2013 Ogden Transport Lecture
– A free public lecture

Presented by: Professor Frieder Seible, Ph.D., PE, Prof. hc mult

Vice President (Academic) and Dean of the Faculties of Engineering and Information Technology Monash University


Protecting our Transportation Infrastructure Against Natural and Man-made Hazards

MONASH University

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Protecting our Transportation Infrastructure Against Natural and Man-made Hazards

Our transportation infrastructure repeatedly shows vulnerabilities to natural disasters such as earthquakes and floods and to man-made disasters such as terrorist attacks and fires. With every one of these extreme events new lessons are learned, allowing us to design robustness and redundancy into individual structures, critical transportation routes, and complete transportation networks. Significant advances made in the modelling and simulation of the response of roads, buildings, and bridges in extreme events allow us to assess and design a safer and more resilient transportation infrastructure as long as these models and analytical tools are properly validated and calibrated. The development and application of a large and full-scale testing facility for structural response assessment under extreme loading environments will be presented in this year’s Ogden Lecture.

Frieder Seible is Vice President and Dean of the Faculties of Engineering and Information Technology at Monash University. Prof. Seible is an expert in the seismic design and retrofit of bridges and in the hardening of structures against bomb blasts. He developed the Powell Structural Research Laboratories at the University of California, San Diego, the world’s largest and most comprehensive structural testing facility. He is the Chair of the Caltrans Seismic Advisory Board, a Member of the US Academy of Engineering, and a Foreign Member of the Chinese Academy of Engineering.

Event details:

Date: Monday 19 August 2013
Time: 6 – 7 pm
Registration and refreshments from 5:15 pm.
Prize winning students in transport programs will receive awards in a short ceremony at 6:00 pm

Venue: Village Roadshow Theatrette
State Library of Victoria
Corner of Swanston and La Trobe Streets
(Entrance 3, La Trobe Street)
Melbourne

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Professor Frieder Seible
Monash University
To book: eng.monash.edu/civil/ogden2013