

9:00-10:30am KEYNOTE SPEAKER SESSION							
10:30-11:15am MORNING TEA							
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 	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	BUILDING SUSTAINABLE CITIES AND THRIVING COMMUNITIES	BUILDING SUSTAINABLE CITIES AND THRIVING COMMUNITIES	OPPORTUNITIES AND CHALLENGES IN GOVERNANCE, POLICY, REGULATION AND STRUCTURE	PUBLIC HEALTH & COMMUNITY WELLBEING	INDUSTRY SAFETY & WELLBEING PROGRAM  <b>JOHN HOLLAND</b>
WATER TREATMENT, ALGAE & ORGANICS	BIOSOLIDS	ASSET MANAGEMENT SYSTEMS	VALUING LIVEABILITY OUTCOMES	WATER SENSITIVE URBAN DESIGN & HYDROLOGY	SDGs & MODERN SLAVERY ACT	THMS	
223	352	458	466	21	86	289	
HYDRODYNAMIC RESERVOIR MODELLING: INFORMING OPERATIONAL DECISIONS IN RESPONSE TO PATHOGEN CHALLENGES Brooke Swaffer SA Water	FROM FLUSH TO FARM; EXCELLENCE IN BIOSOLIDS PRODUCTION AND MANAGEMENT AT SYDNEY'S LARGEST WWTP Laura Roff GHD	EQUATING SERVICE LEVELS TO COST - BUILDING SUSTAINABLE FUNDING MODELS FOR POTABLE WATER MAIN SYSTEMS Frederic Blin AECOM	USING A NATURAL CAPITAL FRAMEWORK TO ACHIEVE GREATER LIVEABILITY: A CASE STUDY Lili Pechey Natural Capital Economics	BALANCING AESTHETICS AND FUNCTION FOR KEY INFRASTRUCTURE Jonathan Rusterholz Unitywater	EXPLORING BLOCKCHAIN AS AN ALTERNATIVE DECENTRALISED ARCHITECTURE FOR WATER TRADING IN AUSTRALIA Jason Carr Arup	OPERATIONAL EFFICACY OF UV DISINFECTION OF WASTEWATER TREATMENT PLANTS IN THE SYDNEY DRINKING WATER CATCHMENT Lisa Hamilton WaterNSW	EXCLUSIVE WORKSHOP WITH KEYNOTE SPEAKER PROF. SIDNEY DEKKER DOING SAFETY DIFFERENTLY
28	161	253	ACCENT SPEAKER TO BE ANNOUNCED	105	235	203	
TRANSFORMING DRINKING WATER TREATMENT - MBBR FOR MIB AND GEOSMIN REMOVAL Katrin Doederer The University of Queensland	MOVING TOWARDS MAXIMUM BIOSOLIDS REDUCTION: ULTRA DEWATERING OF SLUDGE Veronique Bonnelye SUEZ	HUMAN CENTERED APPROACH TO ASSET MANAGEMENT Astrid Hartono Yarra Valley Water		REVIEW OF BASEFLOW CONTRIBUTION FROM WATER SENSITIVE URBAN DESIGN David Buck Central Queensland University	STRETCHING THE SUSTAINABLE DEVELOPMENT GOALS: CAPACITY BUILDING FOR THE AUSTRALIAN WATER PROFESSION Suzy Goldsmith Goldsmiths P/L Darryl Day ICE WaRM	RESILIENT WATER FILTRATION PLANTS FOR SYDNEY ADDRESSING CLIMATE CHANGE, DROUGHT, POPULATION GROWTH AND DISINFECTION TARGETS Darren Romain Jacobs	
288	196	279	183	89	360	60	
REAL-TIME MONITORING OF CYANOBACTERIA: VALIDATION OF FLUOROMETERS AS A TOOL FOR OPTIMISING TREATMENT PROCESSES Florence Choo UNSW	THERMAL HYDROLYSIS PROCESS OPTIMISATION IN RELATION TO ANAEROBIC DIGESTION Amin Malekizadeh Queensland Urban Utilities	STREAMLINING THE PRODUCTION OF ASSET MANAGEMENT PLANS (A DATA SCIENCE APPROACH) Duncan Sinclair South East Water	COMMUNITY VALUES FOR GREEN PUBLIC OPEN SPACE IN PERTH - A CHOICE MODELLING ANALYSIS Martin van Bueren Synergies Economic Consulting	WHOLE OF THE CATCHMENT COLLABORATION TO REDUCE FLOOD IMPACTS IN THE ELSTER CREEK CATCHMENT Suresh Bajracharya Melbourne Water	IMPACT OF THE INTRODUCTION OF THE MODERN SLAVERY ACT TO ASSET SUPPLY CHAINS Tina Northcott and Leeora Black Deloitte	THE ROAD FROM CHAPEL HELL TO CHAPEL HILL HEAVEN Charlene Wong Engeny Water Management Paul Sherman Queensland Urban Utilities	
140	47	17	199	342	197	205	
THE EFFECT OF MILD OXIDATION ON NATURAL ORGANIC MATTER REMOVAL BY COAGULATION Sina Moradi UNSW	SA WATER'S EXPERIENCE IN REDUCING STORAGE TIMES TO ACHIEVE GRADE A AND B BIOSOLIDS Alexandra Keegan SA Water	ACHIEVING MAINTENANCE EXCELLENCE AT WANNON WATER Paul Harris Marchmont Hill Consulting Ian Bail Wannon Water	DEMONSTRATING CUSTOMER WILLINGNESS TO PAY FOR DISCRETIONARY ENVIRONMENTAL AND LIVEABILITY SERVICES Emma Turner Hunter Water Corporation Jeremy Cheesman Marsden Jacob Associates	ELIZABETH QUAY WATER AND ENVIRONMENTAL MANAGEMENT Carl Davies RPS	SOCIAL PROCUREMENT FRAMEWORK DRIVING VALUE AND CHALLENGES OF MODERN SLAVERY LEGISLATION ON THE TENDER PROCESS Leanne Hill Melbourne Water	AN INNOVATIVE APPROACH FOR TARGETED THM REDUCTION WITHIN THE DISTRIBUTION NETWORK Claire Kolokas and David Cook SA Water	
385	290	483	410	91		220	
APPLICATION OF THE "WONDER" NEW MATERIAL GRAPHENE OXIDE IN THE WATER INDUSTRY Heriberto Bustamante Sydney Water	HYSTERESIS: THE IMPACT OF LEGACY ASSETS ON TOMORROW'S BIOSOLIDS STRATEGY Gareth Taylor AECOM	BETTER ASSET MANAGEMENT - A BREATH OF FRESH AIR Leon Holewa Yarra Valley Water	PATHWAYS TO A CARBON NEUTRAL WATER INDUSTRY Jurgen Thiele Calibre Professional Services	BUILDING A SUSTAINABLE CITY - INTEGRATING STORMWATER HARVESTING TO PROVIDE FLOOD PROTECTION AND WATER FOR MULTIPLE STAKEHOLDERS Michael Yule Spiire		MELBOURNE'S CHANGED DRINKING WATER QUALITY SINCE THE 1990S Carlota Rodriguez City West Water	
12:45-1:45pm LUNCH							



	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 	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	BUILDING SUSTAINABLE CITIES AND THRIVING COMMUNITIES	SERVICING & SUPPORTING RURAL, REMOTE AND REGIONAL AREAS	ENGAGING & WORKING WITH CUSTOMERS	PUBLIC HEALTH & COMMUNITY WELLBEING	INDUSTRY SAFETY & WELLBEING PROGRAM  <b>JOHN HOLLAND</b>
	CHALLENGES IN WATER TREATMENT	ENERGY MANAGEMENT	ASSET MANAGEMENT TOOLS	PLANNING FOR AN UNCERTAIN FUTURE	AGRICULTURAL EFFICIENCY	DATA & SMART METERS	LEAD & MICROPLASTICS	
	482	304	230	332	395	73	231	85
	NET ENERGY POSITIVE AND SUSTAINABLE WASTE WATER TREATMENT IN DENMARK Maj Møller Sørensen Aarhus Water	OPPORTUNITIES FOR REDUCED ELECTRICITY COSTS USING RENEWABLE ENERGY AND OPTIMISED PLANT OPERATIONS John Day North East Water	STREAMLINED INLET WORKS PROGRAM COST ESTIMATION AND JUSTIFICATION Scott White GHD	DELIVERING WATER INFRASTRUCTURE TO MEET OUR CITIES' GROWTH: A CLASSIC CHICKEN AND EGG CONUNDRUM! Julian Briggs Aurecon	HOW TO SUCCESSFULLY RESTRUCTURE A PROJECT IN DISTRESS Frank Fisseler Goulburn-Murray Water	USING DATA ANALYTICS TO DRIVE CUSTOMER VALUE Paul Cranwell SA Water	CARP VIRUS RELEASE: SIMULATED IMPACTS OF DECAYING FISH ON MICROBES AND TASTE AND ODOUR COMPOUNDS Richard Carney WaterNSW	A DEEP ISSUE: ELIMINATING CONFINED SPACE ENTRY FOR PUMP MAINTENANCE AT MAJOR PUMP STATIONS Anthony Domanti WSP/Logan Water Infrastructure Alliance
1:45-3:15pm	276	179	114	448	452	ACCENT SPEAKER TO BE ANNOUNCED	416	217
	HOT STANDBY: AN OPTIMISED PRODUCTION REGIME FOR THE ADELAIDE DESALINATION PLANT Daniel Bonini SA Water Javier Artal AdelaideAqua	ACHIEVING ENERGY NEUTRALITY: SETTING A VISION AND EMPOWERING YOUR STAFF Tim Constantine Jacobs	NO MORE GUESS WORK - A RISK BASED APPROACH TO PRIORITISING SERVICE RESERVOIR INSPECTION AND MAINTENANCE Ryan Leon Yarra Valley Water	READY FOR AN UNSTEADY FUTURE - BUILDING CLIMATE RESILIENT WATER SERVICES FOR SYDNEY, AUSTRALIA Christine Turner Sydney Water	ADAPTING TECHNOLOGY TO IMPROVE FARM AUDIT OUTCOMES Cassandre Tickner-Smith Tasmanian Irrigation		THE CASE FOR CHANGE: LEAD IN DRINKING WATER FROM BRASS PLUMBING PRODUCTS Suzie Sarkis Department of Health and Human Services (VIC)	INTERFLOW'S SAFETY CULTURE TRANSFORMATION - THE H2O VISION Adrian Smith Interflow
	417	33	44	103	394	151	180	50
	ADDRESSING THE IMPACTS OF THE BREAKING OF THE MILLENNIUM DROUGHT ON SYDNEY'S WATER FILTRATION PLANTS A S M Mohiuddin Sydney Water	AN APPLICATION OF ENERGY SAVING OPTIMISATION TO WATER DISTRIBUTION NETWORKS Yanchang Zhao DATA61/CSIRO	POINT BREAK FOR THE WSUD ASSET WAVE Brad Dalrymple Stormwater360	ADAPTIVE PATHWAYS INCEPTION: ESTABLISHING CRITICAL LIMITS FOR THE MELBOURNE SEWERAGE SYSTEM Kelly Brooks and Clare McAuliffe Melbourne Water	CONNECTIONS PROJECT: ENSURING THE FUTURE PROSPERITY OF THE GOULBURN-MURRAY IRRIGATION DISTRICT (GMID) Frank Fisseler Goulburn-Murray Water	THE NEXT GENERATION OF INTELLIGENT SYSTEM FOR URBAN WATER MANAGEMENT Khoi Nguyen Griffith University	LEAD IN THE WATER: A WATER UTILITIES RESPONSE Rachael Miller Water Corporation	COLLABORATING FOR A SAFE WORK ENVIRONMENT - HOW SOUTH EAST WATER IS WORKING WITH URBAN UTILITIES IN CREATING A SAFER WORKING ENVIRONMENT Kashif Azhar and John Hribar South East Water
305	265	99	387	396	163	13	473	
ACIDIFIED ALUM FOR IMPROVED WATER TREATMENT WITHOUT THE CAPITAL EXPENSE Phil Wootton Allwater	ENERGY MANAGEMENT AT ALLWATER: OPTIMISING AND REDUCING POWER USAGE ACROSS THE BUSINESS Jennifer Dreyfus Allwater	OSDAT - OPERATIONAL SEWER DATA ANALYSIS TOOLKIT Rebecca Lockett Sydney Water Jianjia Zhang DATA61/CSIRO	SCENARIO PLANNING - TURNING SCENARIO NARRATIVES INTO AN ACTIVE PLANNING TOOL Stephen Cook CSIRO Andrew Woods Sydney Water	BOX CREEK WEIR: DRIVING EFFICIENCY FOR IRRIGATORS AND BENEFITS FOR THE ENVIRONMENT Dan Arnold Goulburn-Murray Water Connections Project	GOING REAL TIME IN WATER CONSERVATION - OUR EXPERIENCE Sean Cohen SUEZ	LEARNINGS FROM THE FIRST DOCUMENTED DISCHARGE OF MICROPLASTIC PELLETS FROM AN AUSTRALIA SEWAGE TREATMENT PLANT Ian Bail Wannon Water	AUGMENTED REALITY - IMPROVING THE SAFETY, EFFICIENCY AND EFFECTIVENESS OF TRAINING DELIVERY Penny Griffiths IXOM	
7	207	272	101	228	95		376	
MT CROSBY PLANNING STRATEGY FOR A NEW COAT OF PAINT Lee Foster WSP	STRATEGIC ENERGY MANAGEMENT PASSES THE TEST OF TIME Rob Macpherson EfficientSee	ADVANCED BLOKOID® - DETECTING PARTIAL BLOCKAGES AND ENABLING PROACTIVE MAINTENANCE AT SOUTH EAST WATER Charles Swain South East Water	BIG DATA AND PREDICTIVE ANALYTICS: AN INNOVATIVE APPROACH FOR THE PERTH RESIDENTIAL WATER USE STUDY Natasha Ogonowski Water Corporation	INNOVATIVE DEBRIS COLLECTION AND REMOVAL SYSTEMS FOR AN IRRIGATION CHANNEL OFFTAKE Sam Bustard GHD	LIVEABILITY, WATER CONSERVATION AND COMMUNITY BENEFIT - WATER USE IN SCHOOLS ON THE GOLD COAST Tahlia Rossi City of Gold Coast	TO BE CONFIRMED	IMPROVING OPERATOR SAFETY THROUGH INNOVATIVE PRODUCT DESIGN Adrian Blinman TRILITY Group	
3:15pm-4:00pm	CLOSING NETWORKING DRINKS (OUTSIDE THE SESSION ROOMS)							



OZWATER DELEGATE  
OPTIONAL SITE TOURS

3:15pm-5:45pm

TOUR THREE: 'WALKIN COUNTRY, WALKIN BIRRARUNG' - THE ABORIGINAL YARRA RIVER WALK

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