**ABSTRACTS**

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## Wlkata educational robots used in simulation in the laboratory conditions
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*Abstract:* Wlkata Mirobot is a portable robotic arm that is suitable for robotics-oriented projects. Practical education in the field of robotics in laboratory conditions is of great importance from the point of view of acquiring competence in the field of soft robotics, digitalization, simulation, etc. The cost and size of the equipment limits the use of real industrial robots in laboratory conditions. The connection of specific elements that Wlkata offers and when combined with artificial intelligence, it is possible to fully use the potential of this technological solution when testing digital twins in laboratory conditions.