



AN ENGINEERS AUSTRALIA EVENT

CLIMATE SMART ENGINEERING CONFERENCE 2021

16-17 November / Virtual Event

REGISTER NOW

Plenary Program

Tuesday 16th

08:30 Opening and welcome to country

08:45 **World Economic Forum – Global Risks Landscape 2021**

Opening with an overview of how environmental risks have risen in prominence in the World Economic Forum Global Risks Reports, Emilio Granados Franco will set the scene and establish the imperative need for climate action. This year's Global Risk Report cites extreme weather, climate change inaction and human environmental damage as the three most likely and biggest risks to economy, society and planet.

Emilio Granados Franco, Head of Global Risks and Geopolitical Agenda, World Economic Forum

08:45 **Responsible and Sustainable Business Models for the Future**

This session will outline the role of global businesses in rethinking their business models, shifting their thinking to focus on impact and value on society and environment, not just on profit.

Paul Polman, Co-Founder and Chair, IMAGINE former CEO, Unilever and UN SDG Advocate

10:15 **Morning Tea**

10:45 **Panel Discussion: Rising Demand from Global Capital for Climate Smart Engineering**

A panel discussion which explores the sustainable requirements of finance and considers the driving factors of risk, insurance, governance and investors.

Katharine Tapley, Head of Sustainable Finance, ANZ, Nicole Bradford, Global Head of Responsible Investment, Cbus Super Fund, Mike Atkinson, ESG Advisor GHD, Moderated by: Brett Mitsch MIEAust, MD, Steam Plains Capital

11:45 15 minute break

12:00 **The Case for Optimism on the Climate Crisis**

A champion of the Paris Agreement, Vice President Gore confronts the greatest challenge of our time - the global climate crisis - through a presentation that both educates and inspires audiences by asking three powerful questions about our ability to ensure a sustainable future. Gore - who introduced the world to the man-made forces threatening to destroy our planet in the Oscar-winning documentary An Inconvenient Truth - discusses the solutions available to us and makes the case for optimism on the climate crisis.

Al Gore

13:00 Lunch (30 minute break)

13:30 Concurrents (6 streams)

15:00 Afternoon tea (30 minute break)

15:30 Concurrents (6 streams)

17:00 Close

Wednesday 17th

08:30 **Partnering for the Planet – Collaborative Engineering Solutions for Climate Impact**

Climate change cannot be achieved in isolation – it requires cross-functional collaboration internally, locally and globally. These next four sessions will explore the challenges of engaging in collaborative solutions and provide examples of projects and leaders changing how things are getting done.

Managing Governance and Risk Exposures in Collaborative Climate Approaches

Evolving your risk approach to drive change and collaboration in climate change initiatives.

Sarah Barker, Partner and Head of Climate Risk Governance, Minter Ellison

09:00 **Collaborative Partnerships for Innovation and Environmental Sustainability**

Explore Sydney Water's industry leading approach to collaborative working with delivery partners and upstream involvement of Indigenous groups and communities. These partnerships focus on sustainable engineering, excellence in service delivery for customers and environmental impact as core deliverables, melding physical and digital solutions to achieve this.

Roch Cheroux, MD, Sydney Water

09:30 **The Leadership Challenge – Harnessing Creativity, Digitisation and Collaboration**

Discover how leaders can prioritise sustainability, mobilise their teams, and create the right conditions to enable environmentally friendly solutions. Join Fiona as she explores how best to bring together multidisciplinary teams, including engineers, to collaborate and how to leverage technology and the insights data sets provide.

Fiona Cousins, Director, Arup

10:00 **Shifting the Global Engineering Paradigm on Climate Action**

There are multiple but often uncoordinated best practices on mitigating and adapting to climate change impacts around the world. While progress has been made on planning for climate strategies and solutions especially in the most progressive of economies and governmental jurisdictions, there remains significant uncertainty in the applicability and overall effect of those solutions' positive impacts globally. This is especially true in the Global South and the communities that lie within them.

Much is still to be done and engineers need to be at the centre of the next phase of the global effort: implementation of actions. This session explores the challenges we currently face in full-scale implementation. Examples of scalable opportunities would also be explored, including those that involve alternative forms of funding and financing through monetizable environmental benefits and fiscal policies, tools/standards/guidelines that lead to sustainable and resilient infrastructure, and the innovations that could be considered in the areas of procurement and operations and maintenance. All relevant to the engineer who is expected to facilitate and lead global climate change solutions and strategies in this decade of action.

Dr Cris Liban, Chief Sustainability Officer, LA Metro

10:30 **Morning Tea**

11:00 **The Decade to Deliver – Vision, Action and Transition**

This panel session will address how we bring about change and face the challenges of a transition to a sustainable engineering future. It will consider how engineers can practically (individually and as part of the wider community), take the next steps to uphold and deliver on the climate agenda. It will look at how we can seize opportunities today to make a real difference.

Susan Krumdieck, Professor, Co-Founder, Global Association for Transition Engineering, Terence Jeyaretnam FIEAust CPEng EngExec, Oceania Climate Change and Sustainability Services Partner, EY, Ruby Heard CPEng, Director, Alinga Energy Consulting, Moderated by: Greg Bourne, Councilor, Climate Council

12:00 Lunch (30 minute break)

12:30 Concurrents (6 streams)

14:30 Afternoon tea (30 minute break)

15:00 Concurrents (6 streams)

16:45 Official close

17:00 Conference closes



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Program at glance

Tuesday 16th

-
- 08:30 Opening and welcome to country
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- 08:45 **KN1 – Emilio Granados Franco, Head of Global Risks and Geopolitical Agenda, World Economic Forum**
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- 09:30 **KN2 – Paul Polman, Co-Founder and Chair, IMAGINE former CEO, Unilever and UN SDG Advocate**
-
- 10:15 Morning Tea
-
- 10:45 **KN3 – finance panel discussion**
-
- 11:45 Break
-
- 12:00 **KN4 – AI Gore**
-
- 13:00 Lunch (30 minute break)
-
- 13:30 Concurrents (6 streams)
-
- 15:00 Afternoon tea (30 minute break)
-
- 15:30 Concurrents (6 streams)
-
- 17:00 Close

Wednesday 17th

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- 08:30 **KN5.1 – Sarah Barker, Partner and Head of Climate Risk Governance, Minter Ellison**
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- 09:00 **KN5.2 – Roch Cheroux, Managing Director, Sydney Water**
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- 09:30 **KN5.3 – Fiona Cousins, Director, Arup**
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- 10:00 **KN5.4 – Dr Cris Liban, Chief Sustainability Officer, LA Metro**
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- 10:30 Morning Tea
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- 11:00 **KN6 – decade to deliver panel discussion**
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- 12:00 Lunch (30 minute break)
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- 12:30 Concurrents (6 streams)
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- 14:30 Afternoon tea (30 minute break)
-
- 15:00 Concurrents (6 streams)
-
- 16:45 Official close
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- 17:00 Conference closes

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