

Infocommunication systems and technologies

Ostap Yunak, Mykhailo Klymash, Ivan Demydov

GENERATION AND RECOGNITION OF FRACTAL CAMOUFLAGE STRUCTURES USING NEURAL NETWORKS1

Y. Babich, L. Hlazunova, T. Kalinina, Y. Petrovych

R2 METRIC DYNAMICS FOR K-NEAREST NEIGHBORS REGRESSION MODEL TRAINED ON SERIES OF DIFFERENT SIZES10

V. Barannik, M. Babenko, E. Eliseev2 Yu. Tsimura

METHOD CODING OF CLUSTERED TRANSFORMANTS IN DIFFERENTIAL-NORMALIZED SPACE19

I. Bernevek, O. Holovko, T. Rosa, V. Kornieiev, O. Yaremko

INVESTIGATION OF INTEGRATED CONTROL ALGORITHMS FOR UNMANNED AERIAL VEHICLE GROUPS.....29

H. Beshley, S. Bodnar, M. Seliuchenko, M. Beshley, M. Klymash

DEVELOPMENT OF A PLATFORM FOR RESEARCHING AUTOMATIC CONTAINER SCALING AND LOAD BALANCING IN DISTRIBUTED SYSTEMS38

A. Sydor, D. Balazh, Yu. Vitrovyi, O. Kapshii, O. Karpin, T. Maksymyuk

RESEARCH ON THE STATE-OF-THE-ART DEEP LEARNING BASED MODELS FOR FACE DETECTION AND RECOGNITIO.....49

A. Holdii, O. Shpur, A. Masyuk

DEVELOPMENT OF A MODEL OF A CYBER THREATS DETECTION SYSTEM WITH SUPPORT AND UPDATE OF ATTACK DETECTION RULES.....60

Ya. Pyrih

SEARCH FOR A DATA TRANSMISSION ROUTE IN A WIRELESS SENSOR NETWORK USING A GENETIC ALGORITHM.....72

B. Fedoryshyn, O. Krasko

MIGRATION OF SERVICES IN A KUBERNETES CLUSTER BASED ON WORKLOAD FORECASTING82

O. Urikova, K. Morhoiev, D.Chornyi

EFFECTIVENESS ENHANCEMENT OF TRAFFIC CAMERAS BASED ON VEHICLES' AVERAGE SPEED CALCULATION93

A. Senyk, Yu. Pyrih, O. Shpur

STUDY OF THE INTELLIGENT MONITORING ALGORITHM OF QOS IN THE MASS SERVICE SYSTEMS.....103

L. Ozirkovskyy, B. Volochiy, N. Pryymak, Yu. Zhuk

APPLYING A FORMALIZED LOGICAL-PROBABILISTIC METHOD FOR DETERMINING THE SURVIVABILITY INDICATORS OF MESH NETWORKS.....113

Radioelectronics

L. Tarasenko, V. Voloskyi

SWITCHING RIPPLE DATA TRANSFER TECHNIQUE USING STEP-DOWN DC-DC CONVERTER.....121

J. Boiko, O. Eromenko, I. Pyatin

EVALUATION OF FREQUENCY-PHASE DISTORTIONS IN OPTICAL TELECOMMUNICATIONS USING OFDM.....130

Yu. Budaretsky, A. Dzyuba, M. Klymash

WAYS TO COMPREHENSIVELY ENSURE THE ACCURACY AND NOISE IMMUNITY OF RADAR SYSTEMS FOR AUTONOMOUS NAVIGATION AND TO PREVENT COLLISIONS OF GROUND MOVING OBJECTS.....140

Electronics and engineering

R. Holyaka, M. Brych, O. Adamiak, Yu. Shliusar, N. Barylo

SERVICE PROVISIONING USING ALGORITHM OF STRUCTURE STABILITY IN VIRTUALIZED DATA CENTER BASED ON CLOUD TECHNOLOGY151

O. Kyrsanov, S. Krivenko

FEATURE ENGINEERING FOR THE IMPLEMENTATION OF MACHINE LEARNING IN CLINICAL DATA PROCESSING162

A.Fechan, Yu.Khoverko, V. Dalyavskii, T. Digladovich

HARDWARE & SOFTWARE COMPLEX OF OPTICAL IDENTIFICATION OF PASSIVE INFORMATION CHANNELS OF NON-CONTACT PRESSURE-TEMPERATURE SENSORS172