



ENGINEERS  
AUSTRALIA

**Earthquake Hazard  
in the Gladstone Region  
Thursday 18 October 2012**

The Australian mainland is generally regarded as “safe” from earthquakes because it is not near an active boundary between major tectonic plates. Despite this, it does experience substantial seismic activity and occasional major earthquake events. One of the most active areas in Queensland is the Bundaberg-Gladstone region. This information is taken into account in the design of critical infrastructure and major engineering facilities in the area.

Mr. Mike Turnbull has studied earthquake hazard in the Central Queensland region in his Masters degree at CQUniversity Australia. He is currently an Adjunct Research Fellow at CQUniversity’s Gladstone based centre for Process Engineering and Light Metals research. He has related local seismic observations to the statistical theory of extreme events to give credible forecasts of the expected recurrence periods of Central Queensland earthquakes, with particular reference to the Bundaberg-Gladstone region. He will give a presentation on the mechanisms of earthquakes, their measurement and recording, and will relate observations to earthquake risk in the Gladstone region, discussing the difficulty in predicting where and when earthquakes might be expected.

This presentation should attract wide interest and a special invitation is extended to teachers of mathematics and physics, and their students. Following the presentation light refreshments will be served and Mr Turnbull will be available to answer questions.

<b><i>Venue</i></b>	CQUniversity Gladstone Campus
<b><i>Date</i></b>	Thursday 18 October 2012
<b><i>Time</i></b>	6:00pm
<b><i>Price</i></b>	\$10 pp (payment at the door, cash only)
<b><i>R.S.V.P.</i></b>	Wednesday 17 October 2012 via email to: <a href="mailto:Gladstone@engineersaustralia.org.au">Gladstone@engineersaustralia.org.au</a>