the Security and Resilience Hub
Dist. Prof. Sujeeva Setunge — ADVC STEM College, Research and Innovation. |
| 2:50 – 3:10 | KEYNOTE Keynote — AI's Next Frontier: Agents & the Architecture of a Secure Nation
Dheeren Vélu — Head of Innovation AU/NZ, Capgemini |
| 3:10 – 3:30 | KEYNOTE Keynote — Flexible Solar Cells: Emerging Applications for a Resilient Nation
Dr. Anthony Chesman — Research Director, Devices & Engineered Systems, CSIRO |
| 3:30 – 4:15 | PANEL Panel — From Problem to Partnership: How Industry & Government Work with Research
Moderator: Prof. Xavier Mulet · Panellists: Dheeren Vélu, Dr. Kathie McGregor, Clare Russell, Dr. John Stehle |
| 4:15 – 4:30 | Introduction to Showcase Demonstrations
Prof. John Thangarajah — Director, Security and Resilience Hub |
| 4:30 – 6:00 | LIVE Capability Demonstrations & Networking
12 live demos across the Hub — meet the researchers and network over drinks and nibbles. |



S&R HUB WEBSITE
Scan to learn more

4:30 – 6:00 PM · STOREY HALL, RMIT

CAPABILITY SHOWCASE

12 live demonstrations — talk directly with RMIT researchers and industry collaborators.



01 · INFRASTRUCTURE

Resilient Infrastructure Hub

Smart construction, sustainable materials & digital tech — live prototypes and animations from the RIH.



02 · DEFENCE & INTELLIGENCE

Quantum Radio Receiver

Quantum diamond magnetometer for weak-field sensing, anomaly detection & national intelligence.



03 · DISASTER MANAGEMENT

Bushfire VR Evacuation

Strap in and navigate a live bushfire evacuation in VR — flames, smoke, biometrics & a driving simulator.



04 · ROBOTICS & AI

Autonomous Spot Robot

Watch Spot navigate, map and autonomously grasp objects in real time. Live walk — don't miss it.



05 · AI & DATA

Walert — Knowledge AI

In-house RAG conversational system making organisational knowledge trustworthy and instantly accessible.



06 · HEALTH & RESILIENCE

Air Mobility for Stroke Response

Aircraft-integrated CT scanning delivering pre-hospital stroke care to remote communities.



07 · ROBOTICS & AI

XR-CoTeach Robot Training

Teach a robot new skills by demonstration — no coding needed. AI refines the movements automatically.



08 · AGRITECH

Smart Feedlot AI Monitoring

Round-the-clock AI cattle tracking, welfare analytics & automated alerts for data-driven feedlots.



09 · INFRASTRUCTURE

CAMS Asset Intelligence

Predictive analytics turning fragmented asset data into resilient infrastructure decisions.



10 · SMART CITIES

Fleet Road Defect Mapping

Vehicle-mounted sensors collecting road-condition data at scale — 3D reconstruction & defect detection.



11 · SPACE & SAFETY

Rat II Rover — Remote Ops

Control a rover exploring hazardous or extraterrestrial terrain safely from a remote base station.



12 · MARITIME SAFETY

Naval Ship Evacuation Simulation

Next-gen ship evacuation using AI-driven multi-agent simulations — realistic human behaviour in emergencies.