

## CONTENT

<b>V. Balikhin, N. Karpovich</b> SPHIGMOGRAPHIC SIGNAL SIMULATION MODEL	3
<b>O. Vitrovyy, N. Shynkaryk</b> THE EFFECT OF DEVIATIONS OF THE BASE PLATFORM ON THE DISPLACEMENT OF THE ANTENNA AXIS	4
<b>Y. Hlado, B. Khomitskiy</b> CALCULATION OF DYNAMIC LOADS AT STARTING OF SCREW CONVEYOR WITH SAFETY CLUTCH	5
<b>S. Dyachuk, M. Mykhailyshyn</b> EFFICIENT CONTROL OF THE HEAT CONDUCTION PROCESS USING MINIMUM ENERGY	6
<b>R. Zoloty, D. Batozhnyi, D. Stukhliak, V. Naumov, V. Derevianko</b> USING INTERNET OF THINGS SYSTEMS FOR CONTROLLING CLIMATE CONDITIONS OF ROOMS	7
<b>A. Iskra, R. Nebozhuk, L. Dediv</b> THE METHOD OF EVALUATION OF MAIN TONE PERIOD OV VOISE SIGNALS FOR MEDICAL DIAGNOSTIC SYSTEMS	8
<b>V. Karetin, A. Kurko, M. Mykhailyshyn</b> AUTOMATED PROCESSING OF EXPERIMENTAL DATA IN THE ENVIRONMENT OF EXCEL	9
<b>V. Kosik</b> ELECTROCARDIOSIGNALS PROCESSING BY THE METHOD OF STATIONARY COMPONENTS	10
<b>T. Lechachenko</b> MODEL OF EVALUATION OF STUDENT LEARNING RESULTS IN DUAL EDUCATION SYSTEM	11
<b>N. Leshchuk</b> METHODS FOR POSITION MONITORING OF ARTIFICIAL EARTH SATELLITES	12
<b>M. Makhnitsky</b> GROUNDING OF CHOICE THE MATHEMATICAL MODEL OF RHYTHMIC BIOSIGNALS	13
<b>M. Mykhailyshyn, V. Mykhailyshyn</b> OPTIMIZATION OF THE INDUCTION HEATING OF THE CYLINDER SHELLS	14
<b>H. Semenyshyn, N. Hashchyn</b> EVALUATION OF ENERGY SAVINGS ON THERMAL CONNECTION	15
<b>I. Forys, A. Lutskiv</b> MATHEMATICS AND SOFTWARE OF VEHICLE STEERING COMPUTER SYSTEM	16
<b>I. Chihira, A. Mikitishin, P. Stukhlyak</b> ENSURING THE LOGICAL AND PHYSICAL INTEGRITY OF DATABASES	17
<b>S. Shindin, A. Zgurovsky</b> ASSESSMENT OF LANGUAGE LEGIBILITY IN TELECOMMUNICATION SYSTEMS	18
<b>L. Andriyuk, S. Uniat, V. Khvostivskyy</b> ELECTRONEUROMIOSIGNAL PROCESSING SOFTWARE	19
<b>D. Antoniuk, N. Babii, B. Hodovanets, V. Marusyak</b> THE MODERN DEFINITION OF A “SMART CITY”	20

<b>M. Baranskyi</b> DEVELOPMENT OF MACHINE TRANSLATION SYSTEM BASED ON TECHNOLOGY OF NEURAL NETWORKS WITH USING A QUALITY METRIC VECTOR	21
<b>Y. Bachinskiy</b> ANALYSIS OF COMMUNICATION METHODS OF ROBOTS BASED ON AR- DUINO MICROCONTROLLERS	22
<b>A. Belma, O. Karelina</b> DETECTION OF THREATS TO IOT DEVICES USING HONEYPOTS	23
<b>Yu. Brezmen, N. Kunanets</b> INTELLECTUAL INFORMATION SYSTEM FOR DIAGNOSTIC OF THE MENTAL CONDITION OF HUMAN	24
<b>Butsiy R.</b> MICROCLIMATE DATA GATHERING AND VISUALIZATION SYSTEM OF SMART HOUSE BASED ON LoRaMESH-TECHNOLOGIES	25
<b>A. Vaplyak, P. Proniv, V. Dozorskiy</b> IMPROVING THE EFFICIENCY OF THE METHOD OF BIOMETRIC AUTHENTICATION BY THE FINGERS	26
<b>V. Vaskov, S. Lupenko</b> BENEFITS OF USING TENSOR PROCESSOR TO WORK WITH NEURAL NETWORKS	27
<b>V. Veselovskaya, L. Dmytrotsa</b> STATYSTYCHNYI BAHATOMOVNYY PEREKLAD ZAPYTIV PRY INFOR- MATSIYNOMU POSHUKU	28
<b>V. Vivcharyk</b> PECULIARITIES OF TEXT DATA MINING METHODS FOR DOCUMENT AUTHORSHIP IDENTIFICATION	29
<b>R. Volianskyi</b> TOOLS OF INFORMATION TRANSFER IN THE SYSTEM «SMART ZEBRA CROSSING»	30
<b>R. Havryliv, N. Kunanets</b> DENTAL CLINIC AUTOMATION	31
<b>R. Halaz, N. Kunanets</b> INTELLECTUAL SYSTEM OF DETERMINATION OF MUSIC WORK HARMONY	32
<b>O. Goloyad, A. Shurhai, I. Dediv</b> INCREASING THE EFFICIENCY OF PULSE CONVERTERS	33
<b>M. Goralechko, S. Metokhir</b> DEVELOPMENT OF THE SET OF ALTERNATIVE SOFTWARE ARCHITEC- TURES	34
<b>Y. Hulka</b> CRITERIA FOR STEGANOGRAPHIC METHODS OF HIDING INFORMATION IN IMAGES COMPARISON	36
<b>V. Humenuk</b> RECOMMENDATIONS FOR IMPROVING EFFICIENCY OF RISK MANAGEMENT IN ENTERPRISE INFORMATION SECURITY	37
<b>V. Humeniuk</b> RESEARCH OF THE PERCENTAGE OF LOSSES AFTER THRESHING IN THE PROCESS OF HARVESTING	38
<b>N. Didych, Y. Rosiak</b> MODERN AUTOMATED CONTROL SYSTEMS	40

<b>V. Dorofei, N. Palyanytsya</b> RESEARCH FOR MEDICAL IMAGE FORMATS FOR USE IN NEURAL NETWORK CLASSIFIERS	41
<b>B. Zhylavskiy, M. Petrik</b> DEVELOPMENT OF WEB-APPLICATION TO MANAGE THE SOFTWARE CREATION PROCESS	42
<b>O. Zhmurkevych, N. Kunanets</b> FAMILY DOCTOR SUPPORT INFORMATION SYSTEM	43
<b>I. Zhuravlyuk</b> IMPROVING IMAGE QUALITY FOR DIGITAL X-RAY DIAGNOSTICS	44
<b>O. Zabihailo, O. Tereshko, I. Panasiuk, R. Leskiv</b> THE INTERNET OF THINGS, BIG DATA, AND INTELLIGENCE IN SMART CITY	45
<b>D. Ivantyshyn, N. Kunanets</b> INFORMATION SYSTEM OF ACCOUNTING AND ANALYSIS OF SOLAR ACTIVITY DATA	46
<b>V. Kamaiev</b> ELECTRICITY MANAGEMENT IN SMART BUILDING SYSTEMS BASED ON BLUETOOTH LOW ENERGY TECHNOLOGY	47
<b>O. Karelina, V. Dudykevych</b> CLASSIFICATION OF METHODS TO DEFINITION INFORMATION SYSTEMS SECURITY	48
<b>S. Kovalik, V. Nikolaychuk, V. Dozorskiy</b> SELECTION OF BIOSIGNALS FOR THE TASK OF HAND BIOPROSTHETICS	49
<b>A. Kohut</b> USING OF BLOCKCHAIN TECHNOLOGY TO ASSURE INFORMATION OPENNESS	50
<b>S. Komendat, O. Sembai, I. Soima, V. Yuzvak</b> CONCEPTS OF DEVELOPMENT OF SMART CITIES	51
<b>I. Konovalenko, P. Maruschak, R. Fedko, P. Nakonechnyi</b> INTELLECTUALIZED METHODS OF DIAGNOSING STRUCTURES ACCORD- ING TO A FUZZY DESCRIPTION OF DEFECTS	52
<b>O. Kopanetskii</b> USE OF BLOCKCHAIN TECHNOLOGY TO CONTROL THE COPYRIGHT MECHANISM OF AUDIO FILES	53
<b>B. Kravchyk, V. Dunets</b> DETECTION OF RADIO SIGNALS IN INTERFERENCE WITH INTERFER- ENCE	54
<b>V. Krot</b> RESEARCH OF TELEMEDICINE DEVELOPMENT PROBLEMS IN UKRAINE	55
<b>V. Krot</b> REVIEW OF TELEMEDICINE TECHNOLOGIES	57
<b>M. Kuzyo</b> ASSESSMENT OF INFORMATION SECURITY RISKS OF TERNOPIL NATIONAL TECHNICAL UNIVERSITY	58
<b>O. Kunanets, A. Vasyliuk</b> CREATION OF THE BLOOD DONATION RECOMMENDATION SYSTEM AS AN IT-PROJECT	59
<b>Y. Kupchak, V. Muzh</b> METHOD OF SECURITY STORAGE OF INFORMATION ON DIGITAL MEDIA	60
<b>O. Lavrynets, I. Grod</b> BUILDING A WEB APPLICATION DEVELOPMENT ENVIRONMENT WITH OPTIMAL SECURITY	61

<b>A. Lebid, D. Pokurbanych</b> AUTOMATED METHODS OF APPLICATION OF PROTECTIVE COATINGS WITH INCREASED TECHNOLOGICAL PROPERTIES ON METAL SURFACES	62
<b>R. Leskiv, Yu. Smetanka</b> AUTENTIFICATION ROLE IN DISTRIBUTED COMPUTER SYSTEMS	63
<b>H. Lypak, O. Lypak</b> TECHNOLOGICAL PLATFORM FOR THE PRESENTATION OF THE DIGITAL HISTORICAL AND CULTURAL HERITAGE	64
<b>P. Madzei, P. Kovalchuk, A. Kulchytskyi</b> INFORMATION TECHNOLOGY PLATFORMS AND SOLUTIONS FOR THE IMPLEMENTATION OF THE SMART CITY CONCEPT	65
<b>P. Maruschak, I. Konovalenko, V. Kravets, O. Romanyshyn</b> NEW METHODS OF ANALYSIS OF ELECTRONIC-MICROSCOPIC IMAGES AND MICROPROFILE OF THE SURFACES OF BIOCORED STEEL SAMPLES	66
<b>O. Maruschak, A. Prystash, Yu. Storozhuk, D. Baran</b> AUTOMATED EXPRESS METHOD OF COMPARISON OF MECHANISMS OF FRACTURE OF EPOXY COMPOSITES BY QUANTITATIVE ANALYSIS OF MORPHOLOGY OF LABORATORY SPECIMENS	67
<b>I. Martiniuk</b> ON ONE APPROACH TO PROTECTING INFORMATION IN 802.11 WI-FI NETWORKS	68
<b>H. Martsiash, M. Klishch, R. Slobodian</b> AUTOMATION OF VERIFICATION OF DOCUMENTS ACCORDING TO NEURAL NETWORKS	69
<b>H. Matsiuk, N. Kunanets</b> LINGUISTIC ASPECTS OF COMMUNICATION WITH EXPERTS IN THE FORMATION OF SEARCH THESAURUS	70
<b>S. Melnyk, N. Kunanets</b> RECOMMENDATION SYSTEM OF THE EURO-CASTLE INTERNET SHOP	71
<b>T. Mykhailovych</b> INFORMATION TECHNOLOGY UPON WATER CONSUMPTION FORECASTING METHOD, USING PARALLEL COMPUTATIONS ON GPU	72
<b>V. Nadozirnii</b> A SOFTWARE FOR ADMINISTRATION AND ACCOUNTING OF CAR PARKING	73
<b>D. Nastyn, I. Chorna</b> THE ASSESSMENT OF EXPERT STATEMENTS SEQUENCE	74
<b>V. Okseniuk</b> USE OF SOFTWARE FOR INFORMATION SECURITY RISK ASSESSMENT AND MANAGEMENT	75
<b>K. Olkhovetska</b> RESEARCH OF CURRENT OBJECT RECOGNITION ALGORITHMS	76
<b>D. Omelianiuk</b> MINIMIZATION OF INFORMATION SECURITY RISKS UNDER INFORMATION SECURITY SYSTEM DEVELOPMENT	77
<b>S. Oselskyi</b> INFORMATION SYSTEM AND TECHNOLOGY	78
<b>M. Palamar, T. Horyn, M. Trukhanskyi, P. Hirniak, V. Neliubin</b> METHOD OF INCREASING MEASUREMENT ACCURACY ANGLE ORIEN- TATION REFLECTOR USING MEMS ACCELEROMETER	79
<b>O. Palka, T. Skliarova, A. Shumiak</b> ANALYSIS OF METHOD FOR ESTIMATING SMART CITIES IN TURKEY	80

<b>P. Pantsyr</b> IMPLEMENTATION OF DIGITAL TOOLS INTO THE STRUCTURE OF BUSINESS-PROCESSES OF ORGANIZATION	81
<b>Yu. Pankiv, N. Kunanets</b> RECOMMENDATION SYSTEM FOR URBAN PARKING	82
<b>B. Perkhun, N. Kunanets</b> INFORMATION SYSTEM FOR RENDERING TRANSPORT SERVICES	83
<b>A. Postolyuk</b> THEORETICAL BACKGROUND OF DATABASE SYNCHRONIZATION AND REPLICATION	84
<b>M. Potykevych</b> PROTECTING CMS 1:C BITRIX FROM CROSS-SITE SCRIPTING ATTACKS BY BITRIX FRAMEWORK	85
<b>A. Pryshliak, V. Pasichnyk, N. Kunanets</b> INTELLECTUAL SYSTEM FOR FORMATION OF PERSONAL EDUCATIONAL TRAJECTORS IN IT	86
<b>I. Piatkivskyi, A. Shumiak</b> ANALYSIS OF GIS SOFTWARE PRODUCTS, CHOICE OF OPTIMAL APPLICATION FOR GIS SYSTEM DEVELOPMENT	87
<b>A. Rodzoniak</b> TRANSFORMATION OF ERM-MODEL DATABASE IN RELATIONAL MODEL	88
<b>M. Sadvnuk</b> MACHINE TRAINING IN USE BROWSER TENSORFLOW.JS	89
<b>R. Samets</b> INCREASING THE PRODUCTIVITY OF OZONE GENERATORS FOR MEDICAL OZONE THERAPY SYSTEMS	90
<b>Ya. Samytsia, M. Horalechko, Yu. Dzyha</b> HIERARCHIC STRUCTURE FOR E-COMMERCE SYSTEMS QUALITY MODELS	91
<b>Ya. Samytsia, S. Magula</b> THE PRINSIPLES OF INTEGRAL ASSESSMENT OF SOFTWARE QUALITY LEVEL FOR AUTOMATED CONTROL SYSTEMS	93
<b>T. Sachyk, N. Zagorodna</b> PROTECTION OF PERSONAL INFORMATION IN THE OBJECTIVES OF ANALYSIS AND PROCESSING OF BIG DATA	95
<b>D. Severyn</b> SOFTWARE TO MANAGE THE MIGRATION PROCESS OF VIRTUAL MACHINES IN A COMPUTING CLOUD	96
<b>O. Sytnyk, A. Lazorko</b> METHOD OF DATA REPLICATION USING NFC TECHNOLOGY	97
<b>T. Skliarova, O. Palka</b> HISTORY OF GEOINFORMATION SYSTEM DEVELOPMENT	98
<b>V. Soboruk, L. Matiychuk</b> TASKS OF TESTING MOBILE COMMUNICATION SYSTEMS	99
<b>A. Tarapata, M. Ivanyk</b> ANALITICAL HIERARCHIC PROCESS FOR QUALITY ASSESSMENT IN COMPUTER NETWORKS DESIGN	100
<b>A. Tarapata, A. Hulyk</b> REQUIREMENTS ENGINEERING ON THE BASE OF QUALITY MODELS	101
<b>P. Televyak, L. Matiychuk</b> ANALYSIS OF MODERN INFORMATION PROTECTION METHODS AND THEIR CLASSIFICATION	102

<b>O. Topchak, N. Kunanets</b> RECOMMENDATION SYSTEM OF REHABILITATION OF PATIENTS WITH PROBLEMS OF THE MUSCULAR MACHINE	103
<b>B. Tryhubets</b> DEVELOPMENT OF CMS AND WEB SITE SECURITY METHODS	104
<b>L. Tuchapsky, M. Polishchuk</b> DIGITAL FILTRATION OF RADIO SIGNALS	105
<b>M. Shmyhelskyi, V. Lishchynskyi</b> BASIC METHODS AND TECHNIQUES OF SECURITY BREACH IN MODERN WIRELESS NETWORKS	106
<b>A. Shumiak, O. Palka, I. Piatkivskyi</b> ANALYSIS OF METHOD FOR ESTIMATING SMART CITIES IN TURKEY	107
<b>R. Yavorskii, V. Ambok, V. Lenio</b> INFORMATION SECURITY CHALANGES FOR DEPLOYMENT OF INTRUSION DETECTION SYSTEMS	108
<b>V. Vladyka, D. Velychko, H. Osukhivska</b> DATA TRANSMISSION TECHNOLOGIES IN THE DIGITAL HOSPITAL SYSTEM	109
<b>V. Barbarych, Y. Ivanusa</b> HARMFUL EFFECT OF WI-FI ON HUMAN BODY	110
<b>M. Bedriychuk</b> IMPLEMENTATION OF THE METHOD OF ADAPTIVE SELECTION OF COMMUNICATION CHANNELS FOR THE "SMART HOUSE" SYSTEM	112
<b>D. Voityna, V. Yatsyshyn</b> ANALYSIS OF FEATURES OF CRITICAL COMPUTER SYSTEMS	113
<b>R. Havan, V. Yatsyshyn</b> FEATURES OF SENTIMENT ASPECT-BASED ANALYSIS IN THE PROCESS OF COMPUTER SYSTEMS MODERNIZATION	114
<b>S. Galan, V. Yatsyshyn</b> FEATURES OF "SMART SYSTEMS" DESIGN WITH THE ABILITY TO INTERACT WITH CLOUD SERVICES	115
<b>R. Haiduk, D. Mikhalik</b> DEVELOPING A SOCIAL NETWORK FOR LIBRARIES USING .NET TECHNOLOGIES	116
<b>Y. Holoiad</b> METHODS AND ALGORITHMS FOR IMAGE IDENTIFICATION	117
<b>I. Holub, O. Yasniy</b> METHODS AND MEANS OF NETWORK SWITCHES CONSTRUCTION WITH SUPPORT OF GEON AND LTE TECHNOLOGIES	118
<b>A. Dzhyndzhyrystyi, M. Palamar</b> ANALYSIS OF COLLABORATIVE FILTERING METHODS IN HUNTING OF THE COMPUTER SYSTEMS DEVELOPMENT TEAM	119
<b>P. Evtukh, V. Khrapa</b> METHODS AND MEANS OF CONDITIONING OUTPUT DIGITAL FLOWS IN THE APPLICATION IOT TO MEDICAL DEVICES	120
<b>A. Zhuivoda</b> QUALITY ASSURANCE METHOD FOR TRANSMITTING VOICE SIGNALS IN COMPUTER NETWORKS	121
<b>A. Zhuivoda</b> IMPROVING THE QUALITY OF STREAMING TRAFFIC	122

<b>O. Zymnytskyi</b> VULNERABILITIES OF THE IMPLEMENTATION OF CRYPTOGRAPHIC METHODS IN SSL/TLS PROTOCOL	123
<b>B. Kalynychenko, I. Grod</b> RESEARCH ON THE VULNERABILITIES OF THE "ZoomSupport" OFFICE NETWORK AND THE METHODS OF THEIR REMOVAL	124
<b>V. Kovalev, S. Lupenko</b> METHODS AND MEANS OF CONSTRUCTION OF COMPUTERIZED DIALOGUE SYSTEMS OF THE SHOPPING CENTER	125
<b>I. Kupratyi</b> NEURAL NETWORKS IN BIOMETRIC IDENTIFICATION SYSTEMS BY KEYBOARD	126
<b>O. Lishchuk, E. Tysh</b> ADVANTAGES OF USE OF COMPUTER NETWORK CHANNEL AGGREGATION TECHNOLOGY	127
<b>V. Lukashuk</b> MEANS OF REMOTE CONTROL OF CARGO PARAMETERS IN LOGISTICS SYSTEMS	128
<b>A. Melnychuk, M. Hvostivskyy, I. Horbovyi</b> PROVIDING COMPUTER DIAGNOSTIC SYSTEMS	129
<b>K. Mokha, M. Hvostivskyy, A. Kravchuk</b> COMPUTER SYSTEMS OF GENERATION OF TEST SIGNALS OF HUMAN VESSELS AND RETINAL	130
<b>V. Nestor, V. Yatsyshyn</b> ATTRIBUTES CLASSIFICATION PROCEDURE BY QUALITY CHARACTERISTICS OF COMPUTER SYSTEMS	131
<b>A. Palamar</b> SOFTWARE-HARDWARE COMPLEX FOR REMOTE MONITORING OF UNINTERRUPTIBLE POWER SUPPLIES	132
<b>N. Palyanytsya, V. Dorofei</b> DEVELOPMENT OF THE SOFTWARE PACKAGE FOR MEDICAL IMAGE MARKING IN MACHINE TRAINING	133
<b>L. Puliak, S. Lupenko</b> METHODS OF MEDICAL IMAGE PROCESSING IN COMPUTER SYSTEMS	135
<b>B. Ravchak</b> CHARACTERISTICS OF JAMSTACK METHODOLOGY	136
<b>Ye. Siviak, Ie. Tysh</b> METHODS AND MEANS OF ECG PREPROCESSING FOR TELEMONITORING SYSTEMS	137
<b>V. Steblyk, U. Polyvana</b> NETWORK MONITORING AS A WAY TO ANALYZE INFORMATION PROCESSES IN LOCAL AND GLOBAL NETWORK	138
<b>Ie. Tysh, O. Zyma</b> SELECTION CRITERIA OF WIRELESS TELEMETRY NETWORKS EFFICIENCY	139
<b>S. Turkot</b> NEURAL NETWORKS IN BIOMETRIC AUTHENTICATION SYSTEMS	140
<b>O. Tsebryk</b> METHODS AND TOOLS FOR BUILDING SPECIALIZED COMPUTER SYSTEMS FOR GASOLINE QUALITY ASSESSMENT	141
<b>B. Tsiupryk, O. Yasniy</b> INTERNET OF THINGS SECURITY	142

<b>V. Chasnyk, N. Lutsyk</b> PROCESS OF AUTOMATIC SPEECH RECOGNITION ON MICROCONTROLLER SYSTEM	143
<b>Y. Chyrskiy, V. Yatsyshyn</b> ANALYSIS OF THE USABILITY MODEL IN THE QUALITY EVALUATION PROCESS OF HUMAN-MACHINE INTERACTION	144
<b>Kh. Yurkevych, A. Lutskiv, N. Popovich</b> ANALYSIS OF EFFICIENT PROCESSING OF BIG TEXT DATA BY CLOUD SERVICES	145
<b>Ya. Yuskiv, Ie. Tysh</b> DATABASE OF SUPPORTING SYSTEM OF INFLUENCE SOFTWARE DEFECTS ON THE RELIABILITY OF COMPUTER SYSTEMS	146
<b>Y. Arutyunyan</b> MANAGEMENT DECISION SUPPORT SYSTEMS	147
<b>Y. Bezkorovaina, A. Telka</b> VISUAL DESIGN OF SOFTWARE BY ECLIPSE PAPYRUS EDITOR	148
<b>K. Bilomazur</b> REASONS TO USE AND SUPPORT TECHNOLOGY VOICEOVER IN MOBILE APPLICATION	149
<b>M. Vynnyk</b> DEVELOPMENT OF AN OBJECT-ORIENTED SYSTEM FOR PROCESSING PERSONAL DATA ON THE IOS PLATFORM FOR SMALL AND MEDIUM BUSINESSES	150
<b>A. Hanets</b> ADVANTAGES OF USING ARTIFICIAL INTELLIGENCE FIREBASE ML KIT FOR MOBILE PLATFORMS	151
<b>M. Hiliuta</b> PROBLEMS OF FREIGHT LOGISTICS DEVELOPMENT AND IMPLEMENTATION OF INFORMATION TECHNOLOGIES IN THE INDUSTRY	152
<b>S. Zaoborny, D. Mikhalik</b> DEVELOPMENT OF SOFTWARE TO REALIZE ELECTRONICS SALES WITH THE USE OF .NET TECHNOLOGY	153
<b>V. Ioltukhovskiy, M. Petryk</b> THE DEVELOPMENT OF AN ARCHITECTURAL MODEL FOR THE IMPLEMENTATION OF THE FINANCIAL DECISION STRATEGIES	155
<b>I. Kinakh, I. Boyko, R. Paslavsky, U. Yatsykovska, M. Karpinsky</b> PROGRAMMING OF PARALLEL CRYPTOANALYTIC ALGORITHMS ON QUANTUM MEANS	156
<b>V. Kotsulym</b> PROBLEMS OF USING MACHINE LEARNING TECHNOLOGY	157
<b>P. Kravets, D. Mykhalyk</b> DEVELOPMENT OF SOFTWARE TO IMPROVE THE EFFICIENCY OF AN ADAPTIVE FEEDBACK SYSTEM USING MODERN TECHNOLOGIES	158
<b>D. Landiak</b> DEVELOPMENT OF A SOFTWARE FOR COLLECTING, MONITORING AND VISUALIZING INFORMATION BASED ON IOT (INTERNET OF THINGS) PLATFORM FOR GRAIN QUALITY CONTROL IN GRANARIES	159
<b>I. Melnyk, H. Tsupryk</b> DEVELOPING OF CLIENT-SERVER APPLICATION FOR ANDROID OPERATING SYSTEM WITH USING JAVA TECHNOLOGIES	161
<b>A. Nebeso</b> PROBLEMS WITH USE OF LOGISTIC SERVICES	162



<b>Y. Rosiak, N. Didych</b> WEB PROJECTS DEVELOPMENT WITHOUT USING FRAMEWORKS	163
<b>P. Tesliuk, M. Petryk</b> MODELING THE ARCHITECTURE OF A RESOURCE PLANNING SYSTEM FOR AGRICULTURAL ENTERPRISES	164
<b>I. Tyshko, O. Pastukh</b> DEVELOPING OF AN INTERACTIVE SOCIALIZATION ENVIRONMENT WITH USING JAVA SCRIPT PROGRAMMING LANGUAGE AND FRAMEWORK METEOR JS	165
<b>I. Urmanets, D. Myhalyk</b> DEVELOPMENT OF A SYSTEM FOR MANAGING THE EDUCATIONAL PROCESS	166
<b>T. Chomko, A. Lupenko, V. Hoi, A. Husak</b> PROGRAM POWER CONTROL OF MULTISTAGE RESONANCE INVERTER	167
<b>I. Hinsirovska, L. Dzhyzhora</b> INNOVATIVE TECHNOLOGIES FOR ENGLISH LANGUAGE TEACHING AT HIGHER TECHNICAL EDUCATIONAL INSTITUTIONS	169
<b>V. Dovhanych</b> HARDWARE AND SOFTWARE OF DRONE COORDINATION AND CONTROL COMPUTER SYSTEM	170
<b>V. Syniavskyi</b> ANALYSIS OF IMAGE SEGMENTATION METHODS	171
<b>Yu. Skorenkyy, L. Tsoka</b> COMPUTER SYSTEM OF QUADCOPTER GESTURE CONTROL	172
<b>S. Lupenko, D. Vorobets</b> COMPUTER SYSTEMS DEPENDABILITY MODEL	173