

Symposium on Enhancing Resilience of Critical Road Structures

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Global Disaster Resilience Centre (GDRC) at the University of Huddersfield, UK is partnering with RMIT University, University of Southern Queensland, University of Melbourne organising a symposium to be held at RMIT University, Melbourne on **“Enhancing Resilience of Critical Road Structures: Bridges, Culverts and Flood Ways under Natural Hazards”** on 13th July 2015. This activity is taking place on behalf of the Bushfire and Natural Hazards CRC, Australia.

This symposium will bring together stakeholders of critical road structures and researchers from across Australia and the UK for a full day of presentations, brainstorming and networking.

GDRC’s Professors Dilanthi Amaratunga and Richard Haigh will be speaking on “Disaster risk mitigation for infrastructure – Global perspective”, and ‘Resilience Cities Campaign of United Nations’ at the symposium.

This exciting event is organised as part of the “Enhancing resilience of critical road infrastructure: bridges, culverts and floodways” project led by Professor Sujeeva Setunga of RMIT and funded by Bushfire and Natural Hazards CRC (2013-2017).

This project will develop tools and techniques for implementing strategies to enhance resilience of road infrastructure to multi-hazards of floods, fire and climate change and earthquakes.

Road networks and critical road structures such as bridges, culverts and flood ways have a vital role before, during and after extreme events to reduce the vulnerability of the community being served. A major gap in the current research is the lack of assessment techniques and tools to reduce the vulnerability of road structures to enhance both community and structural resilience.

It also will develop innovative tools and techniques for implementing strategies to enhance resilience of road infrastructure to multi-hazards of floods, fire and climate change and earthquakes. The research will commence with close assessment of two case study regions: one in Victoria and one in Queensland. It will then be expanded and validated.

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