



Conference program

Monday 13 October 2025		
Time	Agenda	
9.30 – 9.40 am	Francine Manansala, CASANZ Introduction and Welcome to Country	
9.40 – 10.00 am	Distinguished Professor Lidia Morawska, Queensland University of Technology (QUT) Indoor Air in Australia: past and present (20mins)	
10.00 – 10.30 am	Associate Professor Wendy Miller, QUT Overview of the State of Indoor Air Quality in Australia report (30 mins)	
10.30 – 11.00 am	Morning Tea and group photo (30 mins)	<i>Session Chair: Associate Prof Wendy Miller, QUT</i>
11.00 – 12.30 am	<u>Session 1: State of Indoor Air in Australia – Science</u> Presentations (30 mins): - Ms Anna-Maria Arabia, Chief Executive, The Australian Academy of Science (15mins) - Professor Brendan Crabb AC, Burnet Institute (15mins) Panel Discussion (60 mins): - Ms Anna-Maria Arabia, Chief Executive, The Australian Academy of Science - Professor Brendan Crabb AC, Chief Executive, Burnet Institute - Professor Giorgio Buonanno, University of Casino and Southern Lazio, Italy - Professor Guy Marks, Burnet Institute	
12.30 – 1.30 pm	Lunch (60 mins)	<i>Session Chair: Professor Jason Monty, University of Melbourne</i>
1.30 – 3.00 pm	<u>Session 2: State of Indoor Air in Australia – Practice</u> Presentations (30 mins): - Mr Liam O'Brien, Assistant Secretary, Australian Council of Trade Unions - Mr Nicholas Burt, CEO, Facility Management Association of Australia Panel Discussion (60 mins): - Mr Liam O'Brien, Assistant Secretary, Australian Council of Trade Unions - Mr Nicholas Burt, CEO, Facility Management Association of Australia - Mr Simon Witts, Director, VA Sciences - Professor Geoff Hanmer, ARINA and UTS	
3.00 – 3.30 pm	Afternoon Tea (30 mins)	<i>Session Chair: Associate Professor Wendy Miller, QUT</i>
3.30 – 4.45 pm	<u>State of Indoor Air in Australia – Policy</u> Presentations (30 mins): - The Hon Ted Baillieu, Former Premier of Victoria - The Hon Robin Scott, Former Member of Victorian Parliament Panel Discussion (45 mins): - The Hon Ted Baillieu, Former Premier of Victoria - The Hon Robin Scott, Former Member of Victorian Parliament - Professor Tunga Salthammer, Fraunhofer WKI, Germany - Distinguished Professor Lidia Morawska, QUT	
4.45 – 5.00 pm	Closing remarks: Distinguished Professor Lidia Morawska, QUT	
5.00 – 6.00 pm	Welcome Reception Reporting on the first-ever UN session on IAQ 'Healthy Indoor Air: A Global Call to Action' in New York. <i>With Lidia Morawska, Anna-Maria Arabia, Christhina Candido, and Dr Bronwyn King</i>	



Tuesday 14 October 2025		
Time	Agenda	
9.00 – 9.10 am	Francine Manansala, CASANZ Conference welcome & Acknowledgment to Country	
	Plenary session 1: Health	Session Chair: Lidia
9.10 – 9.50 am	Dr Maria Neira, WHO Completing the Clean Air Revolution: Clean Indoor Air for All (40 mins)	
9.50 – 10.20 am	Prof Nevil Pierse New Zealand Healthy Homes Initiative (30 mins)	
10.20 – 10.50 am	Prof Giorgio Buonanno Modeling and Mitigating Airborne Transmission of Respiratory Pathogens in Educational Settings (30 mins)	
10.50 – 11.20 am	Morning Tea (30 mins)	
	Technical session 1 Buildings: cross-disciplinary Session chair: Julie	Technical session 2 Source characterization and impacts Session chair: Mikael
11.20 - 11.35 am	Dr Emma Kuhn Mr Philipp Schluter The paradigm between energy efficiency, indoor air quality and human health (15 mins)	Mrs Hasini Perera Quantification of Volatile Organic Compounds Emitted from Tasmanian Engineered Wood Products (15 mins)
11.35 - 11.50 am	Mr Lars Weber Transforming Indoor Environments: Leveraging Advanced IAQ Monitoring and AI for Sustainable, Healthy and Efficient Buildings (15 mins)	Dr Meng Xiu Characteristics, sources and risk assessment of volatile organic compounds in a subway environment (15 mins)
11.50 - 12.05 pm	Dr Cameron Jones AI-Enabled Respiratory Risk Forecasting: Leveraging Public IAQ Data and Bioaerosol Signals for Predictive Health Intelligence (15 mins)	Dr Enoch Adotey Understanding the physical fragmentation of plastics into inhalable airborne microplastics (15 mins)
12.05 - 12.20 pm	Dr Milana Trounce (Remote Track - California) Paradigm Shifts in IAQ: Insights from the 2025 Stanford Forum on Sustainable and Healthy Buildings (15 mins)	Mr Philipp Schluter PM1: The invisible killer in our midst (15 mins)
12.20 – 1.20 pm	Lunch (60 mins)	
	Plenary session 2: Climate Change & Natural Disaster	Session Chair: Heike & Tunga
1.20 – 2.05 pm	Prof Dr. Tunga Salthammer A deep dive into how climate change is impacting indoor environments (45 mins)	
2.05 – 2.25 pm	Dr Heike Neumeister-Kemp Risk assessment of indoor pollutants after natural disasters (20 mins)	
2.25 – 2.55 pm	Afternoon Tea (30 mins)	
	Plenary session 3	Session Chair: Francine
2.55 – 3.25 pm	Professor Jason Monty - Uni of Melb How hard will it be to improve Indoor Air Quality at scale? (30 mins)	



	Technical session 3 Indoor air quality in schools <i>Session chair: Ian Longley</i>	Technical session 4 Air Disinfection and Hygiene <i>Session chair: Mikael</i>
3.30 – 3.45 pm	Mr Jason Choi Concurrent sampling of indoor and outdoor air quality at an inner-city school (15 mins)	Mr Bryan Jepsen HVAC Hygiene - What is it? (15 mins)
3.45 – 4.00 pm	Dr Kapuya Jean-paul Bulaba Nyembwe Breathing to Learn: Rethinking Indoor Air Quality in Tropical School Buildings for Climate Justice and Educational (15 mins)	Ms Sonali Deshmukh Efficacy of novel disinfectants against Legionella spp. for use in evaporative cooling water systems (15 mins)
4.00 – 4.15 pm	Mr Wai Kei Chu Prof. Jeroen Vanoirbeek (Remote Track - Belgium) Indoor air quality and the impact of air purifiers in primary school classrooms in Belgium (15 mins)	Dr Emily Franklin Germicidal UV Disinfection Device Impacts on Indoor Air Quality in an Unoccupied Aged Care Facility (15 mins)
4.15 – 4.20 pm	Closing	Closing
6.00 – 10.00 pm	Conference Dinner	

Wednesday 15 October 2025

Time	Agenda	
9.00 – 9.05 am	Francine Manansala, CASANZ Conference welcome & Acknowledgment to Country	
Plenary session 4: Governance and regulation		<i>Session Chair: Heike</i>
9.05 – 9.25 am	Marie Boland, Safe Work Australia Clean Indoor Air – The Work Health and Safety Context (20 mins)	
9.25 – 9.45 am	Mark Vender, AIRAH “Regulations, meet reality” – An occasionally awkward IAQ conversation (20 mins)	
9.45 – 10.05 am	Yuming Guo, Monash University Health burden associated with indoor air quality: evidence and challenges (20 mins)	
10.05 – 10.35 am	Morning Tea (30 mins)	
Panel 1: Governance and regulation		<i>Session Chair: Lidia</i>
10.35 – 11.30 am	Panel discussion (55 mins): - Marie Boland, Safe Work Australia - Mark Vender, AIRAH - Dr Yuming Guo - Dr Suman Majumdar, Burnet	
	Technical session 5 Monitoring <i>Session chair: Jason Choi</i>	Technical session 6 Building Evolutions and interventions <i>Session chair: Mikael</i>
11.35 – 11.50 am	Mr Hamesh Patel The History of the KOALA: From Outdoors to Indoors and Beyond (15 mins)	Dr Suman Majumdar A Framework for Evaluating Indoor Air Quality Interventions for Reducing Pathogen Transmission (15 mins)



11.50 – 12.05 pm	Pippa Soccio Monitoring indoor air quality in Australian apartments: study design and methodology (15 mins)	Dr Siddhanth Sharma Implementing and Evaluating Indoor Air Quality Intervention Models in Victorian Community Settings (15 mins)
12.05 – 12.20 pm	Dr Claire Bird The Home Airborne Microbial Exposome - Rethinking How We Monitor Buildings to Better Describe Exposure (15 mins)	Dr Kapuya Jean-paul Bulaba Nyembwe Air is Medicine: Advancing Indoor Air Quality in Tropical Hospitals Through Equity-Driven Innovation (15 mins)
12.20 – 12.35 pm	Miss Justine Hupkes Optimal Placement of CO2 Sensors to Monitor Indoor Air Quality and Ventilation Effectiveness (15 mins)	Ian Longley Preparing a Clean Air Space in the home (15 mins)
12.35 – 1.35 pm	Lunch (60 mins)	
	Panel 2: NABERS	Session Chair: Simon Witts
1.35 – 2.35 pm	Presentations: - Ron Pulido, NABERS (10mins) - Joshua Piscioneri, Ausnviro (10mins) Panel Q&A (40 mins): - Ron Pulido, NABERS - Joshua Piscioneri, Ausnviro - Selva Thiru, 101 Collins	
2.35 – 2.55 pm	Afternoon Tea (20 mins)	
	Technical session 7 Policy: future buildings Session Chair: Francine	Technical session 8 Building interventions Session Chair: Ian Longley/Vicki
2.55 – 3.10 pm	Prof Belinda Bennett Indoor Air Quality: The Importance of Law and Regulation (15 mins)	Ian Longley Learning to improve air quality in naturally ventilated spaces through a flexible sensor-based feedback system (15 mins)
3.10 – 3.25 pm	Mrs Plum Stone Indoor air quality as an accessibility issue: advocating for IAQ policy change (15 mins)	Mr Ali Malekpour Investigation of window-opening behaviour and indoor air quality in aged care facilities in South Australia (15 mins)
3.25 – 3.40 pm	Dr Amanda Wheeler Clean Air Spaces: A technical review (15 mins)	Dr Xiangdong Li Mixing ventilation vs underfloor air distribution for airborne infection control (15 mins)
3.40 – 3.55 pm	Mr Hamesh Patel A Framework for Indoor Air Compliance Monitoring Using Low-Cost PM2.5 Sensors (15 mins)	
	Plenary session 5: Close	Session Chair: Francine
4.00 – 4.30 pm	Distinguished Professor Lidia Morawska, QUT Indoor Air in Australia: future (30 mins)	
4.30 – 4.40 pm	Francine Manansala, CASANZ Conference close	