

Monday 19th April 2010

Official Opening Ceremony
08:30 - 10:05

1A
WISA President &
Conference Chair: Mr. Dave Nozaic

Official Welcome

Session 2
10:35 - 12:40

| VENUE | PAPER REFERENCE | PRESENTER | | TITLE | THEME |
|-------|-----------------|--------------------|--------------------|--|------------------------------------|
| 1AB | 66 17 | Alan | Brent | Towards an appropriate framework for the selection of sustainable sewage purification processes in South Africa | Management & Institutional Affairs |
| | 77 30 | Robyn | Tompkins | Incorporating International River Basin Management into Trans-Frontier Conservation Areas Management using a Systems Approach: A Conceptual Case Study | |
| | 220 170 | Gift | Manase | The strategic role of water in sustainable economic growth and development: Implications for South Africa | |
| | 279 229 | Suhayl | Rawhani | Bulk Potable Water Delivery in KwaZulu-Natal Implementing Umgeni Water's Capital Projects Programme | |
| | 323 251 | Alejandro | De Palencia | Targeting the needs in the water sector: the potential of Water Point Mapping. A case study from Tanzania | |
| MR11 | WORKSHOP | A Venter & R Heath | | Climate Change | WORKSHOP |
| MR12 | 120 73 | Adrian | Van Heerden | Practical application and integration of internet-based tools for water demand at the Hemel and Aarde Estate in Hermanus, South Africa. | Potable Water |
| | 128 81.2 | Paul | Janse van Rensburg | Dual Grey and Drinking Water Reticulation Systems for High-Density Urban and Residential Dwellings in South Africa | |
| | 142 95 | Heinz | Jacobs | Assessing the impact of personal on-site water resources in serviced residential areas on water demand and wastewater flow | |
| | 184 135 | Marietjie | Griffioen | Modeling Water Demand on a Suburb Level | |
| | 232 181.1 | Stephen | Nyende-Byakika | The Hydraulic Impact of Water Supply Network Expansions | |
| MR21A | 60 12 | Herman | Wiechers | Water Quality Management as a Key Component of Catchment Management | Environmental Aspects |
| | 109 62 | John | Harrison | Prescription or Professionalism as a Process for EIA? – the Umdloti Wastewater Treatment Works EIA as a case study. | |
| | 159 111.1 | David | Rogers | Comparison of Waterval and Grootdraai stream measurements of pH with typical mine drainage time profiles | |
| | 203 153 | Nico | Rossouw | A Guide to the Visual Assessment of Eutrophication Problems | |
| | 219 169 | Lungile | Lukhele | Nanotechnology for Safe Drinking Water in South Africa: What are the Risks? | |
| MR21B | 254 203.5 | Lingam | Pillay | Evaluation of a Woven Fabric Immersed Membrane Bioreactor (WFIMMF) for Wastewater Reclamation | Membrane Processes |
| | 268 218 | Sudhir | Pillay | Performance of an Anaerobic Baffled Reactor with a Membrane Post-Treatment Step Treating a Synthetic Blackwater | |
| | 85 39 | Heribert | Möslang | Membrane Bioreactors – Key Technology for Water Reuse | |
| | 300 243 | Martin | Pryor | Energy Efficiency for a SEA WATER DESALINATION PLANT in Namibia | |
| MR22A | WORKSHOP | Heinz | Jacobs | Sewer system planning & design. | WORKSHOP |
| MR22B | WORKSHOP | L | Manus | WSP & BD | WORKSHOP |

Session 3
13:40 - 15:20

| VENUE | PAPER REFERENCE | | PRESENTER | | TITLE | THEME |
|-------|-----------------|-----|------------|-------------|--|------------------------------------|
| MR11 | 81 | 35 | Derek | Hazelton | The Phiri case as a guide to achieving equity in sustainable services delivery | Management & Institutional Affairs |
| | 242 | 191 | Peter | Twesigye. R | TARIFF INDEXATION IN UGANDA'S WATER UTILITY AS A PERFORMANCE DRIVER FOR SERVICE DELIVERY. | |
| | 318 | 250 | Barbara | Schreiner | Water regulation in South Africa - understanding the challenge. | |
| | 139 | 92 | Kevin | Wall | Water Services Infrastructure Asset Management: A Framework for National Implementation | |
| MR12 | 88 | 42 | Amanda | Cassa | A Numerical Investigation Into The Behaviour Of Cracks In Water Pipes | Potable Water |
| | 102 | 55 | Ayesha | Carrim | A GUIDE TO PLANT OPTIMISATION | |
| | 214 | 164 | Luis | Carvalho | Twelve Most Critical Steps To Optimize Your Plant's Overall Water Treatment - The Facts, And Some Folklore and Fiction Too | |
| | 225 | 175 | Gideon | De Villiers | From raw water characterisation to design values: Treating the Nile River water at Khartoum, Sudan | |
| MR21A | 223 | 173 | Chavon | Williams | Mercury Consintrations in water resources potentially impacted by coal-fired power stations and artisanal gold mining in South Africa | Environmental Aspects |
| | 280 | 230 | Melanie | Wilkinson | Cost-benefit analysis of the use of humanure from Urine Diversion toilets on subsistence crops in the rural areas of South Africa | |
| | 52 | 5 | Pulane | Molokwane | Chromium (VI) removal in a packed mesocosm reactors | |
| MR21B | 133 | 86 | Thabo John | Brooms | Characterization of NF membranes for rejection of varying oxidation states of nickel (Ni), copper (Cu), palladium (Pd) and silver (Ag) | Membrane Processes |
| | 169 | 120 | Bongani | Xaba | Separation and recovery of selected transition-metal catalyst systems using membrane processes. | |
| | 328 | 282 | M.S | Osman | Treatment of Electrodialysis Reversal Brine using Membrane Distillation | |
| MR22A | WORKSHOP | | D | Trollip | Sludge Guidelines | WORKSHOP |
| MR22B | WORKSHOP | | L | Manus | WSP & BD | WORKSHOP |

Session 4
15:40 - 16:55

| VENUE | PAPER REFERENCE | | PRESENTER | | TITLE | THEME |
|-------|-----------------|-------|------------|----------|--|------------------------------------|
| MR11 | 94 | 48.1 | Josiah | Adeyemo | Multi-objective differential evolution (MDEA) for groundwater management | Management & Institutional Affairs |
| | 151 | 104 | Bekithemba | Gumbo | Financing and cost recovery of water demand management projects in Southern Africa | |
| | 147 | 100 | Marshall | Sheldon | A Franchising Model for the Operation and Maintenance of Membrane Technology-based Trade Effluent Treatment Plants | |
| MR12 | 259 | 209 | Shakera | Arendze | PRACTICAL MEANS OF SOLVING MUD BALL PROBLEMS IN SAND FILTER MEDIA | Potable Water |
| | 282 | 232 | Lufefe | Siko | OPERATIONAL EXPERIENCES AT COASTAL WATER RECYCLING PLANT | |
| | 306 | 260 | Thomas | Getting | An American Approach to Designing and Rehabilitating Gravity Filter Systems | |
| MR21A | 245 | 194.2 | Zama | Siqalaba | The Role Of Training and Capacity Building in the Implementation of Water Demand Management | Education and Training |
| | 256 | 206 | Gareth | McConkey | CAPACITY BUILDING OF PROCESS CONTROLLERS AT WATER SERVICES AUTHORITIES IN THE WESTERN CAPE THROUGH THE USE OF THE MUNICIPAL ASSISTANT™ | |
| | 293 | 236 | Christiaan | De Jager | A Toolbox of Bio-assays for Detection of Estrogenic Activity in Water | |
| MR21B | 326 | 255.2 | Andrew | Layson | Introduction and application of advanced water treatment with membrane filtration in Europe, Australia and NZ | Membrane Processes |
| | 327 | 270 | Rhett | Butler | LATEST DEVELOPMENTS AND DESIGN CONSIDERATIONS FOR LOW PRESSURE MEMBRANE FILTRATION FOR SEAWATER RO DESALINATION PRE-TREATMENT | |
| MR22A | WORKSHOP | | M | Murovhi | Water Reuse Registration | WORKSHOP |
| MR22B | WORKSHOP | | L | Manus | WSP & BD | WORKSHOP |

Tuesday 20 April 2010

Session 1

08:00 - 10:05

| VENUE | PAPER REFERENCE | PRESENTER | | TITLE | THEME |
|-------|-----------------|-----------------|----------------|--|-------------------------------------|
| 1A | 57/10 | Moses Themba | Makhweyane | Water Governance: How Water Service Authorities Darkened the Sun | Management & Institutional Affairs |
| | 71/24 | James | Gibson | Operational Performance Measurement: The Case of Debre Birhan Water Supply and Sewerage Service in Ethiopia | |
| | 87/41 | Sizani | Moshidi | Measuring and publishing water services delivery performance: A regulatory imperative | |
| | 107/61 | Michele Ann | McDonald | Lessons Learned in transferring the water services function from national government to local government | |
| | 143/96 | Kevin | Wall | THE SAICE INFRASTRUCTURE REPORT CARD – OUR TAKE ON WATER SERVICES | |
| 1B | 130/83 | Sekomeng | Modise | Reduction of fluoride and nitrate in rural groundwater using NF membranes | Community Water Supply & Sanitation |
| | 144/97 | Mike | Masukume | NITRATE REMOVAL FROM GROUNDWATER USING MODIFIED NATURAL ZEOLITE | |
| | 148/101 | Cyprian | Murutu | Investigation on limestone-derived apatite as a potential low cost adsorbent for drinking water defluoridation | |
| | 208/158 | Daniel Nicolaas | Meyer | Baseline Study on the Sulphur Load Across Individual Process Units at Waste Water Treatment Plants | |
| | 221/171.1 | Anthony | Von Loggenburg | Intergration of MBR with RO for water re-use | |
| MR11 | 103/56.1 | Susan Delia | Freese | COST IMPLICATIONS OF DETERGENT PHOSPHORUS ON WASTEWATER TREATMENT | Wastewater |
| | 103/56.2 | Susan Delia | Freese | TOXICITY OF COMMONLY USED HOUSEHOLD DISINFECTANTS TO THE ACTIVATED SLUDGE PROCESS | |
| | 111/64 | Preshanthie | Naicker | AN EVALUATION OF AN ONSITE BIOLOGICAL GREYWATER TREATMENT SYSTEM WHEN EXPOSED TO DIFFERENT LOADING SCENARIOS | |
| | 182/133 | Joanna | Burgess | Biosorption and Bioaccumulation of copper and lead by Phanaerochaete chrysosporium and Pleurotus ostreatus. | |
| | 247/196.2 | Werner | Rossle | BATCH AND AUTOMATED SVI MEASUREMENTS BASED ON SHORT-TERM TEMPERATURE VARIATIONS | |
| MR12 | 55/8 | Emomotimi | Bamuza-Pemu | Photocatalytic Degradation of Geosmin: an Evaluation of Process Efficiency | Potable Water |
| | 82/36 | Jacob Douw | Van Eeden | EVALUATION OF TECHNICAL AUDITS ON 61 WATER TREATMENT WORKS IN THE WESTERN CAPE | |
| | 185/136 | Thabo Innocent | Nkambule | Natural Organic Matter (NOM) in South African Waters: Characterization and Methodology for Assessing Treatment Options for NOM in Water | |
| | 186/137 | Soraya | Sithole | Cyclodextrin dendrimers containing nanocatalysts for the removal of natural organic matter (NOM) and other micropollutants from water | |
| | 188/138 | Omotayo Rafiu | Awofolu | How clean and safe are commercial and non-commercial bottled natural and mineral water in South Africa? | |
| MR21A | WORKSHOP | L | Boyd | Implementation of Integrated WQM model for SA | WORKSHOP |
| MR21B | 49/2 | Phumza | Tikilili | Microbial Removal of Polycyclic Aromatic Hydrocarbons from nuclear and radioactive wastewater | Industrial Water & Effluent |
| | 76/29 | Mthokozisi | Sishi | CHLORIDE REMOVAL FROM THE KRAFT CYCLE AT MONDI'S RICHARDS BAY MILL | |
| | 98/53 | Tabani | Mtombeni | Brine Treatment using Freeze Desalination | |
| | 249/198.2 | Chris | Brouckaert | AN ANAEROBIC CO-DIGESTION SCHEME FOR TREATING HIGH-STRENGTH AND TOXIC WASTES IN ETHEKWINI | |
| | 273/223 | Martha | Van Schalkwyk | Recovery of Industrial Effluent: Case history of membrane biofouling and the successful treatment with alternating non-oxidising biocide and oxidising biocide | |
| MR22A | WORKSHOP | J | Burgess | Cleaner Production Technologies in SA Mining Industry | WORKSHOP |
| MR22B | WORKSHOP | E | Karar | WWC | WORKSHOP |

**Session 2
10:35 - 12:40**

| VENUE | PAPER REFERENCE | | PRESENTER | | TITLE | THEME |
|-------|-----------------|-------|-----------------|----------------|--|-------------------------------------|
| 1A | 67 | 18 | Kevin | Wall | BUCKING THE WATER SERVICES TREND - FRANCHISING O&M IN THE EASTERN CAPE | Management & Institutional Affairs |
| | 181 | 132 | Jeffery Amos | Mtsweni | An Institutional Framework for Stakeholder Consultation in Trans-boundary River Basin Management | |
| | 78 | 31 | Oliver | Maletse | Implementation of an Integrated Water Quality Management (IWQM) Model – A South African Context | |
| 1B | 234 | 183 | Nicola | Rodda | Effect Of Solid Laundry Powder And Liquid Laundry Detergent On Plants And Soil Irrigated With Laundry Water | Community Water Supply & Sanitation |
| | 221 | 171.4 | Anthony | Von Loggenburg | MEMBRANE BIOREACTORS (MBR) FOR LANDFILL LEACHATE TREATMENT | |
| | 235 | 184 | Zanele Precious | Nhlabatsi | Synthesis and Characterization of Copper-containing Carbon nanotubes and their use in the removal of impurities in water | |
| MR11 | 272 | 222 | Wolf | Raber | Development of contextually adapted strategies to manage health risks related to agricultural irrigation with treated wastewater - a case study in Magabheni, South Africa | Wastewater |
| | 307 | 248 | Vernon | Somerset | Development of Electrochemical Sensors for Heavy Metal Analysis in Water Samples | |
| | 350 | 266 | Leonardo | Manus | RAISING WASTEWATER TREATMENT PERFORMANCE THROUGH INCENTIVE- & RISK-BASED TARGETED REGULATION | |
| | 209 | 159 | Rob | Boyd | Solar Drying and composting of sewage sludge without a bulking agent | |
| | 248 | 197.2 | George | Ekama | ANOXIC-AEROBIC DIGESTION OF WASTE ACTIVATED SLUDGE FROM BIOLOGICAL NITROGEN AND PHOSPHORUS REMOVAL SYSTEMS | |
| MR12 | 244 | 193.2 | Pavel | Polasek | SANS 241, BLUE DROP CERTIFICATION AND OTHER RELEVANT ISSUES | Potable Water |
| | 251 | 200.2 | Chris | Swartz | RISK ASSESSMENT AND RISK MANAGEMENT IN WATER SUPPLY SYSTEMS: STATE-OF-THE-ART AND CASE STUDIES IN SOUTHERN AFRICA | |
| | 258 | 208 | Hein | Du Preez | DEVELOPING PRODUCTION GUIDELINES FOR AQUATIC INVERTEBRATES IN DRINKING WATER | |
| | 276 | 226 | Monique | Grundlingh | MONITORING OF CRYPTOSPORIDIUM OOCYSTS AND GIARDIA CYSTS IN LARGE VOLUMES OF DRINKING WATER | |
| MR21A | WORKSHOP | | S | Roux | Immersed Membrane Bioreactors for Wastewater Remediation – An Overview | WORKSHOP |
| MR21B | 50 | 3 | Simphiwe | Chabalala | Reduction of Uranium(VI) to Uranium (IV) by three facultative anaerobes, a performance evaluation | Industrial Water & Effluent |
| | 54 | 7 | Evans | Chirwa | Simultaneous Cr(VI) Reduction and Phenol Degradation in a Trickle Bed Reactor System | |
| | 63 | 15 | Mahlatse | Sekhula | Recovery of Cu(II) from synthetic industrial wastewater using maize tassel | |
| | 150 | 103 | Boitumelo | Mankazana | pH conditions of wastewater systems: An important parameter for an effective comparison in the removal of heavy metals by protozoa and bacteria. | |
| | 298 | 241 | Marc | Wesseler | Advanced Water Treatment for industrial process and waste water by ozonation | |
| MR22A | WORKSHOP | | J | Burgess | Cleaner Production Technologies in SA Mining Industry | WORKSHOP |
| MR22B | WORKSHOP | | E | Karar | WWC | WORKSHOP |

**Session 3
13:40 - 15:20**

| VENUE | PAPER REFERENCE | | PRESENTER | | TITLE | THEME |
|-------|-----------------|-------|-----------|----------|--|-------------------------------------|
| 1A | 115 | 68 | Allworth | Sipamla | Identification and quantification of organophosphorus and carbamate pesticides in water. | Environmental Aspects |
| | 118 | 71 | Vusi | Ntema | Comparison of the standard culture based method with a culture dependent PCR method for the detection of Vibrio cholerae and V. parahaemolyticus in water samples in rural areas of Limpopo province | |
| | 172 | 123 | David | Odusanya | LEVELS AND CONGENER PROFILE OF PBDES IN LANDFILLS SEDIMENTS PRETORIA, SOUTH AFRICA | |
| 1B | 254 | 203.1 | Lingam | Pillay | A Gravity-fed Microfilter for Point-of-use Potable Water Production in Rural Areas | Community Water Supply & Sanitation |
| | 253 | 202.2 | Katherine | Foxon | Pit latrine additives: Laboratory and field trials | |
| | 317 | 273 | Kathy | Eales | Equity and Efficiency in Water Services: the Climate Change Dimension' | |
| | 283 | 233.1 | Nicolas | Reynaud | Classifying and monitoring DEWATS-plants in Java | |
| MR11 | 113 | 66 | Bertu | Bester | Unit cost-functions for value estimation of waterborne sewer infrastructure | Wastewater |
| | 119 | 72 | Altus | De Klerk | Description of the 'Sanitown" model as a benchmark for comparative hydraulic analyses of waterborne sewer systems | |
| | 252 | 201 | Paul | Gaydon | Clean-Sheet Budgeting for Maintenance – A Simple Accurate Approach! | |
| | 335 | 269 | Vusi | Mema | Impact of poorly maintained wastewater and sewage treatment plants: Lessons from South Africa | |
| MR12 | 310 | 258 | Karen | Jordaan | The development of a DNA and/or RNA profiling for bacterial dynamics studies of in freshwater systems | Potable Water |
| MR21A | WORKSHOP | | K | Wall | Water Services Franchising Partnerships | WORKSHOP |
| MR21B | 152 | 105 | Katlego | Setshedi | Removal of Heavy Metals from Aqueous Solution Using Hydrotalcite-like Nanostructured Materials | Industrial Water & Effluent |
| | 391 | 276 | Heidi | Snyman | South African Sludge Management Guidelines - Innovation and Impact | |
| | 394 | 286 | Garth | Gademan | Nereda® Aerobic Granular Activated Sludge | |
| MR22A | WORKSHOP | | J | Burgess | Cleaner Production Technologies in SA Mining Industry | WORKSHOP |
| MR22B | WORKSHOP | | E | Karar | WWC | WORKSHOP |

**Session 4
15:40 - 16:55**

| VENUE | PAPER REFERENCE | | PRESENTER | | TITLE | THEME |
|-------|-----------------|-------|------------|---------------|--|-------------------------------------|
| 1A | 160 | 112 | Gordon | Nameni | Cost Effective Treatment of Pathogenic Microorganisms in Groundwater Using Oligodynamic Nanoparticle Impregnated Sand | Environmental Aspects |
| | 236 | 185.2 | Folasade | Adeyemo | STORMWATER POLLUTION IN AGRICULTURAL AREAS | |
| 1B | 249 | 198.3 | Chris | Brouckaert | MODELLING OF ANAEROBIC DIGESTION FOR INCORPORATION INTO A PLANT-WIDE WASTEWATER TREATMENT MODEL | Community Water Supply & Sanitation |
| | 105 | 59 | Sarah | Skinner | Providing groundwater information for the reconciliation strategy for DWAF All Towns Northern Region Study | |
| | 137 | 90 | Nolufefe | Mdingi | Investigating the suitability of using effluent greywater from the AUBR for irrigation | |
| MR11 | 61 | 13 | Moses | Lebitso | Protein from activated sludge process as supplement in animal feed – a pilot application | Wastewater |
| | 164 | 116.5 | Adesola | Ilemobade | Perceptions towards wastewater reuse and a proposed model for institutional and commercial settlements in South Africa | |
| | 228 | 178 | Tichatonga | Gonah | TOWARDS SUSTAINABLE REUSE OF MARGINAL QUALITY WATER IN SYRIA. SOME CHALLENGES AND POTENTIAL OPPORTUNITIES. | |
| MR12 | 191 | 141 | Philip | De Souza | ELECTRONIC WATER QUALITY MANAGEMENT SYSTEM (eWQMS) NEW DEVELOPMENTS: USE OF A SYSTEMS ENGINEERING PROCESS TO AID IMPROVED DATA QUALITY ASSURANCE/QUALITY CONTROL | Information Technology |
| | 227 | 177 | Brendon | Wolff-Piggott | Supporting Water Management and Engineering with Open Source Geoinformation Technology | |
| MR21A | WORKSHOP | | | | TBC | WORKSHOP |
| MR21B | 215 | 165 | Luis | Carvalho | How To Avoid Costly Water Treatment Mistakes in Industry | Industrial Water & Effluent |
| | 249 | 198.1 | Chris | Brouckaert | A PROTOCOL FOR THE QUANTITATIVE ASSESSMENT OF INDUSTRIAL EFFLUENTS FOR DISCHARGE PERMITTING | |
| | 275 | 225.2 | Stephan | Roux | Pollution control – Cost impacts of a strategy for pollution control at source vs point of use treatment strategies (A Case Study) | |
| MR22A | WORKSHOP | | J | Burgess | Cleaner Production Technologies in SA Mining Industry | WORKSHOP |
| MR22B | WORKSHOP | | E | Karar | WWC | WORKSHOP |

Wednesday 21 April 2010

Session 1

08:00 - 10:05

| VENUE | PAPER REFERENCE | | PRESENTER | | TITLE | THEME |
|-------|-----------------|-------|------------------|------------|---|-------------------------------------|
| 1A | 179 | 130 | Anthony | Waterkeyn | The Community Health Club methodology achieves poverty reduction and preventative health outcomes through low-cost, high impact hygiene behaviour change: Two Case Studies (2008/09) from high density informal settlements in eThekweni and rural communities in Umzimkhlu, KZN. | Community Water Supply & Sanitation |
| | 193 | 143 | Ronnie | McKenzie | SCOPE FOR PRESSURE MANAGEMENT IN SOUTH AFRICA | |
| | 205 | 155 | Zakhele | Kunene | The provision of sanitation services in informal settlements in the City of Johannesburg | |
| | 222 | 172 | Lusanda | Jiya | Is Community Mobilisation a Licence to Trade? Lessons from Operation Gcin' Amanzi | |
| | 231 | 180 | Siphumelele | Mdletshe | CHALLENGES EXPERIENCED AND LESSONS LEARNT - OPERATION & MANAGEMENT OF ILEMBE RURAL WATER SUPPLY SCHEMES | |
| 1B | 164 | 116.4 | Adesola | Ilemobade | NEW GUIDELINES FOR NON-DOMESTIC WATER ESTIMATION IN SOUTH AFRICA | Community Water Supply & Sanitation |
| | 164 | 116.1 | Adesola | Ilemobade | A model to predict toilet flushing demands within non-residential buildings: case study of a university academic building | |
| | 190 | 140 | David | Raymer | Are we facing a water/sanitation crisis in South Africa - Why? | |
| | 243 | 192.1 | Nicola | Rodda | Guidelines for sustainable use of greywater in small-scale agriculture and gardens in South Africa | |
| | 271 | 221 | Richard | Holden | Urban Sanitation Technologies: Is there a Realistic Alternative to Waterborne Sewage? | |
| MR11 | 51 | 4 | Nonhlanhla | Ngwenya | Studies on bacterial activity, population dynamics and diversity during bioremediation of aqueous systems contaminated with fission products | Wastewater |
| | 70 | 23 | Japie | Schoeman | Evaluation of a South African clinoptilolite for the removal of ammonia-nitrogen from secondary effluent | |
| | 146 | 99 | Mpho | Ramphao | THE IMPACT OF ANAEROBIC PRE-TREATMENT AND MLE PROCESS ON THE DESIGN OF BIOLOGICAL NUTRIENT REMOVAL AT DARLING WWTW | |
| | 149 | 102 | Zinhle | Marrengane | The impact of wastewater composition, operating parameters and plant configurations on filamentous bacterial populations at Darvill Wastewater Works. | |
| | 163 | 115 | Maggy Ndombo Ben | Momba | Removal profile of Cryptosporidium and Giardia from inadequately treated wastewater – A case study in Tshwane, Northern Gauteng Province | |
| MR12 | 84 | 38 | Natasha | Potgieter | Improving health-related microbial quality of drinking water at the point of use with ceramic Potters for Peace filters: effects on rural people living with HIV/AIDS | Health Related Aspects |
| | 91 | 45 | Faye | Balfour | Water Quality Testing Information Toolkit for laboratories and Water Services Authorities | |
| | 97 | 52 | Paul | Jagals | The effect of new small community water supply services on health | |
| | 157 | 109.2 | Jo-Anne | Geere | Domestic water carrying and its implications for health in Limpopo Province, South Africa | |
| | 266 | 216 | Annatjie | Moolman | Quality of Domestic Water Supplies Guidelines: 10 years of relevance to the sector. | |
| MR21A | WORKSHOP | | P | Venter | TBC | WORKSHOP |
| MR21B | 106 | 60 | Sarah | Skinner | APPLYING COMPARATIVE RISK ANALYSES FOR DETERMINING BEST OPTIONS FOR REHABILITATION | Mine Water |
| | 176 | 127 | Rainier | Dennis | Fuzzy Logic Risk Model: A Tool to Assess the Impacts of Mining on Groundwater Systems | |
| | 196 | 146 | Achim | Wurster | MT MORGAN & #8211; A MINE WATER TREATMENT CASE STUDY | |
| | 99 | 54 | Hangwi | Bologo | Treatment of acid mine drainage using magnesium hydroxide | |
| MR22A | WORKSHOP | | P | Reddy | Small Wastewater Treatment Works | WORKSHOP |
| MR22B | WORKSHOP | | E | Karar | TBC | WORKSHOP |

**Session 2
10:35 - 12:40**

| VENUE | PAPER REFERENCE | | PRESENTER | | TITLE | THEME |
|-------|-----------------|-------|--------------------|--------------|--|-------------------------------------|
| 1A | 294 | 237 | David | Still | Management of Faecal Waste from On-Site Sanitation in South Africa: How are we doing? | Community Water Supply & Sanitation |
| | 334 | 272 | RICARD | Giné | The enhanced Water Poverty Index: Targeting the water poor at different scales | |
| 1B | 69 | 21.1 | Mark | Shepherd | REDUCING NON-REVENUE WATER IN THE DURBAN CENTRAL BUSINESS DISTRICT | Community Water Supply & Sanitation |
| | 80 | 33.1 | Matodzi Michael | Mokoena | The effect of water-service delivery on the risk of infection posed by water in household containers | |
| | 114 | 67 | Olufisayo Akinlolu | Olufayo | Assessment of sand reservoir water storage using rainfall analysis at specific rainfall thresholds | |
| | 206 | 156 | Bharat | Gulab | Water supply district pipeline and valve conditional assessment and improvement | |
| | 281 | 231 | Shawn | Moorgas | Enhancement of Existing electronic Water Quality Management System (eWQMS) for Sustainable Water Services Programme in KZN | |
| MR11 | 145 | 98.2 | Vincent | Ojijo | A comparative study of the performance of South African coal fly ash and carbonaceous adsorbents in the removal of melanoidin from wastewater. | Wastewater |
| | 202 | 152 | Zaheer | Ortell | Introducing Membrane Technology for Municipal Wastewater Treatment at the Zandvliet Wastewater Plant, Cape Town, South Africa | |
| | 263 | 213 | George | Ekama | The impact of urine diversion on biological nutrient removal activated sludge systems. | |
| | 332 | 284 | Niall | O' Luanaigh | An Investigation into the Performance of Highly Permeable Subsoils in Treating Domestic Wastewater in Ireland | |
| | 336 | 268 | A.G. | Pienaar | Development and assessment of a ceramic membrane bioreactor for wastewater purification purposes | |
| MR12 | 86 | 40 | Ivy | Thomas | Microbiological quality of irrigation water and minimal processed food products produced by rural subsistence farmers in the Limpopo Province of South Africa | Health Related Aspects |
| | 110 | 6.3 | Nicola | Rodda | Microbial quality of drinking water from groundtanks, standpipes and community tankers at source and point of use in eThekweni Municipality, and its relationship to health outcomes | |
| | 138 | 91 | Colette | Khabo-Mmekoa | THE PREVALENCE OF ENTERIC PATHOGENS IN DRINKING WATER AND ITS IMPACT ON THE HEALTH OF HIV/AIDS INDIVIDUALS IN KWA-ZULU NATAL PROVINCE, SOUTH AFRICA | |
| | 155 | 107.2 | David | Hawksworth | The effects of temperature and relative humidity on the viability of Ascaris eggs in urine diversion waste | |
| | 175 | 126 | Carin | Bosman | THE HIDDEN DRAGON: NITRATE POLLUTION FROM OPEN-PIT MINES – A CASE STUDY FROM THE LIMPOPO PROVINCE, SOUTH AFRICA | |
| MR21A | WORKSHOP | | D | Trollip | Standards for water treatment chem. | WORKSHOP |
| MR21B | 158 | 110 | Hannes | Joubert | removal of sulfide from effluents with ferric hydroxide | Mine Water |
| | 200 | 150 | Priyal | Dama-Fakir | The effect of salinity in brines produced from the treatment of mine water on evaporation rates | |
| MR22A | WORKSHOP | | P | Reddy | Small Wastewater Treatment Works | WORKSHOP |
| MR22B | WORKSHOP | | E | Karar | TBC | WORKSHOP |

Session 3
13:40 - 15:20

| VENUE | PAPER REFERENCE | | PRESENTER | | TITLE | THEME |
|-------|-----------------|-------|---------------|----------------|---|-------------------------------------|
| 1A | 117 | 70 | Tiaan | Wright | Methodology for identifying and assessing groundwater use in serviced residential areas of the Cape peninsula | Ground Water |
| | 167 | 118 | Pannie | Engelbrecht | Artificially recharging the Langebaan Road Aquifer, South Africa | |
| | 277 | 227 | Helen | Seyler | Groundwater modelling an essential tool for aquifer management and yield limit determination - case study from Gateway wellfield Hermanus | |
| | 295 | 238 | Elizabeth | Theron | Evaluation of the Aardvark constant head soil permeameter to predict saturated hydraulic conductivity | |
| 1B | 68 | 19.2 | Nozibele | Mjoli | Turning sanitation policy into practice | Community Water Supply & Sanitation |
| | 72 | 25 | Neil | Armitage | An evaluation of the effectiveness of a Sustainability Index in assessing water managment in the cities of East London and Port Elizabeth | |
| | 124 | 77 | Godfrey | Mwiinga | Water Conservation and Water Demand Management in Practice | |
| MR11 | 226 | 176 | Juan | Van Kerckhoven | Pre-engineered sewage treatment plants : are they a long term solution? | Wastewater |
| | 233 | 182 | Joseph Kapuku | Bwapwa | Performance analysis of an anaerobic baffled reactor treating complex particulate wastewater in ABR membrane-bioreactor unit | |
| | 241 | 190 | Linda | Gaulke | Mechanisms of estrogen biodegradation in wastewater treatment | |
| | 253 | 202.1 | Katherine | Foxon | Anaerobic digestion of domestic wastewater: The role of microbial selection pressure in the rate and extent of digestion | |
| MR12 | WORKSHOP | | Petrus | Venter | TBC | WORKSHOP |
| MR21A | WORKSHOP | | S | Freese | Design Manual for Small WTW | WORKSHOP |
| MR22A | WORKSHOP | | P | Reddy | Small Wastewater Treatment Works | WORKSHOP |
| MR22B | WORKSHOP | | E | Karar | TBC | WORKSHOP |

Session 4
15:40 - 16:55

| VENUE | PAPER REFERENCE | | PRESENTER | | TITLE | THEME |
|-------|-----------------|------|-----------|---------|---|-------------------------------------|
| 1B | 141 | 94.1 | Deborah | Cousins | A Guideline for the Integration of Community based Procurement for O&M of Basic Water and Sanitation Services | Community Water Supply & Sanitation |
| | 134 | 87 | Claudius | Zindoga | Reducing vandalism and increasing the sustainability of community services | |
| MR12 | WORKSHOP | | Petrus | Venter | TBC | WORKSHOP |
| MR22A | WORKSHOP | | P | Reddy | Small Wastewater Treatment Works | WORKSHOP |
| MR22B | WORKSHOP | | E | Karar | TBC | WORKSHOP |