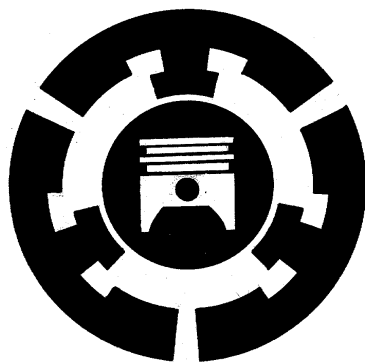


**ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - ВАРНА  
КАТЕДРА “ТРАНСПОРТНА ТЕХНИКА И ТЕХНОЛОГИИ”**

**ПРОГРАМА**

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

**“ТРАНСПОРТ, ЕКОЛОГИЯ - УСТОЙЧИВО РАЗВИТИЕ”**



**ЕКО ВАРНА '2023  
18 – 20 Май 2023**

18.05.2023 г.

12<sup>00</sup> – 13<sup>00</sup> Регистрация на участниците. Конферентна зала на Rosslyn Dimyat Hotel Varna

13<sup>00</sup> – 13<sup>15</sup> Откриване на конференцията от проф. д-р инж. Здравко Иванов

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

13<sup>15</sup> – 13<sup>30</sup> Trifon Uzunov - Optimizing the level of exhaust gas recirculation in a diesel engine, in order to reduce the content of nitrogen oxides with minimal loss of power indicators

13<sup>30</sup> – 13<sup>45</sup> Stefan Stefanov - Diagnostics and problems during operation of eight-speed automatic transmissions of the type AWF8G45

13<sup>45</sup> – 14<sup>00</sup> Krassimir Bogdanov - Investigation of the possibility of operation of a car diesel engine with biodiesel fuel

14<sup>00</sup> – 14<sup>10</sup> Tsvetomir Gechev - Thermodynamic analysis of a SOFC-ICE combined system

14<sup>10</sup> – 14<sup>20</sup> Tsvetomir Gechev - Advances on fuel cell usage as an auxiliary power unit in heavy-duty vehicles

14<sup>20</sup> – 14<sup>35</sup> Yordan Denev - Efficiency of different steel profiles for minimization of ship hull weight when provided necessary section modulus and moment of inertia

14<sup>35</sup> – 14<sup>50</sup> Delyan Petkov - Experimental study of the influence of the addition of fuels from renewable sources on the thermal state of body parts of spark ignition engines

14<sup>50</sup> – 15<sup>05</sup> Plamen Petrov - Analysis of the causes of failure of restored valves of marine engines

15<sup>05</sup> – 15<sup>20</sup> Alexander Nazarov - Development of a methodology and research results for comparing the wear of friction surfaces for disc brakes of passenger cars

15<sup>20</sup> – 15<sup>45</sup> Дискусии и кафе пауза

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

15<sup>45</sup> – 16<sup>00</sup> Roman Varbanets - Advanced marine diesel engines diagnostics for IMO decarbonization compliance

16<sup>00</sup> – 16<sup>15</sup> Iliya Todorov - Investigation of electric hoist dynamic loading depending of the mass inertial torque of its elements

16<sup>30</sup> – 16<sup>45</sup> Vladimir Zhekov - Study of the interaction between the PRSf 2018 rim profile and rail profiles applied in the tram track of the city of Sofia

16<sup>45</sup> – 17<sup>00</sup> Stoyan Stoyanov - Methodology for determining the fuel supply parameters of a gas controller

17<sup>00</sup> – 17<sup>15</sup> Teodora Peneva - An overview of the basic concepts and terms related to manufacturing process capability evaluation

17<sup>15</sup> – 17<sup>30</sup> Ahmed Ahmed - Estimation of engine power utilization for passenger cars with a stepped transmission

17<sup>30</sup> – 17<sup>45</sup> Diyan Dimitrov - Microstructure of surface plastically deformed layers processed with a combined hole machining tool

17<sup>45</sup> – 17<sup>55</sup> Siyka Demirova - Customer satisfaction in the automotive industry. A case study

17<sup>55</sup> – 18<sup>05</sup> Siyka Demirova - An empirical study of customer relationship management in the automotive service industry

18<sup>05</sup> – 18<sup>15</sup> Marina Marinova-Stoyanova - Preventive Anti-Crisis Management of Human Resources in Transport Enterprises

18<sup>15</sup> – 18<sup>25</sup> Marina Marinova-Stoyanova - A Model for Strategic Preventive Anti-Crisis Management in Transport Companies

19<sup>00</sup> Вечеря в ресторанта на хотел Rosslyn Dimyat Hotel Varna

19.05.2023 г.

Конферентна зала ТУ-Варна НУК

Водещ заседанието: доц. д-р инж. Веселин Михайлов

Постерна сесия

1. Yevgen Dubinin - Diagnostics of the technical condition of vehicles engines with neuron networks technology usage
2. Mykhailo Podryhalo - The Use of Scale Modeling in The Design of Planet Rovers
3. Mikhail Nahliuk - Quality study of G11 class antifreezes presented on the Ukraine market
4. Alexander Dityatiev - Features of operation and maintenance of the diesel engine exhaust system
5. Ihor Marmut - Review of modern mobile means of control by technical condition of vehicles
6. Vyacheslav Pavlenko - Determination of optimal standards for managing the technical condition of driving steering
7. Yuriy Gorbik - Influence of non-uniform injection of gasoline by electromagnetic injectors of various technical conditions on the operation of an injection engine
8. Igor Gritsuk - Control of vitrati paliva with vantage cars by the requirements of intelligent transport systems
9. Vladimir Volkov - Peculiarities of training specialists in the implementation of the car recycling system in Ukraine
10. Yuriy Zybtshev - Methods for calibrating the speedometer of a passenger car in road conditions
11. Alexey Bazhinov - Integrated graph of control of vehicle hybrid power plants
12. Mikhail Kravtsov - Electromagnetic hazard of hybrid vehicles
13. Vladimir Bezrodnyi - Effect of the octane number of gasolines on the toxicity of the exhaust gases
14. Serhei Mastepan - Development of a system for assessing the staffing processes of maintenance and repair of cars at enterprises
15. Olena Mastepan - Determination of the level of development of service and repair processes of cars depending on the solvency of consumers
16. Dmytro Savenok - Formation of directions of technical and technological development of vehicle maintenance and repair at enterprises
17. Volodymyr Makarov - Organization of the cost planning process for the quality of services of a car service enterprise
18. Irina Saraieva - Diagnostic features of the cylinder piston group of gasoline engines of a car
19. Sergey Krivoshepov - Features of calculating fuel consumption for equipment that is installed on a vehicle
20. Siyana Zabunova - Investigating the possibilities of nitrocarborizing of cast aluminum alloys in a gas environment

20.05.2023 г.

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