

Computer model for energy-optimised control of pumping station

Joller, Jüri CAX Techniques : proceedings of the 4th International Scientific Colloquium : Bielefeld, Germany, September 13-15, 1999 1999 / p. 467-473 : ill

Efficiency control for adjustment of number of working pumps in multi-pump system

Bakman, Ilja; Gevorkov, Levon; Vodovozov, Valery 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 396-402 : ill
<http://dx.doi.org/10.1109/CPE.2015.7231108>

Energy management in a centrifugal pumping plant

Vodovozov, Valery; Raud, Zoja 17th IEEE International Conference on Smart Technologies : IEEE EUROCON 2017 : 6-8 July 2017, Ohrid, Macedonia : conference proceedings 2017 / p. 347-352 : ill <https://doi.org/10.1109/EUROCON.2017.8011133>

Energy-efficient predictive control of centrifugal multi-pump stations

Vodovozov, Valery; Lehtla, Tõnu; Bakman, Ilja; Raud, Zoja; Gevorkov, Levon PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 233-238 : ill <https://doi.org/10.1109/PQ.2016.7724119>

Feasibility study of 8 megawatt frequency controlled pumping station of heating power plant

Joller, Jüri Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists : Tallinn, Estonia, May 31 - June 5, 1999 1999 / p. 59-62: ill

High-efficiency predictive control of centrifugal multi-pump stations with variable-speed drives = Pumbajaamade muudetava kiirusega tsentrifugaalpumpajamite kõrgefektiivne ennetav juhtimine

Bakman, Ilja 2016 <https://digi.lib.ttu.ee/i/?5352> https://www.ester.ee/record=b4577031*est

Multi-motor pressure management system with minimal energy consumption

Vodovozov, Valery; Gevorkov, Levon; Raud, Zoja 2016 IEEE 14th International Conference on Industrial Informatics (INDIN) : Palais des Congrès du Futuroscope, Futuroscope - Poitiers, France, 19-21 July, 2016 : proceedings 2016 / p. 243-247 : ill
<https://doi.org/10.1109/INDIN.2016.7819166>

Not just the pump; broader considerations for downstream migrating silver eels at a 'fishfriendly' pumping station

Evans, Oliver; Bolland, Jonathan; Carter, Liam; Hutchinson, Thomas; Collier, Stephen; Don, Andrew; Wright, Rosalind; **Tuhtan, Jeffrey Andrew; Toming, Gert** Fish Passage 2022 : Opportunities and Innovation in a Changing World : 13-16 June 2022 2022 / p. 34 https://fishpassage.fisheries.org/wp-content/uploads/sites/57/2022/08/FPC_Program_YouTube-Links.pdf

Optimization of method of adjustment of productivity of multi-pump system containing directly connected motors

Bakman, Ilja; Gevorkov, Levon; Vodovozov, Valery PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 209-214 : ill

Pressure control with minimal power consumption of a pumping station

Vodovozov, Valery; Raud, Zoja Recent Advances in Environmental and Earth Sciences and Economics : [proceedings of the EEDE 2015, GESE 2015, MANASE 2015, WHH 2015 : Zakynthos Island, Greece, July 16-20, 2015] 2015 / p. 242-245 : ill

Rethinking fish-friendliness of pumps by shifting focus to both safe and timely fish passage for effective conservation

Evans, Oliver J.; Norman, Josh; Carter, Liam J.; Hutchinson, T.; Don, A.; Wright, Rosalind M.; **Tuhtan, Jeffrey Andrew; Toming, Gert**; Bolland, Jonathan D. Scientific reports 2024 / art. 17888, 12 p. : ill <https://doi.org/10.1038/s41598-024-67870-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simple visual tool to analyse pump battery efficiencies for various pump combinations

Sunela, Markus; Puust, Raido Procedia engineering 2014 / p. 525-532 : ill <https://doi.org/10.1016/j.proeng.2014.11.474> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Simulation and experimental study on energy management of circulating centrifugal pumping plants with variable speed drives = Muudetava kiirusega ajamitega tsentrifugaalpumpadega varustatud tsirkulatsioonpumbajaamade energiahaldussüsteemide simuleerimine ja eksperimentaalne uurimine

Gevorkov, Levon 2017 <https://digi.lib.ttu.ee/i/?7669> https://www.ester.ee/record=b4674192*est

Simulation study of mixed pressure and flow control systems for optimal operation of centrifugal pumping plants

Gevorkov, Levon; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 89-94 : ill <https://doi.org/10.2478/ecce-2018-0010>

Väliskanaliseerimisvõrk [Võrguteavik] = Sewer system inside buildings

2021 https://www.ester.ee/record=b5449238*est

Äravoolu- ja kanalisatsioonitorustike ehitamine ja katsetamine [Vörguteavik] : pumpamissüsteemid. Osa 1, Üldnõuded = Drain and sewer systems outside buildings : pumping systems. Part 1, General requirements

2018 https://www.eester.ee/record=b5143449*est

Äravoolu- ja kanalisatsioonitorustike ehitamine ja katsetamine [Vörguteavik] : pumpamissüsteemid. Osa 2, Ülerõhusüsteemid = Drain and sewer systems outside buildings : pumping systems. Part 2, Positive pressure systems

2018 https://www.eester.ee/record=b5143450*est

Создание калиброванных моделей водопроводных сетей и оптимизация работы насосных станций в условиях резкого снижения водопотребления

Koppel, Tiit; Karu, Jaan Третий международный конгресс "Вода: экология и технология" : "ЭКВАТЭК-98", Москва, 25-30 мая 1998 г. : тезисы докладов 1998 / с. 263-264