



Sustainability Digital Summit

EVENT PROGRAM | 12 NOVEMBER 2020

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About the Sustainability Digital Summit

After 13 years, the oldest and biggest sustainable built environment educational event in the country, Sustainability Live, has evolved to become Australia's pinnacle of sustainable designs, ideas and innovation-now known as the Sustainability Digital Summit.

The Sustainability Digital Summit presents a phenomenal lineup of crucial sustainability discussions and partner presentations. Endorsed by the Australian Institute of Architects for 5 Formal Refuel CPD points, engage for the first time online on day and catch up on demand.

Attendee Testimonials

"Found it a very good conference, not bored with 100s of powerpoints, with actual people talking. It was an improvement from previous years as we could self-assess ourselves for CPD points."

Fiona Mitchell, Fiona Mitchell Architect

"Brings you up to date with the current discussions around Sustainability and brings into contact with people that you may not be aware of."

Felicity Wheeler, Felicity Wheeler Architect

"I would like to thank you for the outstanding Sustainability event. Very informative, engaging and motivational for a better architecture all around."

Joao Barkley, Architect

Speaker Testimonials

“Our world is embarking on a grand transition towards net-zero carbon emission by 2050. Events like the Sustainability Summit bring us together to share perspectives on how we can achieve this transition and ensure our built environment can be resilient to future challenges.”

Kieran Power
National Lead for Resilience and Climate Change
WSP

“Amid much being said about bushfire protection, the Sustainability Summit offers leaders in Architecture and Design opportunity to consider best practice bushfire protection with the flexibility required to achieve other building and project design objectives.”

Rod Rose
Bushfire Management Expert, Senior Principal
Eco Logical Australia

“I am excited about this year’s Sustainability Summit because, finally, we appear to be in the midst of a paradigm shift from recycling, restoration, and renewal to net-positive environments for society and nature. Design is becoming recognized as a crucial means of constructing a genuinely sustainable society. Design Awards, by presenting tangible evidence of advances, also engender the hope, optimism, enthusiasm, and critical mass needed to save the planet.”

Dr Janis Birkeland
Honorary Professorial Fellow
University of Melbourne

Event Program

By purchasing a ticket and attending the Sustainability Digital Summit program, you will be eligible for 5 Formal CPD points.



7:30 am	Registration	
8.00 am	Welcome Address	Branko Miletic – Editor, Architecture & Design
8:15 am	Sustainability Digital Summit Keynote	Dr Janis Birkeland - University of Melbourne
8.45 am	Water conservation and its relationship to sustainable design	Moderator: Tone Wheeler - Environa
9.45 am	Morning Tea & Partner Presentations	
10.15 am	Designing and building for the new bushfire paradigm	Moderator: Christian Hampson - Yerrabingin
11.15 am	Passive designs, Passive houses and multi-residential builds	Moderator: Suzanne Toumbourou - ASBEC
12:15 pm	Lunch & Partner Presentations	
1:15 pm	Planning for a carbon zero / carbon positive future	Moderator: John Gertsakis - Cambium Communications
2:15 pm	Afternoon Tea & Partner Presentations	
2.45 pm	How does building automation lead to better building sustainability?	Moderator: Branko Miletic - Architecture & Design
3:45 pm	Closing address	Branko Miletic - Architecture & Design
4:00 pm	Close of Summit	



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Discussion Topics

Water conservation and its relationship to sustainable design

What are the latest water conservation ideas and technologies that need to be adopted in the built environment on a continent where water scarcity is an ever-present crisis? Where should we start with water conservation in Australia? Are water storage, recycling and desalination the answer? What about water efficient fixtures and appliances, rainwater and greywater reuse? What are the ideas that architects and designers could and should implement into their designs to ensure water is being recycled, reused and ultimately conserved?

Moderator: Tone Wheeler – Enviroana
Speaker Panel: Dr Steve Cummings - Caroma
Troy Creighton - Stormtech
Natasha Mulcahy - Sekisui House
Dr Elisa Palazzo - UNSW

Designing and building for the new bushfire paradigm

What else should we be doing to prevent what we saw in the 'black summer' of 2019/2020? Does our entire approach to design and building need an overhaul and where do we need to start? Along with designs, what materials should we be looking at to build the fire-proof structures of the future? When it comes to the bushfires, what can we learn from the First Nations of Australia and can this knowledge help us manage future bushfires and help us reduce the impact of fires across our built environment?

Moderator: Christian Hampson – Yerrabingin
Speaker Panel: Andy Nguyen - ALSPEC
Steve Woolcock - TPS
Kieran Power - WSP
Ian Weir - Ian Weir Architect | QUT
Rod Rose - Eco Logical Australia
Donna Green - Climate Change Research Centre | UNSW
Martin Freney - University of South Australia

Passive designs, Passive houses and multi-residential builds

The Australian climate requires that homes be designed or modified to ensure that the occupants remain thermally comfortable with minimal auxiliary heating or cooling in the climate where they are built. So does passive design fit into the eight climate zones in Australia and how is this design managed by the National Construction Code (NCC)? And while the northern European-derived passive house design is not always the best solution for Australia's climate. Do we need an Australian version of passive house design and what would that look like?

Moderator: Suzanne Toubourou – ASBEC
Speaker Panel: Chris Barnett - Habitech Systems
Kylie Mills - BluKube Architecture
David Kaunitz - Kaunitz Yeung
David Baggs - Global Greentag
Jean Graham - Winter Architecture
Melissa Herrmann - Fairview Architectural

Planning for a carbon zero/carbon positive future

Urban developments around the world are using smart design and new materials to create net-zero energy structures and even carbon positive districts that challenge everything we have learnt about design to date. When it comes to being sustainable, one of the most effective ways to lower a carbon footprint is to reduce or even entirely eliminate a building's reliance on external fossil-fuel derived energy for power and lighting. How can residential homes and for that matter, precincts reduce their carbon environmental footprint and how have some precinct around the world been designed to be carbon positive and what can we learn and borrow from these designs?

Moderator: John Gertsakis - Cambium Communications
Speaker Panel: HY William Chan - UN Sustainable Development Solutions Network
Kathryn Walker - Knauf
Aidan Hill - Autex
Professor Greg Nolan - University of Tasmania | Centre for Sustainable Architecture with Wood.
Judith Schinabeck - GECA
Aidan Mullan – Interface

How does building automation lead to better building sustainability?

The future of building design belongs to structures with extensive sensor networks that can control temperature, monitor power and energy, and water consumption, track sustainability performance in real-time, and much more. In fact, automation is key in buildings when we are considering their longevity and the future since sustainable buildings emit less pollution and greenhouse gases, while at the same time have lower operating costs while increasing the value of the assets. They are also able to reduce energy (and water) consumption by optimising the operational efficacy. So how is all this technology changing the way buildings are designed, built and managed and how do we measure its impact on sustainability?

Moderator: Branko Miletic - Architecture & Design
Speaker Panel: Nicci Leung - Lifepod Evolution
The Lifepod Project
David Meyer - CEDIA
Amanda Steele - CBRE
Sara Bell - Ample Tech
Ian Richardson - KNX Group
Anthony Adamo – Verosol

Sustainability Digital Summit

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