

Sunday 6th September 2009					
0900-1700 PRE-CONFERENCE WORKSHOPS and TRAINING COURSES - Various Locations					
1600-1900 Registration					
1730-1900 Exhibition Open					
1730-1900 Welcome Reception: Amongst the Exhibition					
Monday 7th September 2009					
0800-1700 Registration					
0845-0900 Conference Opening Room: River Room 4					
0900-1000 Plenary Session 1 Room: River Room 4 KEYNOTE SPEAKER Professor Peter Newman Curtin University of Technology, Western Australia "Infrastructure and Sustainability: Building Green Cities" Chair: Howard Bridgman					
1000-1030 Morning Tea: Amongst the Exhibition					
Concurrent Session 1 - (6 x 15 minute sessions)					
1030-1200 A1 - River Room 1		A2 - River Room 2		A3 - River Room 3	A4 - River Room 4
		MODELLING & METEOROLOGY (1) Chair: Robin Ormerod		PARTICULATES (1) Chair: Jeff Bluett	YOUNG ACHIEVERS AWARD Chair: Ken Verral
1030-1045		Anthony Stuart (Western Australian Department of Environment And Conservation) - <i>Wagerup 2006 field program - Overview and Analysis of Community Observations</i>		Lidia Morawska (Queensland University Of Technology) (Rohan Jayaratne to present) - <i>Nano and Ultrafine Particle Number Concentrations in Different Environments: Application Towards Air Quality Regulations</i>	Carolyn Chin (Mycologia) - <i>Occupational Health and Safety Requirements for Mould Remediators and Cleaners When Remediating Mould Contaminated Indoor Environments</i>
1045-1100		Ken Rayner (Western Australian Department of Environment And Conservation) - <i>Analysis of Dispersion Events at Wagerup</i>		Guilin Zhang (Shanghai Institute Of Applied Physics, Chinese Academy of Sciences) - <i>A Study of Lead Pollution in Air, Soil and Human's Blood Caused by Coal Fired Dust in Shanghai</i>	Jodi Ariti (Western Australian Department of Environment And Conservation) - <i>Formaldehyde Parallel Method Study</i>
1100-1115		Mark Hibberd (CSIRO Marine & Atmospheric Research) - <i>Complex Meteorology and Dispersion at Wagerup - Field Observations</i>		William Trompeter (GNS Science) - <i>Temporal Variation Of PM10 During Winter Nights In New Zealand</i>	Marc Tadaki (University of Auckland) - <i>Toward a Reconceptualization of New Zealander's Perceptions of Atmospheric Issues Across Local-Global Scales</i>
1115-1130		Tim Appelhans (Department Of Geography, University Of Canterbury) - <i>An Air Pollution Climatology For Christchurch, New Zealand</i>		Perry Davy (GNS Science) - <i>A Multi-Site, Multi-Year Source Apportionment Study Of Particulate Matter In Auckland</i>	Lucinda Peters (Western Australian Department of Environment And Conservation) - <i>Policy Instrument Relationships Within Air Quality Management Frameworks of Large East Asian Cities</i>
1130-1145		Shane Lakmaker (Sinclair Knight Merz) - <i>Meteorological Modelling For The Hunter Valley</i>		Anita Marie D'Angelo (Chemistry Centre Of Western Australia) - <i>Adsorbed Organic Species on Inhalable Gamma-Alumina Particles</i>	Stephen White (CSIRO Energy Technology) - <i>Evaluation of Isoprene Photooxidation Using Smog Chamber Data and Chemical Mechanisms</i>
1145-1200		Jacinda Shen (Golder Associates) - <i>Air Quality Impacts from Woodchip Handling Facilities</i>		Ben Mullins (Curtin University) - <i>Performance and Calibration of Optical Particle Counters - What are you really measuring?</i>	Sean Lam (University of Western Australia) - <i>A Tailored Master Chemical Mechanism (MCM) Model For The Pearl River Delta (PRD) Region of South China</i>
1200-1245 Lunch: Amongst the Exhibition					
1245-1330 Poster Presentations					
Concurrent Session 2					
1330-1500 B1 - River Room 3			B2 - River Room 4		
SESSION A: RESPONSES TO AIR QUALITY ISSUES & MODELLING REVIEW <i>Invited Speakers</i> Ton van Harrevel "Community, Regulatory and Scientific Responses to Air Quality Issues" Akula Venkatram "Regulatory Modelling - Current and Future Issues" Chair: Owen Pitts			SESSION B: BUILDING DESIGN "Can We Make Buildings More Energy Efficient And Have Good Indoor Air Quality?" Ian Galbally - "Indoor air in dwellings in Australia; today and under climate change" Nadja Kampfhennel - "Green Building design, energy consumption & indoor air quality" Sue Reed - "What Standards Should We Use for Indoor Air Quality?" Chair: Peter Franklin		
1500-1530 Afternoon Tea & Poster Presentations					
Concurrent Session 3 - (6 x 15 minute sessions)					
1530-1700 C1 - River Room 1		C2 - River Room 2		C3 - River Room 3	C4 - River Room 4
AIR TOXICS Chair: Ian Galbally		AIR QUALITY MANAGEMENT, POLICY & PLANNING and INDUSTRIAL SOURCES Chair: Howard Bridgman		INDOOR AIR (1) Chair: Heike Neumeister-Kemp	MODELLING & METEOROLOGY (2) Chair: Mark Hibberd
1530-1545 Rob Gillett (CSIRO Marine and Atmospheric Research) - <i>The relationship between the atmospheric concentrations of formaldehyde, hydrogen peroxide and methyl hydroperoxide</i>		Ritobrata Bagchi (Australian Government DEWHA) - <i>Reducing Emissions From Key sources - informing the case for national action</i>		Shannan Maisey (University Of Western Australia) - <i>A Study Of Indoor VOCs In A High Traffic Suburban Area Of Perth, Western Australia</i>	Jelena Popovic (TRC) - <i>Recommendations for Source Characterization</i>
1545-1600 Merched Azzi (CSIRO Energy Technology) - <i>Measurements Volatile Organic Compounds (VOCs) in the ambient air of selected sites in the Sydney basin</i>		Constance Dewan (Western Australian Department of Environment And Conservation) - <i>Site Specific Management Of The Impacts Of Dust And Other Pollutants In Western Australia</i>		Vince Neil (Network Restoration Services) - <i>Airborne fungal contamination from paper records in a large medical centre successfully contained with ECS Methodology</i>	Valerio Bisignanesi (EPA Victoria) - <i>A Methodology for the Optimisation of an Air Monitoring Network</i>
1600-1615 Jo Cavanagh (Landcare Research, New Zealand) - <i>Relative toxicity of particulates emitted from individual source and ambient air particulates</i>		Hugh Malfroy (Malfroy Environmental Strategies Pty Ltd) - <i>The Use Of Computational Fluid Dynamics Modelling In Developing New Sample Planes At A Coal-Fired Power Station</i>		Godwin Ayoko (Queensland University of Technology) - <i>Elemental Composition Of House Dust Samples From Some Urban And Suburban Homes</i>	Michael Borgas (CSIRO) - <i>Source Emission Estimation with Surface Layer Models</i>
1615-1630 Shu-Huei Daphne Huang (Queensland Health Forensic And Scientific Services) - <i>Case Studies: Emergency response to hazmat incidents in Queensland</i>		Graham Taylor (ENSR Australia) - <i>A Procedure To Determine Exhaust Capture Efficiency of a Reveratory Furnace Remelt Well Overhead Hood</i>		Rick Bryant (Premiere Restoration) - <i>Microbial and mould remediation of a water, sewerage and mould damaged heritage building used as a museum with 170 year old artifacts</i>	Iain Cowan (URS Australia Pty Ltd) - <i>The Integration of Two Regulatory Dispersion Models for a Holistic Approach to Local Air Quality Assessment</i>
1630-1645 David Rollings (ENSR Australia) - <i>Formaldehyde Emissions From Industrial Gaseous Fuel Combustion Applications</i>		Ben Mullins (Curtin University) - <i>Filtration of Liquid Mists - What goes in and what comes out?</i>		Arthur Greico (Western Australian Department of Environment And Conservation) - <i>Formaldehyde In Temporary Office Structures</i>	Gavin Pereira (Telethon Institute For Child Health Research, Perth) - <i>Time Series Modelling Of Background Air Pollution For Health Studies</i>
1645-1700 Frank Fleer (Golder Awn) - <i>PCBs Soil Remediation - Air Quality Impact Assessment</i>				Barbara Panther (Monash University) - <i>A Study of Indoor and Outdoor Nitrogen Dioxide Concentrations at Student Residences</i>	Martin Cope (Centre For Australian Climate and Weather Research) (Mark Hibberd to present) - <i>Modelling the Emission and Transport of Mercury in Australia</i>

Tuesday 8th September				
0800-1700	Registration			
0845-0900	Day 2 Opening			
0900-1000	Plenary Session 2 Room: River Room 4 KEYNOTE SPEAKER Mr Nick Otter <i>Global Carbon Capture and Storage Institute, ACT, Australia</i> <i>Carbon Capture and Storage</i> Chair: Helen Murphy			
1000-1030	Morning Tea			
Concurrent Session 4 - (6 x 15 minute sessions)				
1030-1200	D1 - River Room 1	D2 - River Room 2	D3 - River Room 3	D4 - River Room 4
	ETHANOL FUEL AND HEALTH IMPACT STUDY Chair: Merched Azzi	COMMUNITY AND EDUCATION Chair: David Lark	EMISSIONS INVENTORY (1) Chair: Nick Agapides	MODELLING & METEOROLOGY (3) Chair: Sam Saunders
1030-1045	Tom Beer (CSIRO) - <i>Evaluating The Health Impacts Of Ethanol Blend Petrol: The Study</i>	Bettina Venner (South Australian Environment Protection Authority) - <i>Community Participation In Reducing Particulate Emissions From An EPA Licensed Site</i>	Peter Nelson (Graduate School of the Environment, Macquarie University) - <i>Measurements Of Speciated Mercury At Two Coal-Fired Power Station In NSW, Australia</i>	Peter Rye (Western Australian Department of Environment And Conservation) - <i>Comparative Evaluation Of Four Photochemical Smog Models</i>
1045-1100	Ann Rosemary Tibbett (CSIRO Energy Technology) - <i>The Impact Of Ethanol Blended Fuel On Vehicle Emissions Of Volatile Organic Compounds</i>	Peter Musk (Western Australian Department of Environment And Conservation) (Kristie Stevens to present) - <i>Learning something new and doing primary research - CBPR tools available to the community</i>	Victoria Agranovski (Queensland Environmental Protection Agency) - <i>Estimating Environmental Tobacco Smoke Emissions for the NPI</i>	Hai Guo (The Hong Kong Polytechnic University) - <i>Photochemical ozone pollution in the Pearl River Delta of south China</i>
1100-1115	Martin Cope (Centre For Australian Climate and Weather Research) - <i>The Ethanol and Health Study. An Airshed Modelling Assessment of Ethanol Usage by Passenger Motor Vehicles</i>	Tina Stockport (Western Australian Department of Environment And Conservation) - <i>Driving Down Emissions: Improving Air Quality Through Behaviour Change</i>	Vahid Rostampour (Western Australian Department of Environment And Conservation) - <i>Updating The Perth Vehicle Emissions Inventory</i>	Noritaka Katatani (J.F.Oberlin University, Japan) - <i>Prediction Of Photochemical Air Pollution In Yamanashi, Japan Using Statistical Model</i>
1115-1130	Tom Beer (CSIRO) - <i>Methodology Used To Study The Health Impacts Of The Use Of Ethanol In Australian Petrol</i>	Patrick Coffey (Alcoa World Alumina) - <i>Community Engagement in Odour Impact Assessment and Management: A Case Study of Wagerup Alumina Refinery, Australia</i>	Peter Nelson (Graduate School of the Environment, Macquarie University) - <i>Development of an Inventory for Mercury Emissions In Australia</i>	Barry Cook (GHD) - <i>The Importance of Australian Standard AS2923-1987 for Air Quality Applications</i>
1130-1145	Wal Delaney (Environment Protection Authority of Victoria) - <i>Passenger Vehicle Emission Factors For Victoria Derived From CUEDEC Drive Cycle Data</i>	Margaret Young (Wide Bay Population Health Unit) - <i>The Clean and Healthy Air for Gladstone Project: Health Assessment In Relation To Air Pollution</i>	Sarah Lawson (Centre for Australian Weather and Climate Research) - <i>PTR-MS Measurement Of Photochemical Smog Precursors At An Inner City Site In Sydney, And Comparison With Emissions Inventories</i>	Graeme Starke (PAEHolmes) - <i>Bureau of Meteorology Data Collection Methods: Are they Adequate for Dispersion Modelling?</i>
1145-1200	Session 6 15 minute discussion time		Jeff Bluett (NIWA) - <i>Real-World Emission Testing of Domestic Woodburners</i>	
1200-1300	Lunch: Amongst the Exhibition			

Tuesday 8th September, continued..				
1300-1400	<p align="center">Plenary Session 3 Room: River Room 4 KEYNOTE SPEAKER Dr Martin Cope CSIRO Climate change and Air Quality Chair: Andrea Hinwood</p>			
Concurrent Session 5 - (4 x 15 minute sessions)				
1400-1500	E1 - River Room 1	E2 - River Room 2	E3 - River Room 3	E4 - River Room 4
	CLIMATE CHANGE/GREENHOUSE GASES Chair: Helen Murphy	AIR WATCH Chairs: Hamish Jacobsen & Fiona Marr	ODOUR (1) Chair: Roger Cudmore	NEW MEASUREMENT TECHNIQUES Chair: Mark Goldstone
1400-1415	Ian Jamie (Macquarie University) - <i>The Effect Of Elevated CO2 On The Emission Of Biogenic Volatile Organic Compounds</i>	Airwatch workshop Energy Smart for Air (inc. school presentations)	Tim Pollock (GHD) - <i>Odour Emission Rate Measurements on Green Waste Windrows</i>	Jennifer Salmond (University of Auckland) - <i>3-Dimensional Spatio-Temporal Variability in Air Quality at a Road Intersection</i>
1415-1430	Ashok Luhar (CSIRO Marine And Atmospheric Research) - <i>Modelling Carbon Dioxide Fluxes And Concentrations Around The CO2CRC Otway Geological Storage Site</i>		David Parker (West Texas A&M University) - <i>Wind Tunnels vs. Flux Chambers: Area Source Emission Measurements and the Necessity for VOC and Odour Correction Factors</i>	Carmelo Chiappalone (ECS Corporate Pty Ltd) - <i>Innovative Open Path Fourier Transform Infrared Spectroscopy Systems for Optical Remote Sensing Including Other Test Method-10</i>
1430-1445	Ian Galbally (Centre for Australian Weather and Climate Research, CSIRO Marine and Atmospheric) - <i>Is Background Ozone Changing, And What Is Its Significance For Australia?</i>		Stephen Hayes (The Odour Unit) - <i>A Validation Study of The Application of an Electronic-Nose in the Meat Industry</i>	Nigel West (Chemistry Centre Of WA) - <i>On-Site Analysis of Volatile Organic Compounds Using a Portable Ggas Chromatograph Mass Spectrometer</i>
1445-1500	Jeff Bremer (Sinclair Knight Merz) - <i>Carbon Trading and The Energy Economy in 2050</i>		Frank Fleer (Golder AWN) - <i>Area Source Emissions</i>	Erika Zardin (University Of Western Australia) - <i>Long-term, real-time monitoring of Volatile Organic Compounds at trace levels in ambient air of Western Australia</i>
1500-1530	Afternoon Tea			
Concurrent Session 6 (6 x 15 minute sessions)				
1530-1700	F1 - River Room 1	F2 - River Room 2	F3 - River Room 3	F4 - River Room 4
	Air Pollution: Health Effects and Health Risk Assessment Chair: Lyn Dennison	INDOOR AIR (2) Chair: Sue Reed	ATMOSPHERIC PARTICULATES (2) Chair: Janet Petersen	MODELLING - MODEL EVALUATION Chair: Ken Rayner
1530-1545	Simon Kingham (University of Canterbury) - <i>Determination of personal exposure to traffic pollution while travelling by different modes</i>	David Lark (Lark Technologies Pty Ltd) - <i>Mould Contamination of Medical Records Linked to Illness in Exposed Staff</i>	Jo Cavanagh (Landcare Research, New Zealand) - <i>Chemical composition of particulates emitted from individual sources compared with ambient air particulates</i>	Rory Donnelly (Murdoch University, Perth) - <i>Analysis of Data from an Urban Canyon Dispersion Experiment in Perth City, W. A.</i>
1545-1600	Annemarie De Vos (The University Of Western Australia) - <i>Emergency Department Presentation for Asthma and Residential Proximity to a Vehicle Corridor In Perth, Western Australia</i>	Kevin White (MDW Environmental Services) - <i>Sick Building Syndrome in Mixed Use Offices in Northern Australia</i>	Adrian Friend (Queensland University of Technology - School of Physical and Chemical Sciences) - <i>Source Identification and Source Apportionment of Air Pollutants in Brisbane, Queensland</i>	Jenny Barclay (TRC) - <i>Analysis Of The Prime Downwash Equation Under Various Meteorological Conditions And Building Shapes In Three Well Known Models Used In Australasia</i>
1600-1615	Suhail Khan (Queensland Environmental Protection Agency) - <i>Health Risk Assessment For Setting Stack Emission Limits Of A Mixture Of Pollutants</i>	Rohan Jayaratne (Queensland University Of Technology) - <i>Ultrafine Particle Emission During The Operation Of Laser Printers</i>	Merched Azzi (CSIRO Energy Technology) - <i>Chemical Elements Characterisation of PM2.5 Particulate Matter in the Ambient Air of Sydney Basin</i>	Ashok Luhar (CSIRO Marine And Atmospheric Research) - <i>An Examination Of Flux Calculation Methods For Dispersion Applications Under Stable Conditions</i>
1615-1630	Margaret Young (Wide Bay Population Health Unit) - <i>The Clean and Healthy Air for Gladstone Project: A Methodology For A Human Health Risk Assessment For Air Pollution</i>	Cedric Cheong (Mycologia Pty Ltd) - <i>Intervention studies (air filter, HEPA vacuuming & steam cleaning) in non-complaint residential homes in Perth, WA</i>	Tina Runnion (Western Australian Department of Environment And Conservation) - <i>Elemental Composition Of Total Suspended Particles Along A Major Traffic Corridor In Perth, Western Australia</i>	Peter Hurley (CSIRO Marine And Atmospheric Research) - <i>Evaluating The Meteorological Performance Of TAPM</i>
1630-1645	Peter Franklin (University of Western Australia) - <i>Unflued Gas Heaters And Respiratory Symptoms In Seniors With Asthma</i>	Philip Turner (WorkPlace Environment Consultants Pty Ltd) - <i>Asbestos in the Residential Environment</i>	Jeff Bluett (NIWA) - <i>Measuring Spatial Variation of Winter Particulate Air Pollution in Taupo, New Zealand</i>	Peter Rye (Western Australian Department of Environment And Conservation) - <i>Enhancement of a Surface Stability Model</i>
1645-1700	Heike Neumeister-Kemp (Mycologia Pty Ltd) - <i>Risk assessment of mould exposure for the protection of workers in mine site accommodation</i>	Jenny Powell (CSIRO Centre for Australian Weather and Climate Research) - <i>Designing an indoor air study</i>	Mick Meyer (CSIRO Marine And Atmospheric Research) - <i>Measurement of real-world PM10 emission factors and emission profiles from wood-heaters by in situ source monitoring and atmospheric verification methods</i>	Damon Roddis (ENVIRON Australia Pty Ltd) - <i>Comparison in performance between CALMET/CALPUFF and the US-EPA AERMOD atmospheric dispersion models using a major Australian Coastal Industry Case Study</i>
1930-2330	Conference Dinner Parmelia Hilton Hotel Perth			

Wednesday 9th September				
0800-1330	Registration			
0845-0900	Day 3 Opening Room: River Room 4			
0900-1000	Plenary Session 4 Room: River Room 4 KEYNOTE SPEAKER Paul A. Solomon USA <i>Advancements in Particulate Matter Sampling and Analysis and Its Application to Identifying Source Impacts.</i> Chair: Farah Adeeb			
1000-1030	Morning Tea			
	Concurrent Session 7 (6 x 15 minute sessions)			
1030-1200	G1 - River Room 1	G2 - River Room 2	G3 - River Room 3	G4 - River Room 4
	EMISSIONS INVENTORY (2) Chair : Hugh Malfroy	AIR QUALITY MANAGEMENT STRATEGIES Chair: Tracy Freeman	MEASUREMENT & MONITORING Chair: Frank Fleer	ODOUR (2) Chair: Tim Pollock
1030-1045	Arinto Wardoyo (Physics Department Brawijaya University, Indonesia) - <i>Particle Characteristics Emitted from Grass Fires in the Northern Territory, Australia.</i>	Damon Roddis (ENVIRON Australia Pty Ltd) - <i>Review of Cumulative Dust Impacts on Camberwell Village, Hunter Valley, NSW</i>	Mark Tulau (Golder AWN) - <i>EastLink Ventilation Stack Monitoring Review</i>	Ian Wallis (Consulting Environmental Engineers) - <i>Odour Modelling and Determination of Buffer Zones for Country Treatment Plants</i>
1045-1100	Ken Casey (Texas AgriLife Research) - <i>Hydrogen Sulphide Emissions for Beef Cattle Feedlots in Texas</i>	Jeff Bluett (NIWA) - <i>Assessing Long-Term Trends in PM10 Concentrations - Nelson, NZ</i>	Shu-Huei Daphne Huang (Queensland Health Forensic And Scientific Services) - <i>The Study Of Ambient Air Quality At Gladstone, Queensland</i>	Johan Meline (Tonkin Consulting) - <i>Low Wind Speed Wind Direction Frequencies Based Calculation for Livestock Separation Distances</i>
1100-1115	David Rollings (ENSR Australia) - <i>Mass balance of two ethylene oxide sterilisation facilities for retrospective air quality impact assessment</i>	Mathew Davies (Sinclair Knight Merz) - <i>Ship Emissions from Australian Ports – The Smoking Guns</i>	Anthony Horton (Western Australian Department of Environment And Conservation) - <i>Measurement of acid gases associated with brick manufacture in Midland, WA</i>	Adam Plant (AECOM) - <i>Consideration Of Odour Characteristics When Modelling Large Area Sources</i>
1115-1130	Nick Agapides (Department Of Environment And Climate Change) - <i>Multi-Substance Prioritisation Methods Using Air Emissions Inventory Data</i>	David Doley (The University Of Queensland) - <i>Rapid assessment of fluoride injury to vegetation: a field test of observer precision</i>	Ian Galbally (Centre for Australian Weather and Climate Research, CSIRO Marine and Atmospheric) - <i>A New Look At VOCs In The Background Atmosphere Over Australia</i>	Matt Davies (Sinclair Knight Merz) - <i>Planning Considerations For New Developments In Proximity To Odorous Industries– A Case Study For Coastal Sewage Treatment Plants</i>
1130-1145	Miles Sowden (Sinclair Knight Merz) - <i>Improving local BVOC emission factors from vegetation surrounding Darwin</i>		Sachin Ghude (Indian Institute Of Tropical Meteorology) - <i>Remote Sensing Of Air Pollution Over Indian Region</i>	David Griffiths (Dept Of Environment And Conservation) - <i>Patterns In Odour Criterion Percentiles And Their Implications For Odour Regulation</i>
1145-1215	CONFERENCE CLOSE Room: River Room 4			
1215-1300				
1300-1700	POST-CONFERENCE WORKSHOP and TRAINING COURSE			