



21-22 February 2019 | Brisbane

Preliminary Program

Thursday, 21 February 2019 Emporium Hotel, South Bank	
8:00am	Registration and Exhibition
9:00am	CONFERENCE WELCOME ADDRESS Welcome to Country ANZBP and AWA Welcome
9:20am	KEYNOTE SPEAKER ADDRESS - No Such thing as Waste, Only Wasted Resources – The DC Water Journey Chris Peot, Director of Resource Recovery, District of Columbia Water and Sewer Authority (DC Water)
10:05am	INVITED SPEAKER ADDRESS – New Zealand's New Technical Guidelines Rob Tinholt and Jacqui Horswell, Members of the Technical Guideline Steering Group for Water New Zealand
10:40am	Morning tea
11:10am	BIOSOLIDS MANAGEMENT
11:10am - 11:40am	DEVELOPING A BIOSOLIDS MANAGEMENT STRATEGY FOR CANBERRA TO 2060, Mitch Laginestra, Principal Engineer - Wastewater Treatment & Recycling, GHD
11:40am - 12:10pm	REALISING THE ECONOMIC VALUE OF RENEWABLE ENERGY FROM BIOSOLIDS, Lauren Randall, Project Manager – Sustainable Wastewater, Hunter Water
12:10pm - 12:40pm	IMPROVING BIOSOLIDS QUALITY AND CREATING A BETTER WORKING ENVIRONMENT THROUGH A PROGRAM APPROACH, Julian Briggs, Global Expertise Leader – Water and Wastewater Treatment, Aurecon Group
12:40pm	Lunch
1:30pm	MANAGING PATHOGENS
1:30pm - 2:00pm	SA WATER'S EXPERIENCE IN REDUCING STORAGE TIMES TO ACHIEVE GRADE A AND GRADE B BIOSOLIDS, Alex Keegan, Senior Research Program Manager, SA Water
2:00pm - 2:30pm	VIABILITY DETERMINATION OF ASCARIS OVA IN BIOSOLIDS USING BAC LIVE/DEAD STAINING ASSAY Vivek Balakrishnan Ravindran, School of Science, RMIT University
2:30pm - 3:00pm	PATHOGEN REDUCTION IN DIFFERENT BIOSOLIDS PROCESSES, Judith Winder, Service Planning Lead, Sydney Water
3:00pm	Afternoon Tea
3:30pm	EMERGING TRENDS IN BIOSOLIDS
3:30pm - 4:00pm	END-OF-WASTE CODE: UPDATE ON RECENT REGULATORY CHANGES IN QUEENSLAND Damien Batstone, The University of Queensland and Isha Sharma, Department of Environment and Science (invited)
4:00pm - 4:30pm	FOSTERING THE NEXT GENERATION OF WATER PROFESSIONALS, INDUSTRY BENEFITS AND UNEXPECTED OUTCOMES –CASE STUDIES, Dr. Aravind Surapaneni, Product Quality Scientist, South East Water
4:30pm - 5:00pm	CAN A SOLAR DRYER ACHIEVE GRADE A STABILITY SOLIDS? Michael Thomas, Treatment Technology Manager, Unitywater
6:30pm – 7:00pm	Canapes and Drinks - Rooftop bar of Emporium Hotel
7:00pm- 10:30pm	Conference Dinner in Frangipani Rooms 2 & 3 Sponsored by: 

Friday, 22 February 2019 Emporium Hotel, South Bank		
8:00am	Registration and Exhibition	
9:00am	CONFERENCE DAY TWO WELCOME	
9:10am	KEYNOTE SPEAKER ADDRESS - Biosolids Research: Planning For The Future John Novak, Professor of Civil and Environmental Engineering, Virginia Polytechnic Institute and State University	
9:55am	EMERGING CONTAMINANTS	
9:55am – 10:10am	LEVELS OF PFAS AND PRECURSOR COMPOUNDS IN AUSTRALIAN BIOSOLIDS Damien Moodie, Student, RMIT University	
10:10am - 10:30am	PFAS IN BIOSOLIDS – FROM SLUDGE-STORM TO CLUSTER-MUCK Angus Seberry, Manager Environment & Sustainability, Hunter Water (invited) Combined Q&A	
10:30am	Morning tea	
11:00am	BIOSOLIDS AND THE LAND	EMERGING BIOSOLIDS TREATMENT
11:00am - 11:30am	BIOSOLIDS AND THE LAND – THE ANZUS PERSPECTIVE, Becky Macdonald, Associate Process Engineer, Beca and Garry Macdonald, Global Water Market Manager, Beca	PYROLYSIS AND GASIFICATION OF BIOSOLIDS AND WOODY-WASTES - BARRIERS AND OPPORTUNITIES Bruce Edgerton, Principal Waste Management Consultant, AECOM
11:30am - 12:00pm	REHABILITATING THE PUKETUTU ISLAND QUARRY WITH AUCKLAND'S BIOSOLIDS Rob Tinholt, Biosolids Manager, Watercare Services	BIOSOLIDS CONVERSION TO VALUE-ADDED PRODUCTS: A TECHNO-ECONOMIC COMPARISON BETWEEN SLOW PYROLYSIS AND HYDROTHERMAL LIQUEFACTION, Dr. Kalpit Shah, Senior Lecturer, Chemical & Environmental Engineering, RMIT
12:00pm - 12:30pm	BIOSOLIDS FOR REHABILITATION OF NZ DEGRADED LAND, Maria Jesus Gutierrez Gines, Lead Scientist Biowaste Team, The Institute of Environmental Science and Research	RECOVERING ENERGY AND MATERIALS FROM SLUDGE BY GASIFICATION, Steven Marks, PhD candidate, The University of Newcastle
12:30pm	Lunch	
1:30pm	SLUDGE CHARACTERISTICS	EMERGING TRENDS AND MARKETS IN BIOSOLIDS
1:30pm - 2:00pm	MODELLING SOLIDS BEHAVIOUR IN WASTEWATER TREATMENT SYSTEMS: OPPORTUNITIES AND CHALLENGES, Damien Batstone, The University of Queensland	DOWNSTREAM THERMAL HYDROLYSIS AT FULL-SCALE TO FURTHER IMPROVE BIOSOLIDS PROCESSING Bill Barber, Technical Director, Cambi (Invited)
2:00pm - 2:30pm	EFFECT OF RHEOLOGICAL PROPERTIES OF SLUDGE ON ANAEROBIC DIGESTION, Samira Miryahyaei, RMIT University (Invited)	MOVING TOWARDS MAXIMUM BIOSOLIDS REDUCTION: ULTRA-DEWATERING OF SLUDGE, Marlene Choo Kun, Innovation Project Manager, SUEZ
2:30pm	Afternoon Tea	
2:50pm – 4:10pm	FACILITATED PANEL DISCUSSION - Biosolids in the Circular Economy <u>Moderator:</u> Kelly Hopewell: Coordinator - Process Engineering, City of Gold Coast and Chair of Australia New Zealand Biosolids Partnership Technical Board <u>Panellist:</u> Chris Peot: Director of Resource Recovery, District of Columbia Water and Sewer Authority (DC Water) Ellen Tao: Senior Process Engineer, Innovation and Partnership, Melbourne Water Lisa Rawlinson: Director, Loop Organics Peter Donaghy: General Manager Treatment & Production Operations & Service Del, Queensland Urban Utilities	
4:10pm – 4:30pm	CONFERENCE CLOSING Best Paper Award Wrap up	

***NB: Posters will be displayed in the breakout areas and authors will be next to posters to discuss during the lunch breaks on Thursday and Friday.**

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