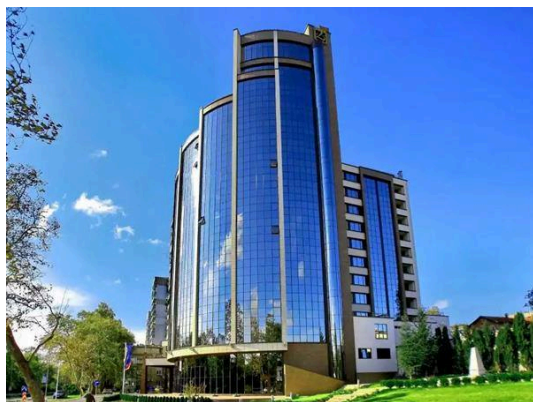


**ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - ВАРНА
КАТЕДРА “ТРАНСПОРТНА ТЕХНИКА И ТЕХНОЛОГИИ”**

ПРОГРАМА

**XXVII НАУЧНО-ТЕХНИЧЕСКА КОНФЕРЕНЦИЯ С
МЕЖДУНАРОДНО УЧАСТИЕ**

“ТРАНСПОРТ, ЕКОЛОГИЯ - УСТОЙЧИВО РАЗВИТИЕ”



**ЕКО ВАРНА '2021
13 – 15 Май 2021**

13.05.2021 г.

- 12⁰⁰ – 13⁰⁰ Регистрация на участниците. Конферентна зала на Rosslyn Dimyat Hotel Varna
13⁰⁰ – 13¹⁵ Откриване на конференцията от доц. д-р инж. Здравко Иванов

Водещ заседанието: доц. д-р инж. Здравко Иванов

- 13¹⁵ – 13³⁰ Emil Mitev - An experimental investigation of performance and emissions of a common-rail diesel engine fueled with ethanol
13³⁰ – 13⁴⁵ Dancho Gunev - Determining the basic geometric parameters of the driving position of a battery electric, prototype class vehicle for the Shell eco-marathon competition
13⁴⁵ – 14⁰⁰ Ahmed Ahmed - An integrated model for designing of technical systems: further development of the concept
14⁰⁰ – 14¹⁵ Tsvetomir Gechev - Hydrogen production, storage and transportation – a brief review
14¹⁵ – 14³⁰ Georgi Kadikyanov- Analytical determination of cars CO2 emissions with different types of climate control systems
14³⁰ – 14⁴⁵ Krasimir Bogdanov - Comparative analysis of the working process of a diesel internal combustion engine in operation with the addition of CNG and LPG
14⁴⁵ – 15⁰⁰ Stefan Tenev - Dynamic stiffness determination of a modified engine mount
15⁰⁰ – 15¹⁵ Stefan Tenev - Thermal condition modeling of a modified engine mount
15¹⁵ – 15⁴⁵ Дискусии и кафе пауза

Водещ заседанието: доц. д-р инж. Сергей Белчев

- 15⁴⁵ – 16⁰⁰ Vladimir Zhekov - Determination of a construction gauge allowing the movement of a railway vehicle for kinematic gauge GC, based on national construction gauge 1-CM2
16⁰⁰ – 16¹⁵ Stefan Stefanov – Hydrodynamic dynamometer load control via outlet backpressure valve
16³⁰– 16⁴⁵ Krassimira Drumeva - Environmentally conscious packaging design aimed at reducing carbon emissions when transporting food and non-food products
16⁴⁵ – 17⁰⁰ Vladimir Korohodskyi - Influence of the stratified fuel-air charge pattern on economic and environmental indicators of a two-stroke engine with spark ignition (online)
17⁰⁰ – 17¹⁵ Kateryna Kovtsur - Approach to determine of stay time by trucks at unloading points (online)
17¹⁵ – 17³⁰ Olga Kholodova - Determining the acceptable walking distance when servicing cars by parking facilities(online)

19⁰⁰ Вечеря в ресторанта на хотел Rosslyn Dimyat Hotel Varna

14.05.2021 г.

Конферентна зала ТУ-Варна НУК

Водещ заседанието: д-р инж. Веселин Михайлов

Online session

- 9¹⁵ – 9³⁰ Sergey Krivoshepov - Methods for diagnosing cars by changing fuel consumption
- 9³⁰ – 9⁴⁵ Ravshan Aliev - Analysis of the track sections control system a rolling stock axle counting sensor
- 9⁴⁵ – 10⁰⁰ Piotr Kardasz - Generation of biodiesel and glycerol from waste of rice industries in Brazil
- 10⁰⁰– 10¹⁵ Hennadii Ptytsia - The concept of uniform movement of traffic flows on the contour of city highways and streets
- 10¹⁵ – 10³⁰ V Sakno - Bifurcation approach to analysis of divergent stability loss of a biaxial wheeled vehicle
- 10³⁰ – 10⁴⁵ Nataliia Semchenko - Research of the world trend of accident rate
- 10⁴⁵ – 11⁰⁰ A. Ryabushenko - Effect of speed limit reduction from 60 to 50 km/h on road safety for a large Ukrainian city
- 11⁰⁰ – 11¹⁵ Peter Horbachov - The changes in vehicle speed distribution related to complicated traffic conditions in cities
- 11¹⁵ – 11³⁰ Evgeny Dimitrov - Study on the noise of a hydrogen-diesel dual-fuel engine
- 11³⁰ – 11⁴⁵ Maryana Ivanova - Simulation model of dynamic processes in cars with low-speed internal combustion engines
- 11⁴⁵ – 12⁰⁰ Iliya Todorov - Influence of wire electrode vibrating frequency upon the structure of the deposited layers
- 12⁰⁰ – 12¹⁵ Iliya Todorov - Theoretical investigation of the dynamic loading of a lifting mechanism
- 12¹⁵ – 12³⁰ Yoana Tsarovska - Application of photogrammetry and remote sensing in road infrastructure
- 12³⁰ – 12⁴⁵ Neli Zdravcheva - Remote study of climatic cataclysms
- 12⁴⁵ – 13⁰⁰ Neli Zdravcheva - Digital models creation with photogrammetric and remote sensing methods
- 13⁰⁰ – 14⁰⁰ Дискусии и обедна почивка

Водещ заседанието: доц. д-р инж. Росен Христов

Постерна сесия

1. Stanimir Karapetkov - Animation of a traffic accident through the Autodesk Maya
2. Mihail Milev - 3D modeling of the mechanical system of a vehicle with Autodesk Maya
3. Liudmyla Abramova - Geoinformation model of the street network for traffic control in cities
4. A. Bajinov - Determination of the efficiency of regenerative braking of a vehicle
5. Vladimir Volkov - Improvement of the vehicle identification method
6. Igor Gritsuk - Forecasting changes in the braking distance of passenger vehicles
7. Nataliia Vnykova - Comprehensive assessment of the biodiesel fuel influence on climate change
8. Yuriy Gorbik - Determination of the accuracy of the method for diagnosing a passenger car by fuel consumption
9. Alexander Dityatiev - Control parameters state gas path turbo chargers
10. Evgen Zenkin - Using feedback algorithms for troubleshooting the engine management system
11. Yuri Zytsev - Estimation of the moment of inertia of mobile parts of a car engine

12. Kateryna Kovtsur - Problems of transport service of trucks at loading and unloading points
13. Krivoschapov Sergey - Influence of operating conditions on fuel consumption of transport vehicles
14. Ihor Marmut - Features of power interaction of a car with a full-supported stand during braking
15. Nikolay Mastepan - Assessment of the level and state of technologies of production of services at the enterprises of the autoservice
16. Serhii Mastepan - System of monitoring of provision of technological processes of maintenance and repair of vehicles by material resources
17. Mikhail Nahliuk - Clarification of terms for replacing antifreeze during bus operation
18. Alexander Ryabushenko - Analysis of changes in road safety indicators in Kharkiv after the reduction of the maximum speed limit
19. Nazarov Alexander - Method of evaluation of wear of brake mechanisms installed on the front axis of cars
20. Viacheslav Pavlenko - Relevance of adjusting the existing system of maintenance of passenger cars
21. Mikhail Podrigalo - Model of pneumatic tire contact with road
22. Irina Saraieva - Diagnostic features of the cylinder piston group of gasoline engines of a car
23. Nataliia Semchenko - Research of the world trend of accident rate
24. Oleksandr Severyn - Determining the acceptable walking distance when servicing cars by parking facilities
25. Vladimir Bezrodny - Vehicle identification using video cameras
26. Alexander Koryak - Evaluation of energy losses in the gearing of different types of gearboxes
27. Mikhail Serafimov - Example structure of the auto technical examination of a traffic accident

15.05.2021 г.

Среци и дискусии на територията на катедра „Транспортна техника и технологии” Технически университет - Варна