**Introduction**

The IoT is one of the most popular branches of modern technology whose main characteristic is the real-time communication of devices via the Internet. The IoT can be considered as the interconnection of intelligent objects or devices, via the Internet, which gives rise to new applications and innovative services [1]. The applications are very diverse, some examples would be:

1. Industry: the connecting of sensors and actuators in an industrial process and monitoring them with the mobile device [2] [3].
2. Everyday life: a smart heating system (system for setting the temperature in the house from a distance) [4].
3. Medicine: a system that uses a sensor to detect the presence of oxygen in the room and after detection closes the intubation/ventilation systems of the patients [5].
4. Constructions: an intelligent system for monitoring water losses within a building [6].

**References**

[1] A. Belfiore, C. Cuccurullo, M. Aria, “IoT in healthcare: A scientometric analysis”, <https://doi.org/10.1016/j.techfore.2022.122001>

[2] Dotoli, M.; Rocca, R.; Giuliano, M.; Nicol, G.; Parussa, F.; Baricco, M.; Ferrari, A.M.; Nervi, C.; Sgroi, M.F. A Review of Mechanical and Chemical Sensors for Automotive Li-Ion Battery Systems. Sensors 2022, 22, 1763. https:// doi.org/10.3390/s22051763

[3] Md. Abdur Rahim et al., Evolution of IoT-enabled connectivity and applications in automotive industry: A review

[4] Daniela I. Borissova, Victor K. Danev, Milan B. Rashevski, Ivan G. Garvanov, Radoslav D. Yoshinov, Magdalena Z. Garvanova, Using IoT for Automated Heating of a Smart Home by Means of OpenHAB Software Platform, IFAC-PapersOnLine, Volume 55, Issue 11, 2022, Pages 90-95, ISSN 2405-8963, <https://doi.org/10.1016/j.ifacol.2022.08.054>.

[5] Liang C, Ogilvie RP, Doherty M, Clifford CR, Chomistek AK, Gately R, et al. (2022) Trends in COVID-19 patient characteristics in a large electronic health record database in the United States: A cohort study. PLoS ONE 17(7): e0271501. https://doi.org/10.1371/journal. pone.0271501

[6] SR Mounce, JB Boxall, J Machell, “[Development and verification of an online artificial intelligence system for detection of bursts and other abnormal flows](https://scholar.google.com/citations?view_op=view_citation&hl=ro&user=21YJz7QAAAAJ&citation_for_view=21YJz7QAAAAJ:lSLTfruPkqcC)”, Journal of Water Resources Planning and Management 136 (3), 309-318