



Transforming  
Biosolids



# 2021 FIRST ANNUAL SYMPOSIUM

ARC Training Centre for the Transformation of  
Australia's Biosolids Resource

## Program

THURSDAY 15 JULY

9.30am	<b>Registration at RMIT University - Bundoora West Campus, Building 224</b>
<b>Centre Launch – Chair: Distinguished Professor Andy Ball, Training Centre Director, RMIT</b>	
10.30am	<b>Welcome to Country and Smoking Ceremony</b> Wurundjeri Elder, Aunty Joy Murphy Wandin
11.00am	<b>ARC Training Centre official launch</b> Ms Kylie Emery, Acting CEO, Australian Research Council Professor Calum Drummond AO, DVC Research & Innovation and Vice President, RMIT University Dr Ravi Raveendran, General Manager Operations, South Gippsland Water
11.30am	<b>Morning Tea (15 mins)</b>
<b>Centre Overview – Chair: Dr Aravind Surapaneni, Centre Deputy Director – Industry</b>	
11.45am	<b>Opening comments and role of the Annual Symposium Organising Committee (ASOC)</b> Dr Aravind Surapaneni, Centre Deputy Director – Industry, South East Water and ASOC Chair
11.55am	<b>Keynote:</b> Dr Barry McGookin, General Manager Innovation, Food Innovation Australia Ltd. (FIAL) and Strategic Advisory Committee (SAC) Chair <i>Titles:</i> 1. <i>Link between food production and biosolids, and its importance in production and the economy.</i> 2. <i>Role of the Strategic Advisory Committee (SAC)</i>
12.25pm	<b>ARC Training Centre for the Transformation of Australia's Biosolids Resource</b> Distinguished Professor Andy Ball, Centre Director, RMIT University and Executive Management Committee (EMC) Chair Associate Professor Kalpit Shah, Centre Deputy Director – Academic, RMIT University <i>Titles:</i> 1. <i>Centre overview</i> 2. <i>Role of the Executive Management Committee (EMC)</i>
12.45pm	<b>Q and A Panel</b> Dr Aravind Surapaneni Dr Barry McGookin Distinguished Professor Andy Ball Associate Professor Kalpit Shah

12.55pm	<p><b>Role of remaining 3 Transforming Biosolids Training Centre Committees – People and Purpose</b>            Professor Anas Ghadouani, University of Western Australia and Communication, Adoption and Translation Committee (CAT) Chair            Dr David Bergmann, Research &amp; Development Manager, South East Water and Training Advisory Committee (TAC) Chair            Dr Judy Blackbeard, Manager Applied Research, Melbourne Water and Research Advisory Committee (RAC) Chair</p>
1.15pm	<p><b>Lunch break</b> (45 mins)            Posters and networking</p>
<p><b>People’s Choice topics – Chair: Mathew Cunnington, Treatment Plant Specialist, City West Water</b></p>	
2.00pm	<p><b>PFAS and Contamination</b>            Laureate Professor Ravi Naidu, CEO &amp; Managing Director CRC CARE, University of Newcastle  <i>Title: Deploying 21st century digital technologies to solve last century’s contamination</i></p>
2.20pm	<p><b>Biochar</b>            Craig Bagnall, Director Environment and Regulatory, SEATA Holdings Pty Ltd  <i>Title: Carbon Capture, Cascades and Credits – Pathways to net zero for biochar from biosolids</i></p>
2.40pm	<p><b>Case Study</b>            Johanna Johnson, Sustainable Projects Lead, Logan City Council, Queensland  <i>Title: Biosolids Gasification Project, Logan City Council, Queensland</i></p>
3.00pm	<p><b>Compliance and Regulation (10 mins each)</b>            Dr Shaun Thomas, Team Leader Wastewater, South Australia EPA  <i>Title: Update on NEMP Version 3 and engagement with industry</i></p> <p>Naren Narenthiran, Senior Applied Scientist – Water Technology, EPA Victoria  <i>Title: New EPA regulations and impact on biosolids management</i></p>
3.20pm	<p><b>Afternoon Tea</b> (15 Mins)</p>
<p><b>Biosolids Producers and End Users – Chair: Chris Hetherington, Re-Invent Agriculture</b></p>	
3.35pm	<p><b>Forum: Producers and end-users</b> (55 mins)            Peter Bishop, Melbourne Water - Producer            Simon Aquilina, General Manager Commercial Business, Gippsland Water - Producer            Stephen Jones – End user            Gavin Lester-Smith - End user            Tom Walsh – End user            Chris Sharkey – End user            Russell Griffiths – End user</p>
<p><b>Tribute to Biosolids Industry “Legends” – Chair: Dr Judy Blackbeard, Melbourne Water</b></p>	
4.30pm	<p><b>Forum: Discussion with legends from the industry</b>            Allen Gale, CAF Consulting (ex-Goulburn Valley Water)            Dr Terry Anderson, South East Water            Pam Kerry, South East Water            Michael Naughton, Loop Organics (ex-Barwon Water)            Dr Daryl Stevens, Atura (ex-CSIRO)</p>
5.30pm	<p><b>Day 1 concludes</b></p>
6.30pm	<p><b>Conference Dinner – Farm Vigano. 10 Bushmans Way, South Morang VIC 3752</b>  <b>Music by ‘73 Scarves’</b>            6.30pm Pre-dinner drinks            7.30pm Dinner  <b>Keynote:</b>            Professor Stephen Smith, Imperial College, London UK (On-Line)  <i>Title: Biosolids management and research from an international perspective</i></p>

## FRIDAY 16 JULY

8.30am	<b>Registration at RMIT University - Bundoora West Campus, Building 224</b>
<b>Core Work of the Centre – Chair: Distinguished Professor Andy Ball, RMIT University</b>	
9.00am	<b>Keynote:</b> Professor Ian Pepper, University of Arizona, USA (Online) <i>Title: Beneficial societal impacts of wastewater and biosolids</i>
9.40am	<b>Research Translation for Impact</b> Dr David Downes, RMIT University Professor Anas Ghadouani, University of Western Australia
10.40am	<b>Morning tea (15 mins)</b>
<b>Three Research Themes (Interactive forums)</b>	
10.55	<b>Theme 1: Improving technologies</b> Professor Damien Batstone, University of Queensland and the research team Chair: Carlos Moreno, Senior Waste Engineer, EPA
11.55	<b>Theme 2: Enhancing product applications</b> Professor Megan Ryan, University of Western Australia and the research team Chair: Dr Catherine Rees, Sewage and Waste Treatment Research Manager, Melbourne Water
12.55pm	<b>Lunch break (45 mins)</b> Posters and networking
1.40pm	<b>Theme 3: Ensuring sustainability</b> Professor Richard Stuetz, University of New South Wales and the research team Chair: Lauren Randall, Program Lead Biosolids and Resources, Hunter Water
3.00pm	<b>Wrap up, Critique and Feedback</b> Dr Aravind Surapaneni, Deputy Director – Industry, South East Water and Symposium Chair John Webster, Chair – Fight Food Waste CRC (Cooperative Research Centre) Jason Cotton, Manager Innovation & Continuous Improvement, Greater Western Water <i>Title: Critique on 2021 annual symposium</i>
3.30pm	Happy hour at RMIT University Bundoora West campus
4.30pm	CLOSE