

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

ПРОГРАМА

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

“ТРАНСПОРТ, ЕКОЛОГИЯ - УСТОЙЧИВО РАЗВИТИЕ”



**ЕКО ВАРНА '2022
19 – 21 Май 2022**

19.05.2022 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 Rosen Ivanov - Comparative analysis of internal noise of cars with different traction systems
13³⁰ – 13⁴⁵ Georgi Kadikyanov - Faults in vehicle control systems with circulating pulse width modulation signals
13⁴⁵ – 14⁰⁰ Ahmed Ahmed - An integrated model of technical system design: model verification
14⁰⁰ – 14¹⁵ Dancho Gunev - "Shell Eco-marathon" prototype car's kingpin, topology optimization and design thinking
14¹⁵ – 14³⁰ Simeon Iliev - An experimental comparison of emissions of a common-rail diesel engine fueled with ethanol and butanol additives
14³⁰ – 14⁴⁵ Trifon Uzuntonov - Nitrogen oxides in the exhaust gases of a diesel engine when changing the basic algorithm for control of power indicators
14⁴⁵ – 15⁰⁰ Stefan Stefanov - Diagnostics of electronic pressure regulators used in six-speed AF40 automatic transmissions
15⁰⁰ – 15¹⁰ Krassimir Bogdanov - Investigation of the influence of the deviation of the control parameters of a high-speed diesel engine on its economic and ecological indicators.
15¹⁰ – 15²⁰ Krassimir Bogdanov - Investigation of the possibility of operation of a car diesel engine with biodiesel fuel
15²⁰ – 15⁴⁵ Дискусии и кафе пауза

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

- 15⁴⁵ – 16⁰⁰ Asen Asenov - Determination of the most common mistakes by candidates for drivers of category "B" during a practical exam
16⁰⁰ – 16¹⁵ Kamen Ivanov - Analysis of the emergency rescue activity providing transport safety in the aquatorium of the Bulgarian ports located on the Danube river
16³⁰ – 16⁴⁵ Емил Михайлов - Напрежения в бандажите на трамвайните колела при преминаване върху чуждо тяло в улея на релсите
16⁴⁵ – 17⁰⁰ Stefan Tenev - Static characteristic study of a modified crankshaft pulley
17⁰⁰ – 17¹⁵ Radostin Dimitrov – Research on the dynamic qualities of a car
17¹⁵ – 17³⁰ Sergey Kirov - Characteristic defects of elements of the main mechanisms of internal combustion engines during long-term operations
17³⁰ – 17⁴⁵ Plamen Petrov - Analysis of the reasons for destruction of mechanical reinforced low-carbon steel strips used in automotive and construction
17⁴⁵ – 17⁵⁵ Svetlana Lesidrenska -The notion of sustainability in Bulgarian transport sector
17⁵⁵ – 18⁰⁵ Svetlana Lesidrenska - The Entrepreneurship University as a generator of innovation for the development of the regional economy
18⁰⁵ – 18²⁰ Marina Marinova-Stoyanova - Management decision-making algorithm in an expert crisis center for facilitating transport enterprises crisis management
18²⁰ – 18³⁵ Vesela Dicheva - Digital transformation in Bulgarian SMEs

19⁰⁰ Вечеря в ресторанта на хотел Rosslyn Dimyat Hotel Varna
20.05.2022 г.

Конферентна зала ТУ-Варна НУК

Водещ заседанието: д-р инж. Веселин Михайлов

Online session

- 10⁰⁰– 10¹⁵ Sergey Krivoshapov - Change in engine life and maintenance intervals depending on the fuel consumption of the vehicle during operation
- 10¹⁵ – 10³⁰ Javlon Gulyamov - Model of car depot warehouse management
- 10³⁰ – 10⁴⁵ Evgeni Dimitrov - Modeling of gas-diesel duty cycle
- 10⁴⁵ – 11⁰⁰ Evgeni Dimitrov - Oxyhydrogen gas mixtures application for recovery of diesel particulate filters
- 11⁰⁰ – 11¹⁵ Iliya Todorov - Experimental investigation of the dynamic loading of a lifting mechanism
- 11¹⁵ – 11³⁰ Mariana Ivanova - Mathematical modeling of forces and moments operating on the elements of automotive suspension
- 11³⁰ – 11⁴⁵ Ivanka Moneva - Simulation model of kinematics parameters during motor-vehicle acceleration
- 11⁴⁵ – 13⁰⁰ Дискусии и обедна почивка

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

Постерна сесия

1. Kateryna Kovtsur - Problems of organization of targeted delivery on the example of the Ukrainian retail trading network
2. Hennadii Ptytsia - Approach to the traffic safety determination on public roads
3. Yevgeniy Dubinin - Impact of elastic connection in horizontal hinge between sections on articulated wheel machine dynamic position stability
4. Andrei Molodan - Increasing the reliability of operation of solenoid valves in the fuel supply system in the cylinder part shut-off mode
5. Yuriy Gorbik - Simulation of car functioning conditions to determine the engine operating efficiency on special stands
6. Sergey Krivoshapov - Mathematical modeling of harmful emissions of vehicles with gas fuel systems
7. Ihor Marmut - To the question of the powerful interaction of a truck with a roller stand
8. Alexander Nazarov - Resource analysis of disc brake mechanisms of road vehicles
9. O. Bazhinov - Fuzzy robust method for estimation of regression model
10. Bezrodnyi Vladimir - Alternative fuel for petrol engines
11. Vladimir Volkov - Development of the structure and algorithms of the vehicle monitoring system
12. Alexander Dityatiev - The concept of maintenance on condition: a new look
13. Serhii Mastepan - Improvement of the system of the organization of production services at the auto service enterprises
14. M. Mysiura - Research of quality indexes of system cooling engine of passenger car
15. Mikhail Nahliuk - Quality indicators of antifreeze of a bus and correlation with electrical conductivity
16. Vyacheslav Pavlenko - Testing of passenger car suspension testing the car suspension in SolidWorks software package
17. Irina Saraieva - Analysis of possible ways to implement a diagnostic model for dynamic measurement of gas-air mixture pressure

21.05.2022 г.

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