CONTENTS

1 Ruslan Bachynskyy, Oleksii Chaku, Nataliia Huzynets

A Software Service for the Garbage Type recognition Based on the Mobile Computing Devices With Graphical Data Input

8 Sergii Hilgurt

Parallel combining of different approaches to multipattern matching for FPGA-based security systems

16 Dmytro Kushnir and Yaroslav Paramud

The algorithm of cyber-physical system targeting on a movable object using the smart sensor unit

- 23 Yuriy Shabatura, Maryna Mikhalieva, Sergij Korolko, Liubomyra Odosii, Oleksiy Kuznyetsov, Vasyl Smychok Autonomous Cyberphysical Adaptive System Of Controlled Treatment And Water Composition Control
- 30 Ivan Tritchkov Systematic Mapping study on verification and validation of industrial third-party ioT Applications
- 45 Myron Voytko, Yaroslav Kulynych and Dozyslav Kuryliak
 SH-wave scattering from the interface defect