



Certificate of Participation

This is to certify that paper

Olha Oliinyk, Yuri Taranenko and Valerii Lopatin
Analysis of Discrete Wavelet Spectra of Broadband Signals

have been presented by it's authors
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The CMIS-2023 Workshop held 3 of May 2023
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3 of May 2023





Certificate of Participation

This is to certify that paper
Serhii Vladov, Yuri Shmelov, Ruslan Yakovliev, Maryna Petchenko
Neural Network Method for Detecting and Diagnostics
Helicopters Turboshaft Engines Surge at Flight Modes

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This is to certify that paper
Victor Krasnobayev, Alina Yanko and Dmytro Kovalchuk
Control, diagnostics and error correction in the modular number
system

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This is to certify that paper

Yulii Horichenko, Anzhelika Parkhomenko, Oleg Pozdnyakov, Artem Tulenkov, Yaroslav Zalyubovskiy, Olga Gladkova and Andriy Parkhomenko

Research and software implementation of intelligent method of energy consumption control

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This is to certify that paper
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Pasichnyk

A study of temporal and recurrent neural networks for CO2
emission forecasting

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This is to certify that paper
Andriy Goncharenko
Basic Theoretical Provisions of Entropy Approach for Intelligent
Air Transportation Management

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This is to certify that paper
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Development of Digital Twin Based on a Model With Fractional-
Rational Uncertainty

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This is to certify that paper
Vladimir Vychuzhanin, Nickolay Rudnichenko, Alexey Vychuzhanin and
Natalia Shibaeva
Intellectualization Method and Model of Complex Technical
System's Failures Risk Estimation and Prediction
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This is to certify that paper
Alina Shafronenko, Yevgeniy Bodyanskiy and Iryna Pliss
Credibilistic Fuzzy Clustering Method Based on Evolutionary
Approach of Crazy Wolves in Online Mode

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This is to certify that paper
Vladyslav Sarnatskyi and Igor Baklan
On Efficient Single-Core Execution of Agent-Based
Epidemiological Models with Contact-Tracing Transmission

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Ministry of Education and Science of Ukraine
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Sixth International Workshop on Computer Modeling and Intelligent Systems CMIS-2023



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This is to certify that paper
Serhii Mashchenko and Oleksandr Marchenko
On linear regression for fuzzy data of different quality

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Certificate of Participation

This is to certify that paper
Andrii Didenko, Andrii Oliinyk and Sergey Subbotin
Thermal Image Super-Resolution Methods Using Neural
Networks

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This is to certify that paper
Ihor Prots'Ko, Aleksandr Gryshchuk and Volodymyr Riznyk
Efficient Multithreading Computation of Modular Exponentiation
with Pre-computation of Residues for Fixed-base

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This is to certify that paper
Viacheslav Zosimov and Oleksandra Bulgakova
Approach to Search Result Rankings Based on User Ratings

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Certificate of Participation

This is to certify that paper
Nataliia Kuznietsova and Serhii Smirnov
Application of vision transformers and 3D convolutional neural
networks for sign language cluster recognition

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This is to certify that paper
Oleg Ieremeiev, Vladimir Lukin, Krzysztof Okarma and Karen Egiazarian
Efficiency increasing of no-reference image quality assessment in
UAV applications

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This is to certify that paper

Tetiana Vakaliuk, Ihor Pilkevych, Yurii Hordiienko and Veronika Loboda
Application of Polarization-Time Model Seismic Signal for Remote
Monitoring of Potential Sources Emergencies by Three-Component
Seismic Station

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This is to certify that paper
Lyudmila Akhmetshina, Artyom Yegorov and Stanislav Mitrofanov
Improving Low-Contrast Images Using Frequency and Fuzzy
Transformations

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This is to certify that paper
Vadym Shkarupylo, Ihor Blinov, Valentyna Dusheba and Jamil
Abedalrahim Jamil Alsayaydeh
Case Driven TLC Model Checker Analysis in Energy Scenario

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This is to certify that paper
Serhii Leoshchenko, Andrii Oliinyk, Sergey Subbotin, Matviy Ilyashenko
and Tetiana Kolpakova
Neuroevolution methods for organizing the search for anomalies
in time series

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This is to certify that paper
Hamza Kamel Ahmed, Baraa Tantawi and Gehad Ismail Sayed
Multiclass Image Classification Based on Quantum-Inspired
Convolutional Neural Network

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This is to certify that paper
Serhiy Shtovba, Mykola Petrychko and Olena Shtovba
Similarity Metric of Categorical Distributions for Topic Modeling
Problems with Akin Categories

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