

CENTRE FOR DISASTER MANAGEMENT AND PUBLIC SAFETY

EST. 2014



Delivering world-class, interdisciplinary research and innovation to improve the whole-system response and resilience of infrastructure, institutions and communities against extreme events and critical incidents, and contribute to the UN Sustainable Development Goals

CDMPS is a hub for global expertise, analysis and innovation on emergency and disaster management. Our mission is to respond to the global challenges that disasters present through collaborative research with academic, industry and government institutions, nationally and internationally.

The core purpose of the Centre is to further our knowledge of disasters and to advance technology that improves the current practices and approaches to disaster management. We strive to make this work available and useful to the greater community.

The Centre has identified 5 Research Priority Areas of disaster management and public safety to focus our applied research:

RESEARCH PRIORITY AREAS

- 1  Understanding & mitigating extreme events & critical incidents
- 2  Enabling technology, informatics & analytics
- 3  Improving whole-life infrastructure system performance & resilience
- 4  Strengthening organisational, institutional & community resilience
- 5  Enhancing policy & decision making

CAPABILITIES

The Centre for Disaster Management and Public Safety provides a series of analytical tools, and visualisation and modelling platforms.

We welcome collaboration and offer services to meet the needs of both industry and government clients.

RESEARCH UNITS



Community Resilience



Earthquake Resilience



Transport & Logistics



Infrastructure Resilience



Unmanned Aircraft Systems



Flood Management



Mission Critical Communications



Food Security



Unmanned Aerial Vehicles



Virtual Reality



Evacuation Modelling



Route Planning & Optimisation



3D Modelling & Visualisation Platform



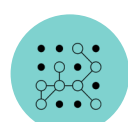
Public Safety Communications



Sensor Integration



Crowd Management & Simulation



Advanced Data Integration & Visualisation



Smart Phone App Development



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