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Modelling and Methods for Seismic Risk Assessment and Mitigation

The assessment and mitigation of seismic risk has received increasing attention with the large recent earthquakes in the Asia Pacific region. It is important for countries to develop consistent approaches to mitigating seismic risk before an event and systems to facilitate recovery after the event. The application of sound principles of systematic natural disaster risk management is therefore becoming increasingly important. This presentation will provide an overview of systematic approaches to natural disaster risk management, especially seismic risk and the lessons that have been learnt from recent events.

As seismic events are relatively rare, it is important to share the lessons learnt with engineers across the world. Many, especially young engineers, may not have experienced such events. The efforts being made by the World Federation of Engineering Organisations (WFEO) international Committee for Natural Disaster Risk Management to develop a resource for such information will be presented. Conference participants will be able to consider whether they are able to make a contribution. An effective resource kit which is available to engineers, especially in developing countries, is expected to have significant humanitarian benefits.