

CONTENTS

Infocommunication systems and technologies

- 1 **Barannik V. , Shulgin S., Barannik D., Onyshchenko R.**
Dynamic encoding of the transformer video images with refinement of the base system
- 12 **Fedorchenko V. , Krasko O., Demydov I., Kolodiy R.**
Research of the CI/CD approach adaptation possibilities to the development of machine learning models
- 20 **Beshley H. , Shkoropad Y., Beshley M., Klymash M.**
Convergence of heterogeneous wireless networks for future communications: architecture, QoS and resource management
- 33 **Toliupa S., Buchyk S., Kulinich O., Buchyk O.**
Protection of state management of critical infrastructure facilities under the influence of cyber attacks
- 42 **Barannik V., Krasnorutsky A., Kolesnyk V.**
The concept of reducing information intensity transformer of information segments of the image
- 50 **Yunak O.**
Protection of documents with the help of fractal images formed by a randomized system of iterating functions
- 58 **Zhuravel S., Shpur O., Pyrih Yu.**
Method of achieving consensus in distributed service systems

Radioelectronics

- 67 **Volovyk A.**
Adaptive estimation of aircraft movement parameters in the mode of the set landing path trajectory
- 79 **Oborzhytskyy V., Storozh V., Matiieshyn Y., Protasevych V.**
Increasing the sensitivity of the doppler microwave motion sensor
- 88 **Minziuk V.**
Method of forming the scan of a television scanning optical microscope
- 96 **Bondariev A., Maksymiv I., Altunin S.**
Simulation of radio response measurements of mortar shell
- 102 **Volochiy B., Chernyshuk P., Salnyk Yu., Onishchenko V.**
Discrete-continuous stochastic model of operational reliable behavior of the security alarm system

Electronics and engineering

- 112 **Melnyk I., Tuhai S., Skrypka M., Surzhykov M., Shved I.**
Analytical relations for calculation the current of arg discharge in the metals' vapors at the physical conditions of technological process of electron-beam deposition of ceramic coatings
- 133 **Volskyi R., Bulavinets T., Yaremchuk I.**
Size effect in plasmon resonance of gold-copper sulfide core-shell nanoparticles