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WELCOME



On behalf of the Organising Committee, we take great pleasure in welcoming you to the 2019 AORA Annual Conference - Renew and Regenerate.

To 'Renew and Regenerate' is a fundamental and everyday principal to an industry dedicated to the recovery and beneficial reuse of organics. This conference includes the organic waste stream being dealt with by the industry; and the policies, practices, technologies and equipment that enable this process. We will also consider the end-product we produce: organic material, or soil carbon, used to regenerate soils where it is increasingly needed. Finally, and most importantly, we will explore how the people in the industry are improving and developing the next generation growing the Organics Recycling Industry.

The AORA Annual Conference is well established as the principal conference in Australia for the recycled organics industry. Each conference is a forum for education, discussion and networking related to Organics Recycling.

We would like to extend a special welcome to our keynote speakers, Dr Sally Brown and Marco Ricci, and all of our international guests. We would also like to thank our fellow Organising Committee members, all of the presenters and our sponsors and partners, whose generous support is essential to the success of this event.

Sincerely,



Tim Richards Conference Chair



Peter Wadewitz AORA Chairman



Manage Odours • Improve Compost Quality Increase Processing Capacity • Reduce Operational Expenditure with C-Wise Smart Composting Systems

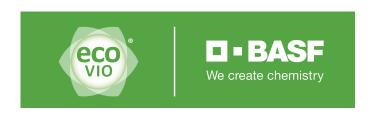
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AORA would like to acknowledge the following National Sponsors who play an active role in realising our vision:

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ABOUT



HOST ORGANISATION

The Australian Organics Recycling Association (AORA) works on behalf of its members to raise awareness of the benefits of recycling organic resources.

It aims to act as an advocate for the wider organics resource recovery and beneficial reuse industries, and to represent their views in a constructive dialogue with policy makers. The Association envisages an industry in which best practice is shared, standards are maintained and surpassed, and a positive contribution to safeguarding the environment is made.

The Association is a national peak body governed by a board of directors. The National Executive Officer, Diana De Hulsters, manages the day to day running of the association supported by the volunteer members on the board and various committees.

Contact



Diana De Hulsters National Executive Officer Australian Organics Recycling Association Ltd T: 0434 711 077 / E: diana@aora.org.au / W: www.aora.org.au

P: PO Box 585, Hove SA 5048

THE CONFERENCE

The AORA Annual Conference is well established as the principal conference in Australia for the recycled organics industry. Each conference is a forum for education, discussion and networking related to Organics Recycling. It is also an opportunity to celebrate outstanding achievements in the industry.

The Annual AORA Conference features workshops, presentations, Dinner, Networking Function and industry tours. This is an opportunity to network with industry leaders and gain insight to the latest achievements in the Organics Recycling Industry.

The first AORA conference was held in 2013 in Sydney and is now run annually, rotating the location around Australia.

ORGANISING COMMITTEE

- Tim Richards (Chair), Richgro
- Dave Cullen, C-Wise
- Geraldine Busby, AORA WA Secretary & GHD
- Graeme Godwin, Hitachi WA
- Diana De Hulsters, AORA National Executive Officer
- Veronica Dullens, Revolve Services

THE VENUE

Breathtakingly beautiful Perth is situated between the lush wine growing country of the South West and the hypnotic Australian outback in the Kimberley region of the North.

Set on the banks of the spectacular Swan River and overlooked by Kings Park, Perth is one of Australia's fastest growing urban centres. With a number of significant infrastructure projects nearing completion Perth is a city waiting to be rediscovered.

As a major capital city Perth is serviced by 18 international airlines, 5 domestic and 11 regional airlines making it very accessible. There are 267 international flights in and out of the city every week connecting travellers to over 50 destinations around Australia and overseas.

Thanks to Perth Convention Bureau for their support of the event.





Cnr Marine Tce & Essex St Fremantle WA 6160

Perfectly located in the historic city of Fremantle, the Esplanade Hotel Fremantle – by Rydges offers easy connections to Perth CBD and Perth Airport. Experience numerous local attractions from your Fremantle hotel base, including Rottnest Island, Fremantle Heritage Trail and Markets, and The Round House.

The Esplanade Hotel Fremantle – by Rydges offers a range of services and amenities to delight business and leisure travellers. Enjoy 4.5-star services including FREE WI-FI, 24-hour reception, valet parking, 24-hour room service, business centre, fully equipped gymnasium, and two resort-style outdoor heated pools. Choose from a range of restaurants and bars serving the best local produce and extensive beer and wine selection, including the historic convict pub, the Ball & Chain.

Fremantle rooms and suites at the Esplanade Hotel Fremantle - by Rydges are spacious and elegant, most with private balconies and some overlooking The Esplanade and Park or the resort-style pool.











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AORA would like to acknowledge the following organisations for their support of the 2019 Annual Conference:

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At BASF, we create chemistry for a sustainable future and have been doing so for 150 years.

As the world's leading chemical company, we combine economic success with environmental protection and social responsibility. Through science and innovation we enable our customers in nearly every industry to meet the current and future needs of society.

ecovio® is a high-quality and versatile bioplastic from BASF. The primary advantages: It is certified compostable globally and biobased.

The main areas of use for ecovio® are plastic films such as organic waste bags, fruit and vegetable bags, carrier bags with dual-use (first for shopping, then for organic waste) or agricultural films. Furthermore, compostable packaging solutions such as papercoating, shrink and cling films, foam packaging as well as injection molding and thermoformed products can be produced with ecovio®.

The more than 115,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of more than €60 billion in 2017. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (BAS)

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ELB EQUIPMENT



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- CONFERENCE DINNER SPONSOR

Hitachi Construction Machinery (Australia) Pty. Ltd. (HCA) is a subsidiary of Hitachi Construction Machinery Co., Ltd. (Japan) established in 1949, and a leading global manufacturer of Hitachi branded mining and construction equipment. We are part of the global and diversified Hitachi Group, one of the world's largest companies and a leading researcher and manufacturer of new technologies across a diverse range of industries.

HCA is the exclusive distributor of Hitachi and Bell products in Australia. Committed to delivering machinery sales and support to Australian customers across the mining, construction, quarry, material handling and waste / recycling industries through a wholly-owned national branch network.

Positioned within a global network allows HCA unique access to vast resources and advanced technologies unrivalled within the industry. Hitachi is committed to a more sustainable society that results in the design and manufacture of more environmentally-conscious products and facilities.

As part of an extensive global network and with 24 wholly-owned locations throughout Australia, HCA is in a strong position to meet customer needs 24 hours a day, 7 days a week.

www.hitachicm.com.au

FOCUS enviro



- **AORA SILVER SPONSOR**
- **DEMONSTRATION DAY SPONSOR**

FOCUS enviro is a specialist provider of environmental equipment for the organics recycling industry. They offer lower-cost tailored solutions, from single equipment supply to complete integrated systems. Selected technologies include Shredders, Trommel screens, Air separators, Turners, Flip-flow screens, mulch colouring and FOGO systems to create and maximise value in organic recycling.

www.FOCUSenviro.com.au



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AUSTRALASIAN BIOPLASTICS ASSOCIATION



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The Australasian Bioplastics Association (ABA) is the peak industry body for manufacturers, converters and distributors of bioplastic products and materials throughout Australia and New Zealand. The ABA administers a voluntary verification scheme, for companies or individuals wishing to have their claims of compliance with Australian Standard 4736-2006, and Australian Standard AS 5810-2010. These Standards relate to "Biodegradable Plastics" suitable for microbial treatment and are intended to cover the end of life of the materials, such as industrial (commercial) composting and anaerobic digestion, (AS 4736) and home composting, (AS 5810).

www.bioplastics.org.au

C-WISE



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C-Wise is a Western Australian owned company whose primary business is to improve soil health and productivity through the reuse of carbon. Our passion is the development of sustainable practices to achieve optimal soil performance for communities and industry. C-Wise fully embraces the economic, environmental and social responsibilities of sustainability.

www.cwise.com.au

ENVIRONMENTAL ANALYSIS LABORATORY



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EAL – the Environmental Analysis Laboratory – Southern Cross University, is an innovative research, teaching and commercial laboratory offering cutting-edge, quality assured competitive services nationally and internationally. Specialising in water, plant tissue, compost and soil testing, EAL provides comprehensive analysis to meet compliance guidelines, to Australian Standards, for composts and landscape soils.

www.scu.edu.au/eal

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Doppstadt is a worldwide leading partner in the field of environmental technology. We make an important contribution to the protection of the environment in more than 40 countries through our technology and equipment. We produce recycling machines and plants, mobile and stationary for processing of various materials such as waste wood, garbage, industrial waste, biowaste, excavated earth and green waste. We are represented in Australia and New Zealand by our partners JDM Aust Pty Ltd, who provide full representation, support and services to our products.

www.jdmaust.net.au



SESL AUSTRALIA



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NATA accredited and ASPAC certified laboratory. Founded in 1984 with offices around the country.

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SUEZ



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SUEZ makes the best use of water and waste by providing smart and reliable resource management solutions for towns, cities, businesses and industry. We're also the country's largest processor of urban generated food and garden organics, producing around 250,000 tonnes of high quality compost each year.

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WTT AUSTRALIA



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One-stop-shop is WTT's expertise. We deliver turnkey installations including full odour abatement.

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With offices in The Netherlands, Australia, Canada and China we are able to offer our clients a comprehensive range of services using leading technologies and products.

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AGSIGHT



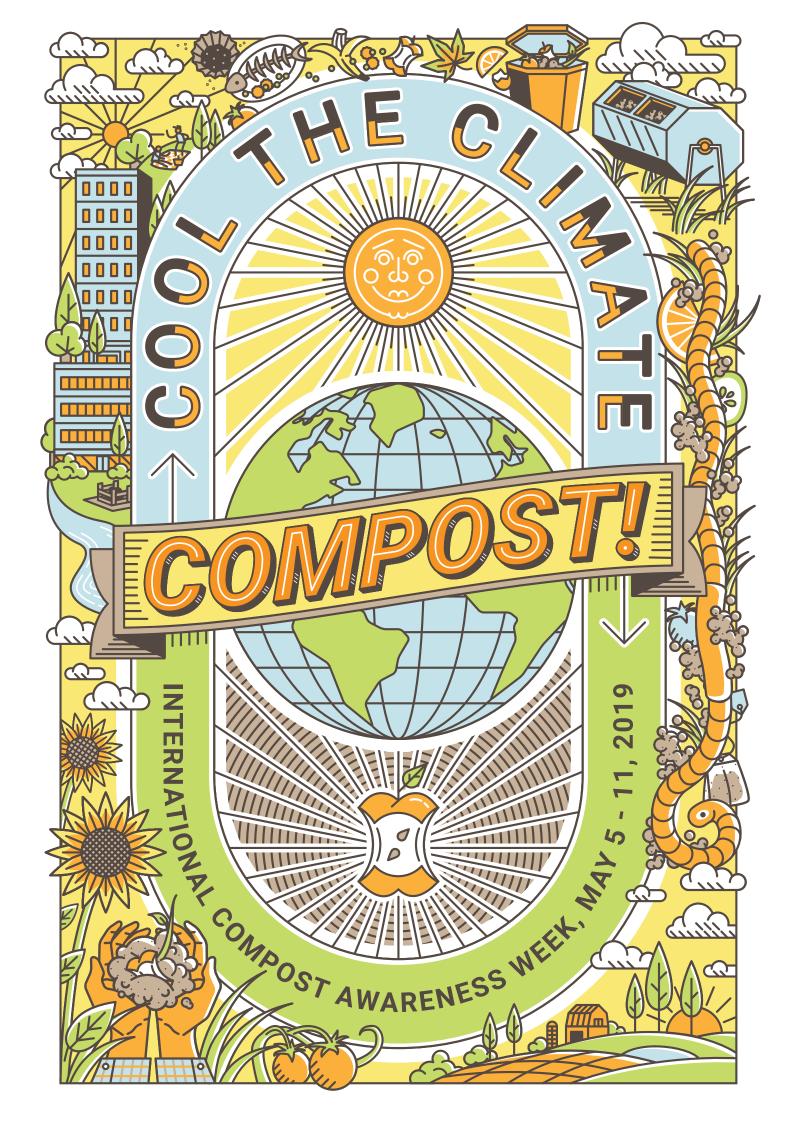
CONFERENCE LANYARDS SPONSOR

AgSight supports the Australian Compost Industry.

We market the SOLVITA™ Compost Maturity Test which improves the composting process, reduces costs and helps produce a compost that is fit-forpurpose.

AgSight works with scientists and industry to measure the benefits of compost to soil microbial activity and labile carbon and plant growth.

www.agsight.com.au

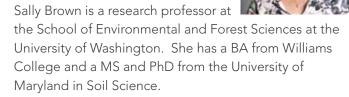


KEYNOTE SPEAKERS



DR SALLY BROWN

Research Professor, School of **Environmental and Forest Sciences** at the University of Washington (USA)



Her research focuses on different aspects of the use of biosolids and other residuals including risks associated with contaminants, in situ restoration of contaminated sites, carbon balance for different end use options, and integration of residuals use in green urban infrastructure.

She has won the US EPA Clean Water Act research award twice as well as the US Compost Council Rufus Chaney Research Award, the Washington Organics Recycling Council Research Award and the King County Green Globe Award.

MARCO RICCI-JÜRGENSEN

Senior Expert at the **Italian Composting and Biogas Association**

Marco has 20 years of experience in planning consistent MSW



With a specific engagement for MSW solutions in cities he supported the City of Milan (Italy) in setting up the recycling scheme for food waste in 2012 and defined the strategy for organic waste diversion and recycling for the Mega-City of Sao Paulo, Brazil and was recently involved in the Food Waste and City initiative of the Ellen MacArthur Foundation.

Currently he works as senior expert at the Italian Composting and Biogas Association. Since 2013 he has been the Chair of ISWA's Working Group on Biological Treatment of Waste.



Komptech is a leading international technology supplier of machinery and systems for the mechanical and mechanical-biological treatment of solid waste and the treatment of biomass as a

The product range includes over 30 different types of machines, covering all key process steps in modern waste handling - shredding, separation, and biological treatment. Komptech keeps focus on innovative technology and solutions that ensure

Komptech equipment is available in Australia and New Zealand exclusively through ELB Equipment.

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SOCIAL FUNCTIONS

NETWORKING FUNCTION

Join us after the Demonstration Day for an evening of drinks, canapes and networking with the exhibitors, speakers, sponsors and other attendees.

Sponsored by:



Date: Wednesday 1 May 2019

6.00 - 8.00pm Time:

Venue: Resort Pool (Esplanade Hotel)

Dress: Casual

CONFERENCE DINNER

The Conference Dinner is traditionally a highlight in the AORA Annual Conference program and provides an opportunity for the participants to relax and engage in the type of networking that is vital to furthering the recycled organics industry.

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HITACHI

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Thursday 2 May 2019 Date:

7.00pm - late Time:

Venue: Sirius Room (Ground Floor, Esplanade Hotel)

Dress: Business/Smart Casual



Founded in 1984 by Simon Leake, SESL Australia provides expect advice on analysing organic recycled products

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SAVE THE DATE



2020 ANNUAL CONFERENCE

6 - 8 May 2020 Crowne Plaza Hunter Valley, NSW



DEMONSTRATION DAY

Wednesday 1st May 2019

SEE EQUIPMENT IN ACTION AT THE AORA EQUIPMENT **DEMONSTRATION DAY**

All participants are required to wear long pants and flat, enclosed shoes. Hard hats and safety vests will be provided along with lunch and morning tea. We recommend you bring a hat and water bottle.

See grinders, screens, turners and other equipment in operation with live demonstrations and take the opportunity to see the equipment up close, compare different models and meet with suppliers all in the one place.

TIMETABLE

0915	Bus departs Esplanade Hotel Fremantle	
1030	Morning Tea	
1100	Windrow Turners, Screens and Loaders	
1230	Lunch	
1300	Excavators, Grinders and Other Equipment	
1430	Tour of Richgro Anaerobic Digestion Plant	
1500	Opportunity to view equipment and meet	
	with suppliers	
1600	Bus returns to Esplanade Hotel Fremantle	
1700	Arrive Esplanade Hotel Fremantle	
1800	Networking Function	

Note: Schedule is subject to change

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EQUIPMENT ON DISPLAY

COMPOST TURNERS

EDGE Mulch Master – FTS65 Turner (FOCUS enviro)

SCREENS

EDGE TRT622 Trommel Screen (FOCUS enviro)

GRINDERS/SHREDDERS

PRONAR MRW2.85g Slow Speed Shredder (Lincom)

LOADERS

- ZW150-5 Wheel Loader (Hitachi)
- ZW180-5 TC Wheel Loader (Hitachi)
- ZW250-5 Wheel Loader (Hitachi)
- Volvo L110H Wheel Loader (CJD Equipment)
- L556IND XPower® Wheel Loader (Liebherr)

EXCAVATORS

• ZX360LC-5 Hydraulic Excavator (Hitachi)

MOBILE PICKING STATIONS

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CONFERENCE PROGRAM

	Thursday 2 nd May 2019						
0800	Registration, tea and coffee						
OPEN	IING PLENARY						
0900	Dave Cullen AORA WA	Welcome and housekeeping					
0910	Peter Wadewitz Chair, AORA	Official welcome					
0920	Representative from the office of the Hon Alannah MacTiernan MLC, Minister for Regional Development; Agriculture and Food; Ports	Opening address					
0935	Dr Sally Brown University of Washington (USA)	KEYNOTE PRESENTATION: Compost: Multiple birds, one stone	The answer is in front of you- stop obsessing about problems. Composting organics is a simple, cost effective solution to multiple problems. Diverting organics from landfills to windrows is the critical way to reduce carbon emissions from waste. Recognizing the value in this 'waste' is central to the circular economy, an emerging alternative model for a more sustainable society. And, most important, compost makes our soils stronger.				
1030	Morning tea served in the Tra	ade Exhibition					
RENE	WING SOILS						
1100	Dr Ash Martin Microbiology Laboratories Australia	Beneficial Microbes in Compost - Towards guidelines for product quality	Day-to-day operational demands on compost production and regulatory focus on safety mean that the microbiological benefits of compost can be easily overlooked and are underutilised as a marketable benefit to customers. Real world examples are presented along with how these traits can be benchmarked and used to promote the benefits to customers.				
1130	Declan McDonald SESL Australia	Optimising the benefits of vermiculture in commercial-scale vegetable farms	This presentation reports on a 3 year HIA-funded project that looked at methods to enhance the contribution of worms to vegetable production. Central to the work was the addition of organic matter (including compost) to soils to enhance worms and overall biological function.				
1200	Andrew Dougall Sustainability Victoria	Regenerating subsoils by removing subsoil constraints, a significant opportunity for organics	There are large areas of farmland where crops cannot access water and nutrients in the subsoil. This subsoil can be altered with organics to allow access by roots and increase yields (subsoil amelioration). This represents a large potential market for organics and subsequent reduction in the volume or organics entering landfill.				
1230	Lunch served in the Trade Ex	hibition					
ROLE	S OF PACKAGING						
1330	Rowan Williams BASF	Certified compostable bioplastics and their role in enabling circular economy	The presentation will focus on the property of compostability at end of life, where biodegradation occurs through the presence of microorganisms and where the end of life is a controlled environment.				
1350	Warwick Hall Australasian Bioplastics Association Inc	The importance of Certification for the Organics Recycling Industry	The presentation will focus on the Australian Standards covering biodegradable plastics suitable for composting and their relevance to the organics recycling industry. It will also cover how the standards can help manufacturers and distributors of organically recyclable plastics products to avoid misleading the consumer and attracting the attention of regulators.				
1420	Charlie Emery SOILCO	Food waste & compostable packaging as a facility feedstock for production of soil conditioners (compost)	Certified compostable bags and packaging is designed to assist with diversion of food waste from landfill. Businesses and communities are implementing food waste collection programs and questioning recycling facility operators such as SOILCO if they will accept compostable packaging to boost participation and diversion. Is this a potential feedstock?				
1450	Dr Helen Lewis Australian Packaging Covenant Organisation	How the organics recycling industry can influence the implementation of the 2025 National Packaging Targets	In 2018 APCO's Biodegradable and Compostable Packaging Working Group undertook research to identify drivers and barriers to the recovery of biodegradable and compostable packaging. APCO is seeking industry feedback on some of the priority projects identified by the working group.				
1520	Afternoon tea served in the	Trade Exhibition					
REGE	NERATION & CELEBRATIO	N					
1600	Christopher Malan & Stefan Windisch ELB Equipment	Platinum Sponsor Address & introduction to AORA Study Awards	Komptech is proud to support the AORA Study Awards for Advancing Organics Recycling. The awards program aims to encourage students to undertake and excel in research designed to advance organics recycling activities and outcomes.				
1610	AORA Student Research Awards for Advancing Organics Recycling	Dr Daniele de Rosa (PhD) - Optimising the use of organic amendments in sub-tropical vegetable cropping systems for improved environmental and agronomic outcomes Dr Shao Yap (PhD) - Anaerobic reduction of solid manure residues					
		Aidan Chin (Honours) - Sorbent capacity of crops	s can tailor nitrogen release from organic wastes to match the uptake				
1700	Johannes Biala The University of Queensland	Unlocking the true value of organic soil amendments	The presentation will outline work that will be undertaken over the next four years to develop a farm-ready integrated nutrient calculator that will show nutrient and carbon inputs and availability from organic amendments over a 3-yeear cropping cycle, while also highlighting mineral fertiliser reductions and monetary savings.				



Friday 3rd May 2019

0800	Registration, tea and coffee		
PROC	ESS RENEWAL		
0830	Marcus Geisler WA Waste Authority	Unpacking the WARR Strategy 2030 and Action Plan	In February 2019, the Minister for Environment, Hon Stephen Dawson MLC released the Western Australian Waste Avoidance and Resource Recovery Strategy 2030 (Waste Strategy) as well as the first year priorities Action Plan. This presentation unpacks the guiding concepts, structure, approach, principles and our new objectives, targets and strategies.
0900	Virginia Brunton MRA Consulting Group	Halve Waste - Setting the benchmark for community engagement in organics diversion	The presentation highlights how a collaborative and wide-ranging community engagement program can achieve significant organics recovery.
0930	Dr Surya Bhattarai Central Queensland University	Carbon smart fertiliser from green chicken	Biochar incorporation into the poultry feed provides an innovative options for value adding to poultry waste by developing carbon rich fertiliser products
1000	Prof Ji Li China Agricultural University	Current situation and development of the composting industry in China	Aerobic composting was practiced quite early in China since 202 B.C. In the 1930s, a kind of fast composting concept was initiated by Chinese scientists called 'Yuanping' method and since 1949, the generation of organic solid wastes in China grew rapidly, however production of quality compost was limited. More recently, the Chinese government has launched a number of incentive policies to promote compost application in agriculture and it is anticipated that the composting industry in China is about to enter a rapid growth stage.
1030	Morning tea served in the Tra	ade Exhibition	
RESO	URCING FOGO		
1100	Dr Darren Perrin Ricardo Energy & Environment	A circular approach to collection of organics and the role of FO and GO	Outline the circular economy journey for Lendlease with a focus on circulating the organics within the development and the role of FOGO and alternative collection systems in helping to achieve that. It will explore the relative merits of combined FOGO and separate FO and GO informed by international research.
1130	Sam Oakden FIAL	National Food Waste Strategy	The National Food Waste Strategy is renewing and regenerating procedures and standards to halve Australia's food waste by 2030. Food Innovation Australia Limited is leading implementation of the Strategy to reinforce a circular economy of avoidance and moving up through a waste hierarchy of reuse, recycle, reprocess and energy recovery.
1200	Marco Ricci-Jurgensen Italian Composting and Biogas Association	KEYNOTE PRESENTATION: Lessons learned in 20 years of successful separate collection of food-waste, green-waste and organics recycling in Italy	The keynote will start by surveying the different collection schemes for food-only, food+garden and garden-only organics in Europe. It will then focus on results of successful implementation of organics collection schemes in two types of urban settlements (cities and semidetached housing). The impact of impurities in organic feedstock and the needs to correctly process compostable liners (in paper or bioplastics) at industrial composting and anaerobic digestion plants will be briefly described. The situation of the Italian market for compost and the role of independent quality assurance will be shown, together with the outlook for compost and biogas market in Italy.
1230	Lunch served in the Trade Ex	hibition	
THEI	NNOVATION FRONTIER		
1330	Eric Paulsen Cemac Technologies	New developments in compost clean up technologies	This presentation will focus on the latest development of sensor based sorting and the benefits of automating the process.
1400	Alison Colella GHD Limited	The growth of organics collection and processing in Canada	One of the most significant alterations in the waste management landscape in Canada has been the implementation of anaerobic digestion (AD) technologies for the management of organic wastes.
1430	Facilitated by Rose Read NWRIC	Panel Discussion	Panelists include: Dr Sally Brown, University of Washington Dr Darren Perrin, Ricardo Energy & Environment Marcus Geisler, Chair, WA Waste Authority Peter Wadewitz, AORA
1530	Peter Wadewitz AORA	Closing remarks	

1545 Conference close

www.aoraconference.com.au 17

EXHIBITOR CATALOGUE

ALLROADS TRANSPORT ENGINEERS



Equipment Demonstration

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AUSTRALIAN ORGANICS RECYCLING ASSOCIATION LTD



Trade Display #15

Contact Diana De Hulsters Phone 0434 711 077

Email diana@aora.org.au Web www.aora.org.au

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ASCHL MANAGEMENT SYSTEMS

Trade Display #18

Contact Joseph Aschl +43-7248-65488 Phone j.aschl@aschl.com Email Web www.aschl.com

Aschl Management Systems provides software for management of composting and organics recycling facilities.

- We develop specialized management software for organic materials recycling and all types of commercial compost and substrate production.
- For companies who want fast information, smooth operating IT, and an alternative to endless spreadsheets and run of the mill ERP systems.
- With a highly skilled team of experienced software developers and implementation consultants.
- Based on 30 years worldwide involvement in the composting and recycling field in private industry and governmental institutions.

AUSTRALASIAN BIOPLASTICS ASSOCIATION

Trade Display #16

Australasian 🦫 Bioplastics

Contact Robin Tuckerman Phone 0400 157 311

Email robin.tuckerman@bioplastics.org.au

Web www.bioplastics.org.au

The Australasian Bioplastics Association is the peak industry body for manufacturers, converters and distributors of bioplastic products and materials throughout Australia and New Zealand. The Association works with government, organic recyclers, composters, industry groups, nongovernment organisations and brand owners to further the understanding and appropriate use of bioplastics.



BASF ECOVIO CREATIVE SPACE



Trade Display #10 & 11

Contact Rowan Williams 0418 316 770 Phone

Email rowan.williams@basf.com Web www.bioplastics.basf.com

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At BASF, we create chemistry for a sustainable future - and have been doing so for 150 years.

As the world's leading chemical company, we combine economic success with environmental protection and social responsibility. Through science and innovation we enable our customers in nearly every industry to meet the current and future needs of society.

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BOST GROUP



Trade Display #02

Contact Debbie MacDonald

Phone 0427 087 947

Email debbie.macdonald@bostgroup.com.au

Web www.bostgroup.com.au

At Bost Group we understand the unique requirements of the Waste & Recycling industry. Our extensive range of products can assist with waste collection, handling, sorting and reprocessing in an efficient and cost effective way. Our suppliers are innovative in their fields and continue to work on providing even better solutions to this industry.



Your partner in waste recovery and recycling projects



Since AORA 2018, Soilco's Organics Recycling Facility in Kembla Grange hasn't had a single day of downtime. WTT has designed, built and commissioned a static aeration pad for Soilco in Wogamia - reducing their composting operations to +/-30% of the original footprint. WTT will also commence the commissioning of Sacyr's 120,000 t/a FOGO composting facility in Melbourne this May.

WTT Australia continues to support the industry with smart, cost-effective designs and infrastructure by combining the latest mechanical and biological

We have developed sustainable and innovative technologies covering a complete range of waste management processes from sorting stations for domestic and industrial waste to complete installations for recovering

Together with the use of biological processes on curbside collected waste we continue to provide our partners innovative and reliable solutions.

Want to know more about our technologies and other references? visit our website at www.wttaustralia.com.au or contact Sean Galdermans at sean@wttaustralia.com.au

EXHIBITOR CATALOGUE

CJD EQUIPMENT



Equipment Demonstration

Contact Luke McPherson 0427 990 369 Phone

Email Imcpherson@cjd.com.au

Web www.cjd.com.au

Recently celebrating 45 years of business. CJD Equipment is one of the leading Construction Equipment and Truck Dealerships in the Country. Being the exclusive dealer for Volvo Construction Equipment for over 20 years.

C-WISE



Trade Display #14

Contact Sean Hayes Phone 08 9581 9582

Email sean.haves@cwise.com.au

Web www.cwise.com.au

C-Wise is a Western Australian owned company whose primary business is to improve soil health and productivity through the reuse of carbon. Our passion is the development of sustainable practices to achieve optimal soil performance for communities and industry. C-Wise fully embraces the economic, environmental and social responsibilities of sustainability.

ELB EQUIPMENT



Trade Display #12

Contact Celeste Jones 0417 320 026 Phone

Fmail cjones@elbquip.com Web www.elbquip.com

ELB Equipment is a premier service provider, supplying and servicing European and Americanmade waste recycling equipment. We take pride in providing a world-class customer service experience that extends beyond the sale; We're your partner throughout the equipment life-cycle.

Located strategically throughout Australia & New Zealand, with service technicians available 24/7.

ENVIRONMENTAL ANALYSIS LABORATORY



Trade Display #19

Contact Graham Lancaster Phone 02 6620 3678 Email eal@scu.edu.au Web www.scu.edu.au/eal

EAL – Environmental Analysis Laboratory – Southern Cross University, is an innovative research, teach-ing and commercial laboratory offering cutting-edge, quality assured competitive services nationally and internationally. Specialising in water, plant tissue, compost and soil testing, EAL provides comprehensive analysis to meet compliance guidelines, to Australian Standards, for composts and landscape soils.



FOCUS ENVIRO



Trade Display #01 Equipment Demonstration

Contact Robbie McKernan Phone 02 4365 4247

Email info@FOCUSenviro.com.au Web www.FOCUSenviro.com.au

FOCUS enviro is a specialist provider of environmental equipment for the organics recycling industry. They offer lower-cost tailored solutions, from single equipment supply to complete integrated systems. Selected technologies include Shredders, Trommel screens, Air separators, Turners, Flip-flow screens, mulch colouring and FOGO systems to create and maximise value in organic recycling.

JDM AUSTRALIA



Trade Display #20

Contact Luis Rojas 0415 667 915 Phone

Email luis.rojas@jdmaust.net.au Web www.jdmaust.net.au

JDM Aust Pty Ltd is a provider of high-quality recycling and materials handling equipment to the Waste and Recycling, Mining, Quarry and Materials Handling Industries. JDM Aust is also the Doppstadt representative in Australia, who is a worldwide leading partner in the field of environmental machinery.

HITACHI CONSTRUCTION MACHINERY **AUSTRALIA**

HITACHI

Trade Display #08 Equipment Demonstration

Reliable solutions

Contact Matthew McCarthy Phone 0409 758 524

Email mccarthym@hcma.com.au Web www.hitachicm.com.au

Hitachi Construction Machinery Australia (HCA) is a subsidiary of Hitachi Construction Machinery Co., Ltd (Japan) and part of the global and diversified Hitachi Ltd group.

HCA delivers machinery sales and support to Australian customers across the mining, construction, quarry, material handling and recycling industries through a wholly-owned national branch network and a customer support centre operation 24 hours a day, 7 days a week.

SUPERIOR MACHINES FROM THE WORLD'S LEADER

Dopptstadt offers the largest range and size of machines for processing all types for all fields of application. In more than 40 countries, we make an important contribution to the protection of the environment and to the preservation of resources



Australian Representatives



1 Chetwynd Street Loganholme QLD 4129 www.jdmaust.net.au

1300 767 589

EXHIBITOR CATALOGUE

LIEBHERR

IEBHERR

Equipment Demonstration

Phone 02 9852 1800

Email em-sales.las@liebherr.com Web www.liebherr.com.au

Liebherr-Australia Pty Ltd supplies and supports a wide variety of purpose-built machinery for recycling and waste management, including wheel loaders, crawler loaders, dozers as well as a large range of material handling excavators. Support services are underpinned by a significant parts inventory and distribution infrastructure for all products.

LINCOM GROUP



Trade Display #17 Equipment Demonstration

Contact Catrina Quinn 09 236 2008 Phone

Email catrinaq@lincom.co.nz Web www.lincom.com.au

Today Lincom Group is a parent company for a specialised range of businesses, supplying the quarry, mining and forestry industries with the sales, service and hire of screening, crushing and recycling equipment.

Lincom Group has operations throughout Australia, New Zealand, Papua New Guinea and the Pacific Islands. Lincom Group has offices in New South Wales, Victoria, Western Australia, North Queensland, Auckland and Christchurch and has representatives operating in Tasmania, South Australia and Northern Territory.

RECYCLING EQUIPMENT RANGE:

- Mobile Grinders, Slow Speed
- Shredders, Picking Stations, Air Separation
- Trommels, Incline and Star Screen

SESL AUSTRALIA PTY LIMITED



Trade Display #07

Contact Simon Leake Phone 1300 304 080 info@sesl.com.au Email Web www.sesl.com.au

NATA accredited and ASPAC certified laboratory. Founded in 1984 with offices around the country. We analyse, review and consult. More than just the numbers.

WTT AUSTRALIA



Trade Display #13

Contact Sean Galdermans Phone 0451 907 901

Email sean@wttaustralia.com.au Web www.wttaustralia.com.au

One-stop-shop is WTT's expertise. We deliver turnkey installations including full odour abatement.

Successfully combining the latest mechanical and biological techniques in turn-key projects gives us a unique position in the market. Our facilities vary from sorting stations for domestic and industrial waste to complete installations for recovering reusable materials in combination with biological processes.

With offices in The Netherlands, Australia, Canada and China we are able to offer our clients a comprehensive range of services using leading technologies and products.

GENERAL INFORMATION

REGISTRATION DESK

If you are booked in for the Demonstration Day on Wednesday 1st May, please assemble in the foyer of the Esplanade Hotel by 9.00am, the bus will depart at 9.15am sharp.

All participants are required to wear long pants and enclosed, flat shoes. provided along with lunch and morning

The Registration Desk (located in the Southern Cross Lobby) will be open between the following hours:

- Wed 1st May 5.30pm 7.00pm
- Thu 2nd May 8.00am 3.30pm
- Fri 3rd May 8.00am 1.30pm

DRESS CODE

The dress standard for the event is business/smart casual including sessions and evening functions.

NAME BADGES

Your name badge is your entry pass. To save time please keep your name badge handy to be scanned on arrival at evening events.

CONFERENCE PAPERS

The Conference papers will be available within two weeks of the event. Attendees will be sent an email with a link and password as soon as they are available.

NEED ASSISTANCE DURING THE CONFERENCE?

Please visit the registration desk for assistance during the Conference. If the registration desk is not open, please phone 0400 449 100.

PARKING

The Esplanade Hotel Fremantle valet parking service is currently provided at fee of \$20.00 per vehicle per day, provided a reservation is made with the concierge desk at least 24hrs prior to use. Please note the current rate is subject to change and availability.

Alternative parking is available in the secure, undercover, multi-story Collie Street Car Park situated adjacent to the Esplanade Hotel Fremantle in Collie Street. A third party runs the car park and parking rates are subject to change without notification.

INTERNET ACCESS

The Esplanade Hotel Fremantle provides complimentary WiFi access for Conference participants.

Turn on Wi-Fi on your device and choose **Rydges-EVENT**, then open your browser to be re-directed to a login page. Type in username 'event', and Access Code 'event'.

Please note logins last for 72hrs, delegates will need to reverify to continue using after 72hrs.

DIETARY REQUIREMENTS

If you have special dietary requirements and are unsure if you included them on your registration form please email our office (aora@revolveservices.com.au) at your earliest convenience.

PRIVACY

In registering for this event relevant details may be incorporated into a delegate list for the benefit of all delegates (name, organisation and title) and may be made available to parties directly related to the event including AORA and sponsors (subject to conditions). If you do not wish to be included in the delegate list, please email aora@revolveservices.com.au.

MOBILE PHONES

It is requested that mobile telephones be turned off or switched to 'silent' during all Conference sessions.

DISCLAIMER

Every effort has been made to present all the information contained in this brochure as accurately as possible. The organisers reserve the right to change, without notice, any or all of these details

INSURANCE

Registration fees do not include insurance of any kind. It is strongly recommended that all delegates take out their own travel and medical insurance before attending the event. AORA will not take any responsibility for any participant failing to insure.

PHOTOGRAPHY/RECORDING

By registering for the AORA 2019 Annual Conference you consent and grant permission to AORA, its agents and others working under its authority, to take and to have full and free use of video/photographs containing your image/likeness. These images and recordings may be used for promotional, news, online/multimedia, research and/or educational purposes by and for AORA. Copies of the event photographs will be made available to the attendees after the event.

CONTACT

If you have any questions about the event please contact the conference secretariat:

rEvolve Services T: 1300 421 065

E: aora@revolveservices.com.au

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