

CONTENTS

- 1 Sinkevych Oleh, Boyko Yaroslav, Sokolovskyy Bohdan, Pavlyk Mykhailo, Yarosh Oleh, Futey Oleksandr**
Uncrewed vehicle pathfinding approach based on artificial bee colony method
- 9 Maltsev Eduard, Muliarevych Oleksandr**
Beyond json: evaluating serialization formats for space-efficient communication
- 16 Chaplia Oleh, Klym Halyna, Popov Anatoli I.**
An approach to improving availability of microservices for cyber-physical systems
- 24 Davletova Alina, Yatskiv Vasyl, Ivasiev Stepan, Karpinskiy Mykola**
Encryption method based on codes
- 32 Kogut Ihor, Hryha Volodymyr, Dzundza Bogdan, Holota Victor, Benko Taras, Tkachuk Taras, Hatala Iryna**
Cyber-physical system for monitoring and analyzing human biomedical data
- 39 Demidov Oleksandr, Honsor Oksana**
Configuring the structure of the serverless system for efficient data collection
- 46 Obshta Anatoliy, Khoma Volodymyr, Prokopchuk Andrii**
Digital division algorithms for efficient execution on integrated circuits
- 54 Stepanov Oleksandr, Klym Halyna**
Features of the implementation of micro-interfaces in information systems
- 61 Vanchak Vitalii, Melnychuk Stepan**
Influence assessment of distance to the source of pulse signals with harmonic components on the temporal distortion of their forms
- 68 Danyliuk Andrii, Muliarevych Oleksandr**
Features of the application of traffic flow management methods and tools
- 75 Vozna Nataliia**
The theory of structuring multifunctional elements of complex systems
- 82 Berezhnyi Ihor, Nakonechnyi Adrian**
Analysis of methods and algorithms for remote photoplethysmography signal diagnostic and filtering