

CONTENTS

- 1 Taras Boretskyy**
The Methods of Protection and Hacking
of Modern Wi-Fi Networks
- 7 Valeriy Hlukhov**
Implementing Quantum Fourier
Transform in a Digital Quantum Coprocessor
- 15 Michal Horodelski and Piotr Filipkowski**
A Representative Fragment Method of Analyzing
Complex Systems of Smart Contracts
- 25 Ivan Korol, Ihor Korol**
Logical Algorithms of the Accelerated
Multiplication with Minimum Quantity of Nonzero Digits
of the Converted Multipliers
- 31 Anatolii Kosolap**
Finding the Global Minimum
of the General Quadratic Problems During
Deterministic Global Optimization in Cyber-Physical Systems
- 36 Anatolii Melnyk, Aleksey Botchkaryov**
Master of Computer Engineering Program
with a Specialization in Cyber-Physical Systems
- 42 Viktor Melnyk**
Implementation Options of Key Retrieval Procedures for the
IEEE 802.15.4 Wireless Personal Area Networks Security Subsystem
- 55 Iryna Pasternak**
Research and Design of the Multifunctional
Cyber-Physical System of Testing Computer Performance in WAN