

Systems  
modelling,  
optimisation and  
decision support

- CCWI2017: F45 'Dynamic Scenario Selection in Optimal Design Problems and Evolutionary Optimization with Uncertain System Knowledge' 10.15131/shef.data.5364262
- CCWI2017: F92 'Spectral Propagation of Parameter Uncertainties in Water Distribution Networks' 10.15131/shef.data.5364250
- CCWI2017: F125 'The EPANET challenge' 10.15131/shef.data.5364241
- CCWI2017: F41 'Why are Line Search Methods Needed for Hydraulic DDM and PDM Solvers?' 10.15131/shef.data.5364229
- CCWI2017: F102 'A rehabilitation decision-making approach for WDNs based on extended period simulations' 10.15131/shef.data.5364223
- CCWI2017: F119 'WDNs Calibration Using k-means Algorithm for Pipes Clustering and a Hybrid Model for Optimization' 10.15131/shef.data.5364217
- CCWI2017: F18 'A Dynamic Model for Smart Water Distribution Networks' 10.15131/shef.data.5364211
- CCWI2017: F37 'On the Solvability of the Pressure Driven Hydraulic Steady-State Equations Considering Feedback-Control Devices' 10.15131/shef.data.5364205
- CCWI2017: F67 'Hydraulic reliability analysis of a real network with remotely real-time controlled pressure control valves' 10.15131/shef.data.5364199
- CCWI2017: F141 'Optimising valve placement and pressure control for multi-feed sectors in water supply networks using outer approximation' 10.15131/shef.data.5364196
- CCWI2017: F83 'Operational interventions in WDS to improve water quality: a comparison of multi-objective optimization formulations' 10.15131/shef.data.5364190
- CCWI2017: F118 'Pumping Cost Optimization in Looped Water Networks with Storage Capacity through the Searching of the Setpoint Curve' 10.15131/shef.data.5364181
- CCWI2017: F120 'Costs Functions Proficiency over the Urban Drainage Networks Optimal Design' 10.15131/shef.data.5364157
- CCWI2017: F122 'Comparison between Optimal and Real Design in Water Distribution Systems (WDS). Effect of Population Growth during the Project Lifespan.' 10.15131/shef.data.5364154
- CCWi2017: F35 'Fractality In Water Distribution Networks' 10.15131/shef.data.5364151
- CCWI2017: F36 'Segments Identification in Water Distribution Systems by Using Network Topological Matrices' 10.15131/shef.data.5364145
- CCWI2017: F108 'Comparison of Different Controllers for Equitable Water Supply in Water Networks' 10.15131/shef.data.5364136
- CCWI2017: F10 'Online Demand Estimation of Geographical and Non-Geographical Distributed Demand Pattern in Water Distribution Networks' 10.15131/shef.data.5364133

- CCWI2017: F19 'Multi-object approach for WSN Partitioning in the framework of Pressure Driven Analysis' 10.15131/shef.data.5364121
- CCWI2017: F97 'Adaptation of Physarum polycephalum evolution for least-cost design of water distribution network' 10.15131/shef.data.5364109
- CCWI2017: F123 'Case Study: Improvements to a Real-Time Network Modelling Framework' 10.15131/shef.data.5364100