

Зміст

1	Valerii Bielik, Yurii Morozov, Mykola Morozov	Sensors Using in Cyber-Physical System Based on Android Operating System	83
2	Dmytro Borovets, Tetyana Pavych, Yaroslav Paramud	Computer System for Converting Gestures to Text and Audio Messages	90
3	Maksym Butov, Tetyana Pavych, Yaroslav Paramud	Implementation of Smart Technologies in the Mine	98
4	Yevhen Fastiuk, Ruslan Bachynskyy, Nataliia Huzynets	Methods of Vehicle Recognition and Detecting Traffic Rules Violations on Motion Picture Based on OpenCV Framework	105
5	Bohdan Havano, Mykola Morozov	Assessing the Human Condition in Medical Cyber-Physical System Based on Microservices Architecture	112
6	Yurii Kohut, Iryna Yurchak	Recommendation System for Purchasing Goods Based on the Decision Tree Algorithm	121
7	Ihor Koval	Analysis of Algorithms for Searching Objects in Images Using Convolutional Neural Network	128
8	Vladyslav Lakhai, Ruslan Bachynskyy	Investigation of Serverless Architecture	134
9	Mykola Maksymiv, Taras Rak	Methods to Increase the Contrast of the Image with Preserving the Visual Quality	140
10	Dmytro Progonov	Detection of Stego Images with Adaptively Embedded Data by Component Analysis Methods	146
11	Mykola Voloshyn, Yevhenii Vavruk	Software Implementation of the Algorithm for Recognizing Protective Elements on The Face	155
12	Eduard Yakubchykt, Iryna Yurchak	Image Searching System	161