

CONTENTS

9 Zegzhda D. P.

OPENING REMARKS

10 Busygin A. G., Kalinin M. O.

A CONCEPT OF THE PROTECTED DISTRIBUTED LEDGER TECHNOLOGY FOR SMART CITY DIGITAL ENVIRONMENT

17 *Gololobov N. V.*

FORMAL STATEMENT OF THE PROBLEM OF MORPHIZING EXECUTIVE CODE DURING THE WORK OF SOFTWARE

24 Goretsky I. A., Lavrova D. S.

INTELLIGENT RECOMMENDER SYSTEM FOR COUNTERACTING NETWORK ATTACKS

31 Gribkov N. A.

METHOD FOR BINARY CODE SEARCHING BASED ON SYNTACTIC AND SEMANTIC FEATURES OF THE QUERY SAMPLE

46 Zavadskii E. V., Bulat A. V.

METHOD FOR SEARCHING FOR CLONES OF PROGRAM CODE IN BINARY EXECUTABLE FILES

56 Kostin S. O., Aleksandrova E. B.

ABOUT MASKING METHOD IN AGGREGATE SIGNATURE PROTOCOL BASED ON ISOGENIES OF ELLIPTIC CURVE

65 Kubrin G. S., Zegzhda D. P.

VULNERABILITY DETECTION
IN MULTICOMPONENT SOFTWARE USING A SET OF GENERALIZED CODE
GRAPH REPRESENTATIONS

76 Pavlenko E. Yu.

INTELLIGENT SYNTHESIS OF CYBER-RESILIENT NETWORK STRUCTURES: METHODS, EXPERIMENTS AND ARCHITECTURAL IMPLEMENTATION

92 Pavlenko E. Yu.

CRITERIA FOR SYNTHESIZING CYBER RESILIENT NETWORK STRUCTURES

104 Paguba G. Yu., Sobolev N. V., Permyakov D. N.

ANALYSIS OF METHODS AND INSTRUMENTS OF INFORMATION SECURITY USING HARDWARE VIRTUALIZATION TECHNOLOGY OF ARM ARCHITECTURE

118 *Pahomov M. A.*

PROTECTION OF AD-HOC NETWORKS
AGAINST DISTRIBUTED SCANNING FROM THE INTERNET

129 Polosukhin N. V.

ASSESSMENT OF THE DESCRIPTIVE ABILITY OF MODERN DATA SOURCES FOR ANALYZING CYBER SECURITY THREATS

146 Poltavtseva M. A., Podorov A. A.

VERIFICATION OF ACCESS CONTROL IN BIG DATA SYSTEMS USING TEMPORAL LOGICS

157 *Samarin N. N.*

METHODOLOGY FOR FINDING ERRORS AND NONDECLARED FEATURES IN SOFTWARE

165 Tsurkan I. S., Malyshev E. V., Zubkov E. A., Moskvin D. A.

USING ADVERSARIAL ATTACKS
TO PROTECT AGAINST AUTOMATIC TEXT RECOGNITION IN CAPTCHA SERVICES