

# TREATY



DISSEMINATION ACTIVITY OF THE PROJECT AT THE TECHNICAL TRAINING COURSE "TECHNOMAY 2024"

Nurturing deep tech talents for clean and sustainable energy transition.







# THE TECHNICAL TRAINING COURSE "TECHNOMAY 2024"

On May 20-31, on the initiative of the Dmytro Motornyi Tavri State University of Agricultural Technology, the engineering and technical training course "TechnoMay 2024" took place.



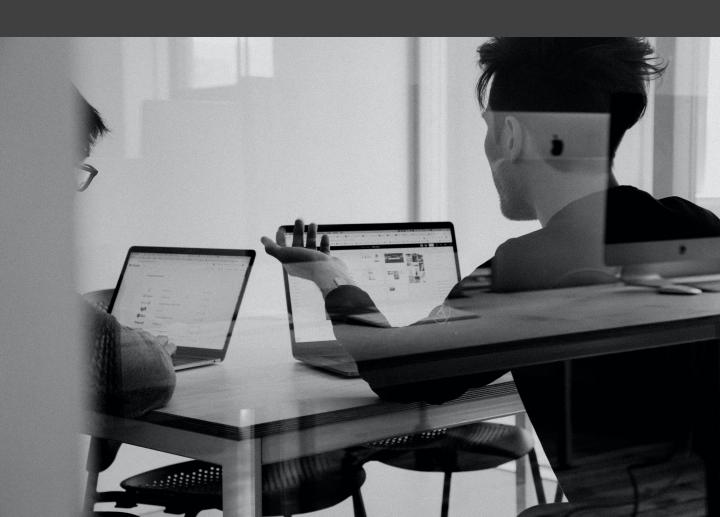
A wide range of scholars, scientists, educators, and engineers from all over Ukraine are invited to participate. Among the partners who actively participated in the organization of the event are higher education institutions of Ukraine: Kherson National Technical University, Lviv National Environmental University, Chernihiv Polytechnic National University, National University of Life and Environmental Sciences of Ukraine.

## THE TECHNICAL TRAINING COURSE "TECHNOMAY 2024"

### The aim of the course:

The course aims to become a theoretical and practical addition to the knowledge and skills of specialists in the field of modern engineering. Every day for two weeks, engineering and technical teachers bring their vision, and train participators in a cycle of seminars, and master classes.

> Learn more





### YURII ROMASEVICH REPORT OPENED THE SESSION





Сучасні методи оптимізації та їхнє застосування у задачах робототехніки і системах штучного інтелекту

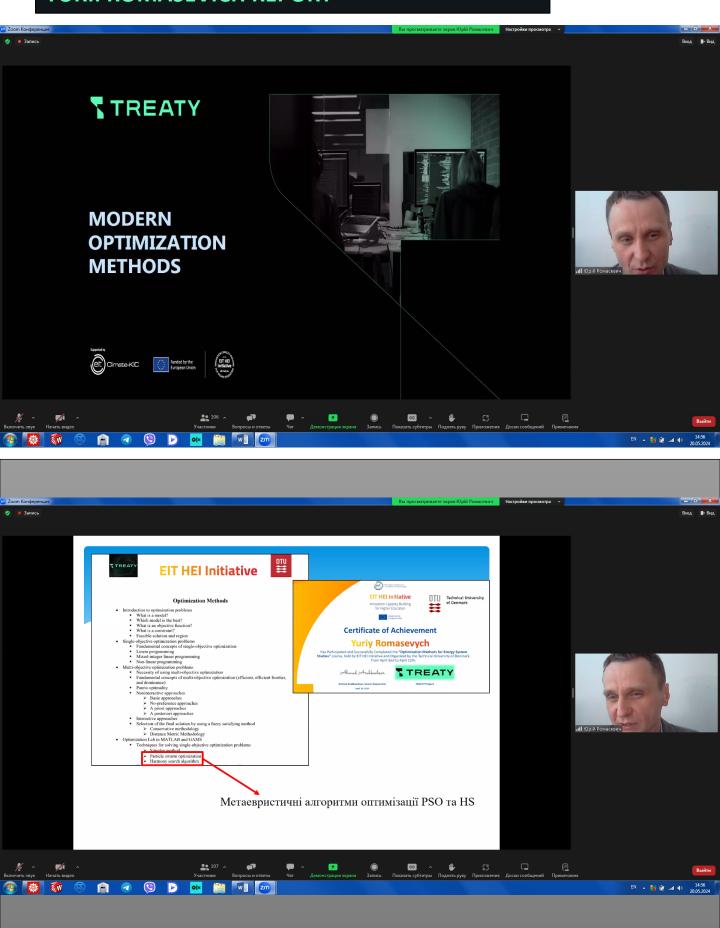
#### Юрій Ромасевич

д.т.н., професор кафедри конструювання машин і обладнання, заступник декана з наукової роботи факультету конструювання та дизайну НУБіП



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#### YURII ROMASEVICH REPORT



### THE SCIENTIFIC WORK SUPPORT WITHIN TREATY

#### TREATY activities:

Part of the TREATY project is the transfer of knowledge and expertise on different scientific research from NULES to the other partner institutions, which aims to establish structures that will strengthen the links of education and research with the industry, setting the ground for the creation of a comprehensive ecosystem that will nurture and guide aspiring entrepreneurs.

Learn more

#### YURII ROMASEVICH REPORT

The report "Modern methods of optimization and their application in problems of robotics and artificial intelligence" by professor Y. Romasevich opened the session. Professor Y. Romasevich demonstrated the technology of using artificial neural networks to control the movement of robot systems, to plan trajectories of their movement, and to predict the dynamics of the movement of robotic systems. Nevertheless, the main emphasis in the report was given to metaheuristic methods of optimization (particle swarm optimization PSO, differential evolution DE) and their application for solving optimization problems in engineering.

Professor Y. Romasevich also stressed the contents of the optimization course, provided by the HEI-TREATY project participations (DTU) and gave the basic information about TREATY goals.

#### **RESULTS OF THE COURSE**

The complete version of the information about TechnoMay course is available at the following links:

http://www.tsatu.edu.ua/technomay-

2024-prohrama-pidvyschennja-

kvalifikaciji-na-temu-suchasna-

inzhenerija/

https://sites.google.com/tsatu.edu.ua/te

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## TREATY





