





8:30am-10:00am								KEYNOTE ADDRESS									
10:00am-10:45am								MORNING TEA									
10:45am-12:15pm		STREAM 1		STREAM 2		STREAM 3		STREAM 4		STREAM 5		STREAM 6		STREAM 7		STREAM 8	
		EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT		EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT		ACHIEVING SUSTAINABLE AND THRIVING COMMUNITIES		INDUSTRY SAFETY & WELLBEING <b>JOHN HOLLAND</b>		EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT		RESILIENCE & WATER SECURITY		INTERNATIONAL WATER ASSOCIATION AUSTRALIA CURATED SESSION SPEAKERS TO BE ANNOUNCED		 <b>AUSTRALIAN WATER ASSOCIATION</b> PROGRAM TO BE ANNOUNCED	
		NOVEL WASTEWATER TREATMENT PROCESSING		CONDITION ASSESSMENT		WATER & AGRICULTURE		WELLBEING		ROBOTS, DRONES & BIM: DELIVERING VALUE		WATER EFFICIENCY & DEMAND MANAGEMENT					
10:50am-10:55am		358		85		51		181		256		100					
		MODELLING SIMULTANEOUS NITRIFICATION AND DENITRIFICATION WITH PLUG-FLOW SAMPLING AT LUGGAGE-POINT SEWAGE TREATMENT PLANT Paul McPhee <i>Urban Utilities</i>		PREVENTING CRITICAL WATER TRUNK FAILURES Michael Nicholas <i>SA Water</i> Martin Rodger <i>Rock Solid Group</i>		MOVING TOWARDS A ZERO ENVIRONMENTAL FOOTPRINT DAIRY PLANT Richard Greenwood <i>Jacobs</i>		ENABLING WELLBEING: TESTING A 'SAFETY DIFFERENTLY' BASED EMPLOYEE WELLBEING INITIATIVE Martin Smith <i>John Holland</i>		ROBOTIC TANK CLEANING - SEPARATING THE FACT FROM THE FICTION Antony Old <i>Watertight Robotics</i>		UNDERSTANDING THREAT PERCEPTION TO INFORM ENVIRONMENTAL COMMUNICATION: A PSYCHOLOGICAL PERSPECTIVE Madelyn Pardon <i>James Cook University</i>					
10:55am-11:20am		479		355		ACCENT SPEAKER TO BE ANNOUNCED		236		450		ACCENT SPEAKER					
		WTP SHORTCUT NITROGEN REMOVAL DEMONSTRATION PLANT: KEY FINDINGS FOR ACHIEVING LOW CARBON NITROGEN REMOVAL James McLeod <i>Melbourne Water</i> Aprilia Vellacott <i>Jacobs</i>		INNOVATIVE PIPE WALL SCANNING Anton Bardak & Pak Lum Lee <i>SMEC</i>				MAXIMISING EMPLOYEE PERFORMANCE AND WELLBEING THROUGH AN EMPLOYEE LIFECYCLE APPROACH Mark Babic, Lucas Finch & James Wallace <i>Sydney Water</i>		ROBOTIC PIPE SCANNING: INTELLIGENT INTERNAL TOOLKIT FOR CRITICAL WATER MAINS Dammika Vitanage <i>Sydney Water</i> Prof Gaminie Dissanayake <i>University of Technology Sydney</i>		REDUCING URBAN DEMAND BY MORE THAN HALF: CAPE TOWN'S DROUGHT SUCCESS STORY Dr Gisela Kaiser <i>Water Globe Consultants, LLC</i>					
11:20am-11:45am		347		157		168		305		58		422					
		REMOVAL, RECOVERY AND REUSE OF AMMONIACAL NITROGEN FROM WASTEWATER FOR POWER GENERATION Dr Robert Eden & Bryan Johnson <i>Organics Group</i>		A RARE INSIGHT INTO THE FUTURE OF BRISBANE'S WATER SUPPLY Ben Tucker & David Nicholas <i>Jacobs</i>		TRANSFORMING A WASTEWATER PROBLEM INTO A NEW HIGH VALUE AGRICULTURAL DISTRICT Warren Price <i>Western Water</i>		"LIVE WELL" - A NEW WAY FORWARD FOR WORKPLACE SAFETY Michael Nolan & Ben Wood <i>Icon Water</i>		DRONES AND DIGITAL TOOLS - TAKING BROWNFIELD UPGRADE PLANNING TO A NEW LEVEL Stephen Chapman <i>WSP</i>		UNDERSTANDING CUSTOMER WATER USE BEHAVIOURS FOR THE SYDNEY METROPOLITAN AREA Andrew Woods <i>Sydney Water</i>					
11:45am-12:10pm		478		297		140		143		406		80					
		MABR FOR FINAL EFFLUENT POLISHING OF REFINERY WASTEWATER Nadine Oschmann <i>SUEZ</i>		BENEFITS OF 3D LASER SCANNING AND MODELLING FOR REFURBISHMENT OF COMPLEX ASSETS Iftikhar(Ifty) Rehman <i>SMEC</i>		GROWING BUSINESS INVESTING IN RECYCLED WATER INFRASTRUCTURE FOR FOOD SECURITY Michael Edgcombe <i>SA Water</i>		MANAGING FATIGUE RISK AT SAWATER John Carr & Judy Stone <i>SA Water</i>		BEYOND 3D - AN INTEGRATED SOLUTION FOR DESIGN, CONSTRUCTION AND OPERATION OF TUAS WATER RECLAMATION PLANT Shu Yi Chow <i>Jacobs Engineering Singapore</i>		INCENTIVISING WATER CONSERVATION DURING AND BEYOND DROUGHT Dr Rachel Watson <i>Institute for Sustainable Futures, University of Technology Sydney</i>					
12:10pm-12:15pm		21		304		219		462		108		183					
		MANAGING FILAMENTS WITH TITANIUM PHASE-SEPARATION TECHNOLOGY Wayne Bagg <i>Water Corporation</i>		CONDITION ASSESSMENT OF FAILED HDPE WATER MAIN INSTALLED IN 2014 Prabhakar Krishnasamy & Liam Owen <i>Unitywater</i>		LESSONS LEARNT FROM A DECADE OF WASTEWATER REUSE THROUGH MANAGED AQUIFER RECHARGE Meena Yadav <i>Allwater JV</i>		SIMPLIFYING HIGH RISK MANAGEMENT STANDARDS FOR FRONTLINE WORKERS Clint Theil <i>Veolia</i>		USING DRONE-ASSISTED PHOTOGRAMMETRY FOR MONITORING LARGE MEMBRANE STRUCTURES Wingkong Chiu <i>Department of Mechanical &amp; Aerospace Engineering, Monash University</i>		DEVELOPING ASSUMPTIONS FOR LONG TERM DEMAND FORECASTING Marcia Dawson <i>Sydney Water</i>					
12:15pm-1:15pm								LUNCH									

1:15pm-3:15pm	STREAM 1	STREAM 2	STREAM 3	STREAM 4	STREAM 5	STREAM 6	STREAM 7	STREAM 8
	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	ACHIEVING SUSTAINABLE AND THRIVING COMMUNITIES	INDUSTRY SAFETY & WELLBEING <b>JOHN HOLLAND</b>	RURAL, REMOTE & REGIONAL WATER	RESILIENCE & WATER SECURITY	ENGAGING & WORKING WITH CUSTOMERS	 <b>AUSTRALIAN WATER ASSOCIATION</b> PROGRAM TO BE ANNOUNCED
	ANAEROBIC DIGESTION	MACHINE LEARNING & AI	CULTURE & COMMUNITY ENGAGEMENT	PRACTICAL ACTIONS	INNOVATIONS & TECHNOLOGY IMPROVING REMOTE OUTCOMES	KEY ELEMENTS OF THE WATER CYCLE	USING VOICE OF THE CUSTOMER TO IMPROVE UTILITY OPERATIONS	
1:20pm-1:25pm	226	405	467	275	466	156	224	
	ENHANCING OUR UNDERSTANDING OF ANAEROBIC DIGESTERS USING NEXT GENERATION SEQUENCING AND STATISTICS Dr Ben van den Akker SA Water	EMBEDDING AUGMENTED INTELLIGENCE INTO THE DNA OF WATER OPERATIONS Kalan Braun TRILITY	KATHERINE 'CLOUD TO CUP' - CREATING A GENERATIONAL CHANGE IN REGIONAL COMMUNITY ATTITUDES Joel Spry Power and Water Corporation	KEEPING OUR PEOPLE SAFE WHILST WORKING ALONE James Ryan Allwater	BRINGING QUALITY POTABLE WATER TO REMOTE NORTHERN TERRITORY, ICE PIGGING IN BORROLOOLA AND GARAWA Graeme Berriman SUEZ	DESAL 2.0. MATURE WATER SECURITY PLANNING IN THE 2020S Grant Gabriel WSP	WORKING TOGETHER TO ENABLE A FASTER RESPONSE TO CUSTOMER CONCERNS Julien Anese Adelaide Services Alliance	
1:25pm-1:50pm	449	30	182	ACCENT SPEAKER TO BE ANNOUNCED	319	385	ACCENT SPEAKER	
	IMPROVING THE PRODUCT QUALITY AND COST OF BIOSOLIDS MANAGEMENT THROUGH A PROGRAM UPGRADE APPROACH Angus Wilkie Aurecon	WELLINGTON WATER'S APPLICATION OF ARTIFICIAL INTELLIGENCE FOR WASTEWATER INFRASTRUCTURE PLANNING Andrew Faulkner WCS Engineering	CULTURAL VALUES IN ACTION - MATAPIHI WASTEWATER SCHEME Kristina Hermens Beca Dave Lenton Tauranga City Council		DEMONSTRATION OF BRACKISH WATER DESALINATION USING A PILOT SCALE MEMBRANE CAPACITIVE DEIONISATION UNIT Dr Boyue Lian UNSW	WILL LOCAL IDEAS AND COLLABORATION SECURE THE FUTURE OF THE INTERNATIONALLY SIGNIFICANT COORONG? Mark de Jong Department for Environment and Water	TBA Phil Duncan Murray Darling Basin Community Committee / Macquarie University	
1:50pm-2:15pm	162	273	231	306	410	453	149	
	UNDERSTANDING SOLIDS AND BIOLOGICAL ACTIVITY DISTRIBUTION FOR IMPROVED SLUDGE MANAGEMENT STRATEGIES IN ANAEROBIC LAGOONS Peter Wardrop The Advanced Water Management Centre, The University of Queensland	CREATION OF A MACHINE LEARNING SOFTWARE PLATFORM FOR OPERATIONS AND ASSET MANAGEMENT IN SA WATER Dr Mark Stephens SA Water	RECOGNISING AND MANAGING FOR ABORIGINAL VALUES Jason B King Department of Environment, Land Water and Planning	BEYOND THE CLUTTER: A NEW RISK-BASED ASSESSMENT TOOL FOR SAFETY MANAGEMENT ON CONSTRUCTION PROJECTS Michelle Oberg & Matt Thomson Downer	BORROLOOLA WATER TREATMENT SYSTEM UPGRADE - THE CONTAINERISED STORY Chafic Naamani SUEZ Eric Vanweydevel Power and Water Corporation	LESSONS LEARNED FROM AUSTRALIAN EXPERIENCE IN THIRD PIPE WATER RECYCLING Dr Daniel Livingston Hunter Water	RISE OF THE MACHINES - USING MACHINE LEARNING TO QUICKLY AND EASILY EXTRACT ACTIONABLE INSIGHTS FROM CUSTOMER FEEDBACK SURVEYS Dr Tessica Dall Unitywater	
2:15pm-2:40pm	10	301	420	430	308	426	262	
	THE APPLICATION OF WAS-ONLY THERMAL HYDROLYSIS AT PSYTTALIA WWTP Julien Chauzy CAMBI	MACHINE LEARNING CCTV FOOTAGE AND IMPACT TO THE BROADER INDUSTRY Kiran Gokal, Matthew Gallagher & Khoa Nguyen WSP	THE POOSWITCHEROO - A RETROFITTABLE VALVE HELPING END OPEN DEFECATION IN INDIA Christopher Raynor, Pramod Janardhanan & Ronica Koey Sydney Water	TRANSFORMING HSEQR MANAGEMENT AND REPORTING Terry Mulvaney City West Water	PROJECT GILGHI - MODULAR SELF CONTAINED SOLAR WTP FOR REMOTE INDIGENOUS COMMUNITIES Julian Briggs Aurecon Wayne Diemar Ampcontrol	TAPPING THE URBAN CATCHMENT - 9 YEARS ON. ENABLING URBAN EXPANSION WITHOUT REQUIRING EXTRA WATER Jackie Bowe Wannon Water	USING SOCIAL AND TRADITIONAL MEDIA TO INFLUENCE CUSTOMER BEHAVIOUR AND AWARENESS Clare Hesketh SA Water	
2:40pm-3:05pm	271	380	240	113	48	23	199	
	AMMONIA TOXICITY AND DIGESTER CAPACITY INVESTIGATION OF THERMALLY HYDROLYSED SLUDGE IN ANAEROBIC DIGESTERS Amin Malekizadeh Urban Utilities	USE OF ADVANCED REAL TIME ANALYTICS TO OPTIMISE THE AERATION ENERGY USAGE AT CUXHAVEN WWTP Roberto Mascarenhas Xylem	LOVE WATER CHANGING BEHAVIOUR AT SCALE Jane Blakeney Hunter Water	MANAGEMENT OF AC PIPES - NOW AND INTO THE FUTURE James Goode Water Services Association of Australia Steve Nash GVW	PROGRESS OF SA WATER INVOLVEMENT IN WATER MANAGEMENT AND SUPPLY IN THE APY LANDS Damian Mortimer & Rachael Siddall SA Water	CATCHMENT-SCALE RAINWATER HARNESSING: BENGALURU'S ROAD MAP TO ACHIEVE A WATER-SECURE FUTURE Gaurav Bhatt & Dr Vivekanand Honnunar Jacobs Engineering India	ENGAGING CUSTOMERS TO INNOVATE; BECOMING WATER WIZARDS Nathaniel Jenkins & Greig Priestley Sydney Water	
3:05pm-3:10pm	57	241	446	101	392		280	
	DEWATERING POLYMER CONVERSION FROM POWDER TO EMULSION DUE TO A SECONDARY TREATMENT PROCESS CHANGE Colin Houghton Water Corporation	SEASONALITY DETECTION IN TIME-SERIES DATA Phillip Meng Water Corporation	BROADENING WASTEWATER PLANNING SOLUTIONS TO ALIGN WITH THE ASPIRATIONS OF THE COMMUNITY Frances Rutledge Hunter Water	CHANGING THE WAY WE CHANGE; IT STARTS WITH A CONVERSATION Bronwen Sharples & Stacey Woods TasWater	COMPETENCY & CAPABILITY AUDIT & ASSESSMENT OF REMOTE WATER SUPPLY OPERATORS Michelle O'Donnell & Anne-Marie Cruickshank Power and Water	TBC	SELF SERVICE WEB PORTAL FOR PRESSURE AND FIRE FLOW FOR THE LAND AND BUILDING DEVELOPMENT INDUSTRY Alana Duncker Stantec	
3:15pm-4:00pm	AFTERNOON TEA							

	STREAM 1	STREAM 2	STREAM 3	STREAM 4	STREAM 5	STREAM 6	STREAM 7	STREAM 8
<b>4:00pm-5:30pm</b>	WORKSHOP & PANEL 10	PANEL 11	WORKSHOP & PANEL 12	PANEL 13	WORKSHOP & PANEL 14	PANEL 15	WORKSHOP/PANEL 16	 
	University of Technology Sydney presents: <b>NSSN WORKING WITH WATER INDUSTRIES TO REDUCE LEAKS AND BREAKS DURING DROUGHT</b>	SA Water presents: <b>ENERGY TRANSITION IN ACTION: CAPITALISING ON WATER ASSETS FOR A ZERO COST ENERGY FUTURE</b>	AWA Catchment Management Specialist Network presents: <b>PROTECTING OUR DRINKING WATER SUPPLY CATCHMENTS - ARE WE DOING ENOUGH UNDER CHANGING POLITICAL AND HYDROLOGICAL CONDITIONS?</b>	SMEC presents: <b>EFFICIENT AND EFFECTIVE DELIVERY OF REGIONAL WATER PROJECTS</b>	Barwon Water & Yarra Valley Water present: <b>COLLABORATING WITH TRADITIONAL OWNERS IN CARING FOR COUNTRY</b>	Goyder Institute for Water Research & Water Policy Group present: <b>ACHIEVING WELL INFORMED AND ALIGNED WATER DECISION MAKING WITH A FOCUS ON THE MURRAY-DARLING BASIN</b>	TO BE ANNOUNCED	TO BE ANNOUNCED
<b>6:30pm-11:00pm</b>	<b>OZWATER'20 GALA DINNER &amp; AUSTRALIAN WATER AWARDS (TICKET REQUIRED)</b>							