[5] Ziemele J, Kalnins R, Vigants G, Vigants E, Veidenbergs I. (2018). Evaluation of the industrial waste heat potential for its recovery and integration into a fourth generation district heating system. Energy Procedia 147: 315-321. https://doi.org/10.1016/j.egypro.2018.07.098

[6] Mancarella P. (2014). MES (multi-energy systems): An overview of concepts and evaluation models. Energy 65: 1-17. https://doi.org/10.1016/j.energy.2013.10.041

[7] Hennessy J, Li H, Wallin F, Thorin E. (2018). Towards smart thermal grids: Techno-economic feasibility of commercial heat-to-power technologies for district heating. Applied Energy 228: 766-776. https://doi.org/10.1016/j.apenergy.2018.06.105

[8] Benonysson A, Bøhm B, Ravn HF. (1995). Operational optimization in a district heating system. Energy Conversion and Management 36(5): 297-314. https://doi.org/10.1016/0196-8904(95)98895-T

[9] Brundu FG, Patti E, Osello A, Del Giudice M, Rapetti N, Krylovskiy A, Acquaviva A. (2017). IoT software infrastructure for energy management and simulation in smart cities. IEEE Transactions on Industrial Informatics 13(2): 832-840. https://doi.org/10.1109/TII.2016.2627479

[10] Guelpa E, Barbero G, Sciacovelli A, Verda V. (2017). Peak-shaving in district heating systems through optimal management of the thermal request of buildings. Energy 137: 706-714. https://doi.org/10.1016/j.energy.2017.06.107

[11] Verda V, Guelpa E, Sciacovelli A, Acquaviva A, Patti E. (2016). Thermal peak load shaving through users request variations. International Journal of Thermodynamics 19(3): 168-176.

[12] Wang H, Yin W, Abdollahi E, Lahdelma R, Jiao W. (2015). Modelling and optimization of CHP based district heating system with renewable energy production and energy storage. Applied Energy 159: 401-421. https://doi.org/10.1016/j.apenergy.2015.09.020

[13] da Cunha JP, Eames P. (2016). Thermal energy storage for low and medium temperature applications using phase change materials-a review. Applied Energy 177: 227-238. https://doi.org/10.1016/j.apenergy.2016.05.097

[14] Keçebaş A, Yabanova İ. (2012). Thermal monitoring and optimization of geothermal district heating systems using artificial neural network: A case study. Energy and Buildings 50: 339-346. https://doi.org/10.1016/j.enbuild.2012.04.002

[15] Guelpa E, Toro C, Sciacovelli A, Melli R, Sciubba E, Verda V. (2016). Optimal operation of large district heating networks through fast fluid-dynamic simulation. Energy 102: 586-595. https://doi.org/10.1016/j.energy.2016.02.058

[16] Harary F. (1995). GraphTheory.Narosa Publishing House, New Delhi.

[17] Patankar S. (1980). Numerical Heat Transfer and Fluid Flow. CRC Press.

[18] Guelpa E, Toro C, Sciacovelli A, Melli R, Sciubba E, Verda V. (2016). Optimal operation of large district heating networks through fast fluid-dynamic simulation. Energy 102: 586-595. https://doi.org/10.1016/j.energy.2016.02.058