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## The Big Conversation

Our climate and energy dilemma  
*Is there a case for emergence action?*

Join Engineers Australia's Sustainable Engineering Society and UTS for 'The Big Conversation' on the significant risks that climate change poses for our social, financial, and energy systems. These risks are serious, but there are amazing opportunities to be achieved through an urgent re-framing of our economy. Ian Dunlop, a global leader in advising on these risks, will be our eminent speaker followed by Q&A panel to discuss the opportunities.

In the lead-up to the Paris Climate Change negotiations last December, much new scientific material was published, ranging from the IPCC 5th Assessment Report, to major reviews by Academies of Science, the military, as well as multiple new peer reviewed scientific reports.

While the IPCC Report is very important, and is the basis for much global policy making, it is approved for release by UN member states and is thus an inherently conservative document. In particular, it mentions, but does not quantify, the "tipping point" risks of the climate system. Scientists have long been concerned about these non-linear feedback mechanisms which may trigger rapid, irreversible and catastrophic change.

New evidence suggests this may now be happening!

Many scientists are advising that to avoid catastrophic outcomes we must take emergency action now to halt new fossil-fuel investment, and to rapidly wean ourselves off established fossil-fuel use. We have solutions, but thus far have lacked the will to implement them. Can leadership come from the political and corporate incumbency? Or will greater pressure from the the community be needed. In this regard particular leadership from informed professions such as engineers, scientists, and from the investor community will be essential.

### Eminent Speaker Ian Dunlop

Ian is formerly a senior oil, gas and coal executive, chair of the Australian Coal Association and CEO of the Australian Institute of Company Directors.

He chaired the Australian Coal Associations in 1987-88. From 1998-2000 he chaired the Australian Greenhouse Office Experts Group on Emissions Trading which developed the first emissions trading system design for Australia. From 1997 to 2001 he was CEO of the Australian Institute of Company Directors. Ian has a particular interest in the interaction of corporate governance, corporate responsibility and sustainability.

### Q&A Panel

A Q&A panel will follow Ian's presentation on this critical topic, where engineers are challenged each day to ensure they are working towards a sustainable long future.

The panel will be moderated by **Adj. Prof David Hood AM**. Panellists will include **Ian Dunlop**, **Prof Cynthia Mitchell** from the Institute for Sustainable Futures, **Tina Perinotto** from Fifth Estate and **Adrian Piani** the Chair of Engineers Australia Environmental College.



### DATE & TIME

Tuesday, 2 August 2016  
5:30pm to 8:00pm

### VENUE

The Great Hall  
UTS City Campus  
Tower Building 1, Level 5  
15 Broadway, Ultimo

### COST

Complimentary

### REGISTRATIONS CLOSE

Friday, 29 July 2016

[engineersaustralia.org.au](http://engineersaustralia.org.au)

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