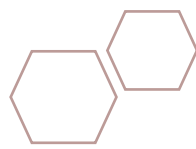




PROGRAM OVERVIEW

Date	Time (AEST)	Theme	SIG
16 June 2020 AIR TALK 1	<i>Part 1: 9 am to 10 am</i> <i>Part 2: 5 pm to 6 pm</i>	<u>Urban and near field modelling</u>	Modelling
17 June 2020 AIR TALK 2	9 am to 11 am	<u>Road transport emissions and health</u>	Air Quality and Health / Transport
18 June 2020 AIR TALK 3	4.30 pm to 6.30 pm	<u>Urban planning: integration of land use and transport</u>	Air Quality and Health / Transport
19 June 2020 AIR TALK 4	9 am to 11 am	<u>Mitigation of transport related air pollution</u>	Air Quality and Health / Transport
22 June 2020 AIR TALK 5	1 pm to 3 pm	<u>Indoor infiltration of smoke and other pollutants</u>	Indoor Air
23 June 2020 AIR TALK 6	1 pm to 3 pm	<u>New applications of proven technologies</u>	Measurement
24 June 2020 AIR TALK 7	4 pm to 6 pm	<u>Future Climates</u>	Emerging Air Quality Professionals (EAQP)
25 June 2020 26 June 2020 AIR TALK 8	<i>Part 1: 5 pm to 6 pm</i> <i>Part 2: 9 am to 10 am</i>	<u>What's New in Odour</u>	Odour

Note: The Modelling and Odour AIR TALK sessions are split into two, 1-hour sessions to accommodate international time zones.



EVENT OVERVIEW

Urban and near field modelling - 16 June 2020

Urban and near field modelling is increasingly important as our cities and urban spaces densify. This event will address applications and tools to represent this dynamic.

Part 1 – 9am to 10am AEST

Where are we at with road transport emissions modelling in Australia and New Zealand?

Dr Paul Boulter - Associate Director, EMM, Australia

AERMOD capabilities for modelling emissions from roads

Professor Jesse L. Thé, PhD, P.Eng - University of Waterloo / President, Lakes Environmental Software, Canada

Part 2 – 5pm to 6pm AEST

Urban planning and modelling applications

David Rollings - Associate Director, Air Quality Engineer, AECOM, Australia

GRAL updates and an application example for a traffic hot spot

Dr Christian Kurz - Institute for Internal Combustion Engines and Thermodynamics, Research Area "Traffic & Environment", Graz University of Technology, Austria.

Facilitated by: Modelling SIG

Road transport emissions and health - 17 June 2020

This event provides a science-based analysis of exhaust and non exhaust emissions, with a particular focus on electric vehicles as well as detailing micro human health impacts, including the toxicological response of emissions from road transport.

9am to 11am AEST

Exhaust and Non-Exhaust Emissions

Dr Haneen Khreis - TTI Associate Research Scientist, Centre for Advancing Research in Transportation Emissions, Energy and Health Texas A&M Transportation Institute, Texas

Micro human health impacts

Professor Graeme Zosky - Deputy Director, Menzies Institute for Medical Research/Professor of Physiology, Tasmanian School of Medicine, Australia

Facilitated by: Air Quality & Health / Transport SIG



Urban planning: integration of land use and transport

18 June 2020

This event presents both an international and local focus, however urban planning and integration of uses is not just an academic exercise with the burden of planning decisions resting with the community. Recognising this, the session includes two community perspectives.

4.30 pm to 6.30 pm AEST

Local community perspective: reflections from postdoctoral research fellow

Dr Kate Lycett - Senior Research Officer, Deakin University, Honorary Fellow, The University of Melbourne, Murdoch Children's Research Institute, Australia

International community perspective: Mums for Lungs. How the community group formed; interacts with experts and policy makers and barriers/enablers that contribute to the group's success and failures

Jemima Hartshorn - Founder, Mums for Lungs, UK

Snapshot of urban and transport planning perspectives highlighting Dr Nieuwenhuijsen's work on new concepts, methods and tools to improve health in cities

Mark Nieuwenhuijsen PhD - Research Professor, Director of the Urban Planning, Environment and Health Initiative and Director of the Air pollution and Urban Environment Programme, IS Global, Spain

Local planning perspective: what are the challenges and opportunities for transport and urban planning integration in Australia?

Adam Terrill - Senior Principal Planner & Team Leader Tract, Vice President, VPELA, Australia

Facilitated by: Air Quality & Health / Transport SIGs

Mitigation of transport related air pollution - 19 June 2020

Feature a presentation from Dr Alberto Ayala, discoverer of the Volkswagen emission scandal. Air pollution mitigation from transport sources became a high-profile topic when the VW "dieselgate" scandal erupted in 2015. Register for this event to hear Dr Ayala's experience with VW as well as his more recent reflections on policy and politics in the United States. Joining Dr Ayala will be Joshua Miller, discussing the effectiveness of modern emission control.

9am to 11am AEST

VW, emission mitigation, electric vehicles and policy/political implications of the current political situation in the USA

Alberto Ayala PhD M.S.E - Executive Director, Air Pollution Control Officer, Sacramento Metropolitan Air Quality Management District, USA

How effective is emission control in modern on-road vehicles? An international perspective from the Manager of the International Council on Clean Transportation Modeling Center

Joshua Miller - Modeling Center Manager, The International Council on Clean Transportation, USA

Facilitated by: Air Quality & Health / Transport SIG



Indoor infiltration of smoke and other pollutants - 22 June 2020

Infiltration of outdoor smoke into homes has become very topical recently, especially when bushfire smoke was blanketing parts of Australia, and public were being advised to stay indoors for some protection. A similar situation occurs in many southern Australian and New Zealand, towns and cities, where outdoor smoke levels frequently exceed air quality guidelines during cold, calm winter nights. This event features four presentations addressing the topic of infiltration of outdoor air pollution into buildings and homes, indoor exposures and deposition onto indoor surfaces, and finally a look into mitigation measures.

1.00 pm to 3.00 pm AEST

Winter air quality and outdoor-indoor air exchange in 85 homes in New Zealand's most polluted town

Dr Ian Longley - Principal Air Quality Scientist, NIWA, New Zealand

Sources of airborne particulate matter in a sample of New Zealand homes and the impact of ventilation/infiltration

Dr Perry Davy - Senior Atmospheric Chemist, GNS Science, New Zealand

Infiltration and Surface Sampling Methodology for Assessing Indoor Deposition of Bushfire Ash

Brad Prezant - Chief Scientific Officer, ValidAir Sciences, Australia

The use of portable HEPA air cleaners to improve residential indoor air quality during biomass burning events

Dr Amanda Wheeler - Senior Research Fellow, Australian Catholic University, Australia

Facilitated by: Indoor Air SIG

New applications of proven technologies - 23 June 2020

Measurement is a dynamic field with changes in technology advancing the field at a rapid rate. However existing tools, with proven value, continue to offer solutions for air quality monitoring applications. This event will examine the application of proven technologies in new areas.

1 pm to 3 pm AEST

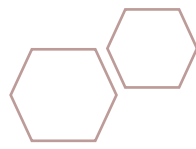
SIFT-MS A new air quality monitoring technique for real-time detection of volatile compounds

Dr Vaughan Langford - Principal Scientist, Syft Technologies, New Zealand

Pollution source apportionment using combined elemental and real time particulate matter measurement

Erika Matsumoto - Senior First Class Radiation Protection Supervisor, Engineer, Process and Environmental Instruments, R&D Department, HORIBA, Japan

Facilitated by: Measurement SIG



Future Climates - 24 June 2020

Globally, natural disasters have been increasing in frequency and intensity which has resulted in devastating impacts on our communities and natural environments. Last summer, Australia experienced unprecedented bushfire events which resulted in poor air quality across much of the nation for extended periods of time. The amount of scientific research linking climate change with increasingly worsening natural disasters is overwhelming. It is clear to the EAQP that the steps required to limit climate change impacts and maintain clean air are, more often than not, one and the same. This event explores air quality impacts during extreme events, including lockdowns resulting from the COVID-19 pandemic, and actions to be taken to achieve progress towards climate change mitigation and clean air.

4.00 pm to 6.00 pm AEST

An EAQP's perspective on climate change and air quality with a focus on changes in impacts during recent extreme events

EAQP Speakers

How two types of natural disaster increased air pollution levels in Chile: the case of wildfires and an extreme flooding event

Dr Francisco Barraza - Lecturer, School of Geography, University of Otago, New Zealand

Climate change and net zero infrastructure

Sam Friggens - Climate Change Practice Leader, Mott MacDonald, UK

Facilitated by: Emerging Air Quality Professional SIG

What's New in Odour – 25 & 26 June 2020

In part 1 of this event, Ton van Harreveld, Founder of Odournet in the Netherlands, will provide an update on European Standard EN13725 and its progress towards revision. EN13725 "Air quality-determination of odour concentration by dynamic olfactometry" was first published in 2003, with this revision including more detail on sampling and updates to olfactometry measurement. You may remember Ton from the CASANZ 2007 Conference. He is an engaging and knowledgeable speaker, not to be missed.

Part 2 will shift to North America, where Mike McGinley will detail his perspective on field odour surveys and development of olfactometry standards. Mike is Laboratory Director at St Croix Sensory and an ASTM Sensory Evaluation Committee Task Group Leader. Mike was also awarded the ASTM E18 Award of Merit in October 2019.

Part 1 – 25 June 2020 – 5 pm to 6 pm AEST

Progress of EN13725 revision, the standard used to determine odour concentration and odour treatment efficiency

Ton van Harreveld - Founder, Odournet, Netherlands

Part 2 – 26 June 2020 – 9 am to 10 am AEST

North American perspective on "What's New" in the field of odour analysis and field surveys

Michael McGinley - P.E. Laboratory Director, St Croix Sensory, USA

Facilitated by: Odour SIG