






TUESDAY, 8 MAY 2018

0830 - 1000		OPENING CEREMONY KEYNOTE ADDRESS										
1000 - 1045		MORNING TEA										
Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6	Stream 7	Stream 8	Stream 9				
Excellence in Operations & Asset Management <i>Network Optimisation</i> 	Excellence in Operations & Asset Management <i>Demand Management</i>	Community Health & Wellbeing <i>Managing Public Health in the Regions</i>	Trends & Opportunities in Governance Policy, Regulation & Structure <i>Trends in Governance and Policy Development in a Changing World</i>	Working with Customers <i>Enhancing Customer Experience Through Transformation</i>	Global Perspectives <i>Achieving SDGs</i>	Water Leaders Forum (Invite Only)	Workshop / Panel One	Emerging Water Leaders				
Pitch Presentation 1 330 - WESTERN ADELAIDE WASTEWATER NETWORK UPGRADE: THE ISSUES FACING LARGE SEWER PROJECTS WITHIN A CAPITAL CITY John Skirrow, WSP	Pitch Presentation 7 194 - THE USE OF SYNTHETIC WEATHER GENERATION MODELLING TO QUANTIFY THE IMPACT OF CLIMATE CHANGE ON SHORT TO MEDIUM TERM WATER DEMAND FORECASTS. Frank Spaninks, Sydney Water Adrian Barker, UNSW	Pitch Presentation 13 307 - IMPROVING DRINKING WATER MANAGEMENT IN WALCHA NEW SOUTH WALES SUPPORTED BY REGULATION Tess Dawson, Walcha Council Tasleem Hasan, Viridis Consultants	Pitch Presentation 19 126 - GYMPIE REGION WATER BUSINESS UNIT JOURNEY TO 2020 Sayed Khan, Gympie Regional Council	Pitch Presentation 25 309 - ASSESSING ORGANISATIONAL MATURITY TO REALISE AND SUSTAIN TRADE WASTE CUSTOMER SOLUTIONS Libby Vojin, SA Water Lachlan McInnes, Nova Systems	Pitch Presentation 31 484 - TIPOTAPP - CUSTOM BUSINESS APPS MADE EASY Peter Wojciechowski, Collab IT Systems	Proudly Sponsored by: 	The Water and Carbon Group Presents: WWTP SLUDGE CONVERSION FROM A WASTE PRODUCT TO A BENEFICIAL BIOSOLID - GLOBAL PERSPECTIVES, QLD TRIALS, LEGISLATION AND FUTURE USES	Proudly Sponsored by: 				
78 DEVELOPMENT AND PILOT OF WATER MAIN THIRD PARTY CONSEQUENCE MODEL Duncan Sinclair, South East Water David Kelly, Jacobs	313 ONLINE PLANNING TOOL FOR SUSTAINABLE WATER DEMAND MANAGEMENT Marion Derochet, Mott MacDonald Nasrine Tomasi, Mott MacDonald	158 COLLABORATIVE IMPLEMENTATION OF DRINKING WATER MANAGEMENT PLANS THROUGH WATER QUALITY COMMITTEE MEETINGS Lisa Procter, Hunterh2o	ACCENT SPEAKER HOW THE B CORP MOVEMENT IS REDEFINING SUCCESS IN BUSINESS Monica Bradley, B Lab Australia	59 WATER UTILITIES MUST VIEW TECHNOLOGY INNOVATION THROUGH A BUSINESS LENS Stuart Hartley, EY	192 ONE SIZE DOESN'T FIT ALL: SCALING WATER SOLUTIONS TO ACHIEVE THE GLOBAL SUSTAINABLE DEVELOPMENT GOALS Shona Fitzgerald, Sydney Water				WATER: COST VS VALUE			
258 THE SMELL OF SUCCESS - ROSNY SEWER NETWORK ODOUR CONTROL OPTIMISATION James Benham, TasWater	424 IMPROVING UNDERSTANDING OF WATER DEMAND DRIVERS AND THE IMPLICATIONS FOR MEDIUM AND LONG-TERM FORECASTING Russell Beatty, HARC	255 UNDERSTANDING AND OPTIMISING DISINFECTION PERFORMANCE IN A WATER SUPPLY NETWORK – CASE STUDY OF THE GLADSTONE REGIONAL COUNCIL'S THREE SCHEME NETWORK Roger Crozier, Stantec Neels Kloppers, Gladstone Regional Council	193 STRATEGIC THINKING – SCENARIO PLANNING FOR AN UNCERTAIN FUTURE Marcia Dawson, Sydney Water Magnus Moglia, CSIRO	189 SYDNEY WATER'S CUSTOMER HUB: TOWARDS AN ENHANCED CUSTOMER EXPERIENCE Darren Cash, Sydney Water	227 BRIDGING THE GAP: BUILDING HUMAN RESOURCE CAPACITY IN CAMBODIA FOR SUSTAINABLE DEVELOPMENT IN WASH SECTOR Fatima Shehata, Engineers without Borders Australia							
11 CALCULATION OF ECONOMIC LEVEL OF LEAKAGE FOR UNITYWATER'S WATER SUPPLY NETWORK Ken Goraya, Unitywater	135 ENHANCEMENTS AND VALIDATION OF A DEMAND FORECAST TOOL FOR SOUTH AUSTRALIA WATER CORPORATION Alana Duncker, Stantec	406 SUSTAINED IMPROVEMENT IN WATER QUALITY THROUGH APPLYING A PREVENTIVE RISK MANAGEMENT APPROACH Sandy Leask, NSW Health	476 DISRUPTORS AND MEGATRENDS; IDENTIFYING EXTERNAL FACTORS FOR THE MELBOURNE SEWERAGE STRATEGY 2018 Simon Fane, Institute for Sustainable Futures UTS Laura Prickett, Yarra Valley Water	471 MELBOURNE WATER DIGITAL CUSTOMER TRANSFORMATION Lee Quach, Melbourne Water Bree Webster, Melbourne Water	<i>Session in development</i>							
Pitch Presentation 2 204 - RAPID OPTIMISATION OF A WET- TO ALL-WEATHER PUMP STATION CONVERSION USING CFD MODELLING Eric Lemont, AECOM	Pitch Presentation 8 65 - EUROPEAN TECHNOLOGY PROVIDES LOWEST AERATION SYSTEM LIFECYCLE COST Michael Jakob, Parkson	Pitch Presentation 14 239 - A REVISED VICTORIAN CODE OF PRACTICE FOR FLUORIDATION OF DRINKING WATER SUPPLIES Gwynneth Rice, Beca	Pitch Presentation 20 290 - A RESILIENT WATER FUTURE FOR THE LOWER HUNTER REGION Emma Berry, Hunter Water	Pitch Presentation 26 68 - MURRAY IRRIGATION - MODERNISING THE SOUTHERN RIVERINA Michael Renehan, Murray Irrigation								
1215 - 1315 LUNCH												
<i>Product Pitch Presentation</i> <i>Poster Pitch Presentation</i>				<i>Technical Presentation</i> <i>Case study Presentation</i>								

* Correct at time of publication 13/03/2018

	Excellence in Operations & Asset Management	Excellence in Operations & Asset Management	Community Health & Wellbeing	Trends & Opportunities in Governance Policy, Regulation & Structure	Working with Customers	Global Perspectives	Workshop / Panel Two	Workshop / Panel Three	Emerging Water Leaders			
	Water Network Monitoring 	Integrated & Strategic Planning	Securing Public Health	IWCM: How do we pay for it & how do we regulate it?	What does it mean to be Customer Centric?	International Experience of Innovative Investment						
	Pitch Presentation 3 342 - WHO'S WORKING ON YOUR PIPES? THE EVOLUTION OF NETWORK ACCESS Igor Jungic Queensland Urban Utilities	Pitch Presentation 9 38 - HOSTALEN PP H2483 – A POLYPROPYLENE COPOLYMER WITH EXCEPTIONAL MECHANICAL PROPERTIES BALANCE BY HMC POLYMERS Dr. Andreas Neumann HMC Polymers	Pitch Presentation 15 402 - RESERVOIR MANAGEMENT - IT'S ALL ABOUT THE LITTLE THINGS Leah Sertorio Queensland Urban Utilities	Pitch Presentation 21 319 - NEW ZEALAND VERSUS AUSTRALIA! A WATER CONSUMER COMPARISON Myles Rogerson Arup	Pitch Presentation 27 80 - PROMISING TO DELIVER TO OUR CUSTOMERS' EXPECTATIONS... AND WHAT WE DO WHEN WE DON'T. Helen Spencer SA Water	Pitch Presentation 32 349 - NUTRIENT REMOVAL SEWAGE TREATMENT IN DEVELOPING COUNTRIES – BETTERING PUBLIC HEALTH AND THE ENVIRONMENT IN MANILA Brett Eaton Cardno	Yarra Valley Water Presents: YOU ARE WHAT YOU BUY - OPTIMISING SOCIAL VALUE THROUGH OUR SUPPLY CHAIN	Australian Water Association's Asset Management Specialist Network Presents: ORGANISATIONAL SUCCESS AND CUSTOMER OUTCOMES THROUGH A STRONG ASSET MANAGEMENT CULTURE	Proudly Sponsored by: 			
	75 ADELAIDE CBD SMART WATER NETWORK Peter Seltsikas, SA Water Dr Helen Edmonds, SA Water	ACCENT SPEAKER WILL WASTEWATER BE THE NEW BLACK? Prof Pascal Perez SMART Infrastructure Facility, University of Wollongong	260 A VISUAL TOOL COMBINING BEST PRACTICE OPERATIONS AND HEALTH BASED TARGETS Steve Westgate, TasWater Matthew Robertson, TasWater	229 HOW IS THE WATER SECTOR SUPPORTING AND CREATING SUSTAINABLE COMMUNITIES? Kevin Werksman EY	152 PERSONALISED & EMPATHETIC CUSTOMER MANAGEMENT - WHAT AUSTRALIAN WATER SECTOR CAN LEARN FROM GLOBAL EXPERIENCE Cassandra Hogan KPMG	408 ASSESSING THE LONG TERM INVESTMENT NEEDS OF THE UK WATER INDUSTRY - ARE WE DOING ENOUGH? George Heywood Servelec Technologies						
	144 AN INNOVATIVE WATER CONTROL ROOM FOR THE GOULBURN BROKEN CATCHMENT MANAGEMENT AUTHORITY Brian Jackson Water Technology	335 PLANNING MELBOURNE WATER'S WATER, WASTEWATER AND STORMWATER NETWORKS FOR THE NEXT 50 YEARS Andy Chan, Melbourne Water Ryan Brothie, GHD	325 PRACTICAL MONITORING AND AUTOMATED REPORTING ON HEALTH BASED TARGETS (HBT) Phil Wootton Allwater	413 SYSTEMS ANALYSIS AND BIG DATA REVEALS ECONOMIC EFFICIENCY OF SOLUTIONS AT MULTIPLE SCALES Professor Peter Coombes Urban Watercycle Solutions	382 YARRA VALLEY WATER CITIZENS' JURY David Snadden Yarra Valley Water	118 INTERNATIONAL COLLABORATION TO EVALUATE THE COSTS AND BENEFITS OF WATER INFRASTRUCTURE INVESTMENTS IN THE PHILIPPINES Nick Clarke Aither						
	162 EYES IN THE NETWORK – HOW THE 'HYDRANT INSERTION DEVICE' ENABLES GREATER REALTIME MONITORING Asoka Jayaratne Yarra Valley Water	180 EFFECTIVE RENEWALS PLANNING PROCESS WITH ROBUST INVESTMENT PLANNING FOR TREATMENT OPERATING ASSETS IN SYDNEY WATER Nandu Marathe, Sydney Water Konrad Kempe, Sydney Water	251 ATP. A TOOL FOR THE RAPID EVALUATION OF WATER QUALITY Benjamin Deeley TasWater	358 THE PERILS AND PITFALLS OF INTEGRATED WATER MANAGEMENT PLANNING IN VICTORIA'S NATIONAL EMPLOYMENT AND INNOVATION CLUSTERS Simon Roberts E2Designlab	241 #CUSTOMERSFIRST: A LOVE STORY Sophea Eng City West Water	321 REDUCING WASTEWATER OVERFLOWS: A PRAGMATIC APPROACH TO OPTIMISE CAPITAL INVESTMENT IN CHRISTCHURCH Joel Wilson, WCS Engineering Bridget O'Brien, Christchurch City Council						
	368 ONLINE WATER QUALITY MONITORING AND INSTRUMENTS – THE VOICE OF EXPERIENCE Prof. Chris Chow School of Natural and Built Environments - University of South Australia	139 BRINGING OUR ASSET MANAGEMENT PLANS INTO THE MAINSTREAM Aneurin Hughes Logan Water Infrastructure Alliance	153 HAVELOCK NORTH WATER SUPPLY 2016 OUTBREAK Andrew Watson Beca	324 EFFECTS BASED ASSESSMENT FRAMEWORK FOR MANAGEMENT OF WET WEATHER SEWER OVERFLOWS Frances Rutledge Hunter Water	259 TASWATER'S APPROACH TO PUTTING CUSTOMERS AT THE HEART OF OUR LONG TERM STRATEGIC PLAN Eamon Sullivan TasWater	256 AN INNOVATION FRAMEWORK FOR THE PHILIPPINE WATER MARKET Monica Bennett, Isle Utilities Yang Villa, Isle Utilities						
	Pitch Presentation 4 275 - DETERMINING POPULATION NUMBERS TO UPDATE DRINKING WATER QUALITY SAMPLING PROGRAMS Carlota Rodriguez City West Water	Pitch Presentation 10 190 - INTEGRATED WASTEWATER SERVICING OVER THREE CATCHMENTS, SYDNEY, AUSTRALIA Django Secombe, Sydney Water Phil Von Huben, ENSure Joint Venture	Pitch Presentation 16 403 - CHARACTERISATION OF NANOMATERIALS IN COMPLEX MATRICIES AT ENVIRONMENTALLY RELEVANT CONCENTRATIONS BY SINGLE-PARTICLE ICP-MS Asa Jamting National Measurement Institute	Pitch Presentation 22 163 - COMPREHENSIVE ESTUARY MODELLING FOR INTEGRATED PLANNING, MANAGEMENT AND REGULATION OF FIVE WASTEWATER TREATMENT PLANTS Zoe Rogers Hunter Water Corporation	Pitch Presentation 28 332 - MACKAY SMART SEWERS Kylie Rogers Mackay Regional Council	Pitch Presentation 33 240 - INTRODUCING A WATER INNOVATION STRATEGY: A CHANGE THAT ADDS VALUE Bronwen Sharples TasWater						
1315 - 1515	AFTERNOON TEA											
1515 - 1600	AFTERNOON TEA											
	Product Pitch Presentation Poster Pitch Presentation			Technical Presentation Case study Presentation								

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	Excellence in Operations & Asset Management	Excellence in Operations & Asset Management	Community Health & Wellbeing	Trends & Opportunities in Governance Policy, Regulation & Structure	Working with Customers	Global Perspectives	Workshop / Panel Four	Workshop / Panel Five	Student Water Prize National Finalist Presentations	
	Water Network Monitoring <i>Pitch Presentation 5</i> 464 - TELOG IOT WATER MONITORING INSTRUMENTS Brad Dalton SmartTech Australia	Environmental Management <i>Pitch Presentation 11</i> 265 - SIMULATING A CARP VIRUS RELEASE TO QUANTIFY THE IMPACT OF DECAYING FISH ON WATER QUALITY Joe Pera WaterNSW	Emerging Contaminants <i>Pitch Presentation 17</i> 36 - MANAGING THE PFAS ISSUE Dr Peter Nadebaum GHD	Getting Investment Right <i>Pitch Presentation 23</i> 376 - SOCIOECONOMIC IMPACTS OF THE MURRAY DARLING BASIN PLAN IN VICTORIA Charles Harman Brown DELWP	Are we Thinking about our Commercial Customers? <i>Pitch Presentation 29</i> 369 - THE JOURNEY TOWARD MEANINGFUL, CONTEMPORARY ENGAGEMENT Andrew Rose GWMWater	Water's Contribution to Energy Security <i>Pitch Presentation 34</i> 92 - ZEELUNG MEMBRANE AERATED BIOFILM REACTOR (MABR): AN INNOVATIVE AND ENERGY EFFICIENT NUTRIENT REMOVAL SOLUTION Jennine Finlayson SUEZ	CRC for Water Sensitive Cities Presents: IMPROVING LIVEABILITY AND PRODUCTIVITY OF AUSTRALIAN CITIES - HOW CAN THE WATER INDUSTRY INFLUENCE OUR RAPID URBAN DEVELOPMENT AND HELP TO DELIVER THIS DESIRABLE OUTCOME?	Australian Water Association & Australian Water Partnerships Presents WOMEN OF WATER (TBC)	INVESTIGATION OF BORE CONDITION ASSESSMENT METHODOLOGIES AND DETERMINATION OF REMAINING SERVICE LIFE Sean Ding, University of Western Australia & Water Corporation	
108	LEAK DETECTION IN THE ADELAIDE CBD WATER NETWORK USING PERMANENT ACOUSTIC MONITORING Mark Stephens SA Water	221 SIMPLE MODELLING OF WATER QUALITY RISKS TO WATERWAYS FROM WASTEWATER DISCHARGES Dr Bonnie Bonneville Jacobs	7 ENGINEERED NANOMATERIALS AND POTABLE REUSE - SHOULD WE BE CONCERNED ? Ian Law IBL Solutions	208 DEVELOPMENT OF AN INVESTMENT OPTIMISATION AND PRIORITISATION MODEL INCORPORATING CUSTOMER, REGULATOR AND BUSINESS PREFERENCES Tanu Kaur, Jacobs Dr David Lynch, Jacobs	<i>Accent Speaker to be announced</i>	323 REALISED RESULTS OF A 2.5 YEAR ENERGY OPTIMISATION INITIATIVE IMPLEMENTED AT 9 SEWAGE TREATMENT PLANTS Nicholas Collins, Stantec King Intrapaboorn, Unitywater			QUANTIFYING WASTEWATER DEWATERABILITY FOR IMPROVED WATER RECYCLING Samuel Skinner, The University of Melbourne	
196	MODELLING OF PRESSURE REDUCING VALVE (PRV) MODULATION IN RESPONSE TO TRANSIENT PRESSURES IN WATER SUPPLY SYSTEMS Rohan Naidu AECOM	223 A MODIFIED QWASI MODEL FOR PREDICTING FATE AND TRANSPORT OF MICROPOLLUTANTS IN A WASTEWATER LAGOON Yufei Wang RMIT University	42 EMERGING CONTAMINANTS AND MICROPOLLUTANTS: WHAT IMPACT DO THEY HAVE ON OUR HEALTH AND WELLBEING? Gabby Butera Arup	252 APPROACHES TO WATER REUSE PRICING - A REVIEW OF THE VICTORIAN EXPERIENCE UNDER PREMO V1 Rachel Watson Institute for Sustainable Futures, UTS	170 GROWING THE BAROSSA THROUGH CUSTOMER COLLABORATION Lynda Hamden SA Water	296 THIRSTY ENERGY: INTEGRATED THINKING AND PLANNING REQUIRED TO SUSTAINABLY MANAGE THE WATER-ENERGY-CLIMATE NEXUS James Cullis Aurecon			DEVELOPMENT AND HELP TO DELIVER THIS DESIRABLE OUTCOME?	SMART MONITORING FOR MICROBIAL RISK ASSESSMENT Sarah Aucote, Flinders University
165	CRAIGIEBURN SEWAGE TRANSFER HUB – SERVICING GROWTH THROUGH INNOVATION AND COLLABORATION Paul Patrick, Yarra Valley Water Paul Luscombe, Jacobs	52 AN INNOVATIVE APPROACH TO VALUING ENVIRONMENTAL IMPACTS OF SEWAGE SPILLS Duncan Sinclair, South East Water Amelia French, CDM Smith	218 OPTIONS AND CHALLENGES FOR PFAS REMOVAL IN WATER TREATMENT Dr Yaode Yan Hunterh2o	115 AUSTRALIAN URBAN WATER RESEARCH – COSTS, BENEFITS AND A SMARTER FUNDING MODEL Peter Dillon	87 ADVANCING WATER CONSERVATION – CASE STUDIES FROM THE AUSTRALIAN MEAT PROCESSING CORPORATION Jane Gaffel The Ecoefficiency Group	297 LISMORE SEWAGE TREATMENT PLANT REALIZES AUSTRALIA'S FIRST COMMUNITY FUNDED, COUNCIL OWNED FLOATING SOLAR SYSTEM Geoff Fussell Suntrix			UNDERSTANDING THE ECOLOGICAL BASIS FOR HUMAN HEALTH RISKS ASSOCIATED WITH DRINKING WATER DRAWN FROM A SUB-TROPICAL FRESHWATER CATCHMENT Adam Rose, CQUniversity	
	Pitch Presentation 6 442 - THE PRACTICAL USE OF ELECTRONIC SURVEILLANCE FOR PROTECTION OF DRINKING WATER SOURCES Jerome Douziech Aroona Alliance	Pitch Presentation 12 411 - IMPROVING WATER QUALITY OFF NEWCASTLE'S BEACHES: THE BURWOOD BEACH WWTW UV DISINFECTION UPGRADE Julian Briggs Aurecon	Pitch Presentation 18 103 - AN EVALUATION OF SAMPLING METHODS FOR EMERGING CONTAMINANTS USING A COMPUTATIONAL APPROACH Christine Close RMIT University	Pitch Presentation 24 267 - BUILDING CUSTOMER PREFERENCES INTO ASSET MANAGEMENT DECISIONS Katherine Larkings Icon Water	Pitch Presentation 30 146 - HYDRONET RAINWATCH – FORECASTED, OBSERVED AND HISTORICAL WEATHER DATA AT YOUR FINGERTIPS Brian Jackson Water Technology	Pitch Presentation 35 187 - ENERGY BENCHMARKING – EUROPEAN BEST PRACTICE APPLIED LOCALLY Greg Appleby, Sydney Water George Charakos, Melbourne Water				

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- Poster Pitch Presentation
- Technical Presentation
- Case study Presentation