

Water quality and fault assessment in pipe systems

Contents

- 493 Editorial
B. Brunone, M. Ferrante, S. Meniconi and L. Berardi
- 496 Early warning system to forecast maximum temperature in drinking water distribution systems
C. M. Agudelo-Vera, E. J. M. Blokker and E. J. Pieterse-Quirijns
- 504 Computational fluid dynamics modeling of contaminant mixing at junctions for an online security management toolkit in water distribution networks
Mathias Braun, Thomas Bernard, Hervé Ung, Olivier Piller and Denis Gilbert
- 516 Assessing measurement uncertainty on trihalomethanes prediction through kinetic models in water supply systems
Cristiana Di Cristo, Angelo Leopardi and Giovanni de Marinis
- 529 Predictive water quality modelling and resilience flow conditioning to manage discoloration risk in operational trunk mains
Stewart Husband and Joby Boxall
- 543 A general framework of chlorine decay modeling at a pilot-scale water distribution system
Hyunjun Kim, Jayong Koo and Sanghyun Kim
- 558 Comparison of two multivariate classification models for contamination event detection in water quality time series
Nurit Olikar and Avi Ostfeld
- 567 Cost-effective sensors placement and leak localization – the Neptun pilot of the ICeWater project
Antonio Candelieri, Davide Soldi and Francesco Archetti
- 583 A stochastic approach for extended partial blockage detection in viscoelastic pipelines: numerical and laboratory experiments
C. Massari, T.-C. J. Yeh, M. Ferrante, B. Brunone and S. Meniconi
- 596 Water distribution model for decision-making with updatable data links
Raido Puust, Margus Koor and Anatoli Vassiljev



- 610 The role of balancing tanks in optimal design of water distribution networks
Nemanja Trifunović, Mohanad Abunada, Mukand Babel and Maria Kennedy
- 629 Five variants of a procedure for spatial aggregation of synthetic water demand time series
Stefano Alvisi, Nicola Ansaloni and Marco Franchini