



**Program of the
4th Edge Computing Workshop (doors 2024)**

Zhytomyr, Ukraine, April 05, 2024

Link for workshop: <https://kdpu-edu-ua.zoom.us/j/88611447477?pwd=Rm9WYjJxejZGRDNOL25meHNpYnpBUT09>

Meeting ID: 886 1144 7477

Passcode: 850613

Time	Authors	Title of the article
13.00-13.10	Tetiana A. Vakaliuk, Andrii V. Morozov, Serhiy Semerikov	Welcome remarks
13.10-13.25	Viktorija Smolij, Natan Smolij , Sergii Sayapin	Search and classification of objects in the zone of reservoirs and coastal zones
13.25-13.40	Andrii V. Riabko , Tetiana A. Vakaliuk, Oksana V. Zaika, Roman P. Kukharchuk, Valerii V. Kontsedailo	Edge computing applications: using a linear MEMS microphone array for UAV position detection through sound source localization
13.40-13.55	Nataliia Kulykovska, Artur V. Timenko , Svitlana S. Hrushko and Vadym V. Shkarupylo	Automated Internet of Things System for Monitoring Indoor Air Quality
13.55-14.10	Ruslan V. Petrosian, Arsen R. Petrosian , Oleksandra M. Svintsytska	Test platform for Simulation-In-Hardware of unmanned aerial vehicle on-board computer
14.10-14.25	Yevhenii Voievodin , Inna Rozlomii	Advanced software framework for comparing balancing strategies in container orchestration systems
14.25-14.40	Volodymyr Artemchuk, Dmytro I. Shvaika , Andrii I. Shvaika	Data Serialization Protocols in IoT. Problems and solutions using ThingsBoard platform as an example
14.40-14.55	Tetiana Vakaliuk, Oleksandr V. Andreiev, Oleksandr F. Dubyna, Oksana L. Korenivska, Yevheniya O. Andreieva	Wireless Technologies in IoT Projects with Distributed Computing
14.55-15.10	Iryna Bepalko , Ihor Pilkevych, Leonid Naumchak , Dmytro Pekariev	An analysis of approach to the features of satellites classification determining based on modeling of linguistic variables and membership functions
15.10-15.25	Andrii Yarmilko, Inna Rozlomii, Serhii Naumenko	Data Security of IoT Devices with Limited Resources: Challenges and Potential Solutions
15.25-15.30	Tetiana A. Vakaliuk	Awards and Close Ceremony