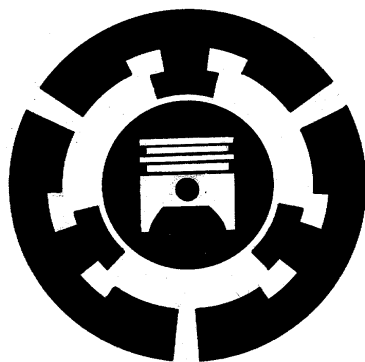


**ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - ВАРНА  
КАТЕДРА “ТРАНСПОРТНА ТЕХНИКА И ТЕХНОЛОГИИ”**

**ПРОГРАМА**

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

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



**ЕКО ВАРНА '2020  
8 – 10 Октомври 2020**

8.10.2020 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 доц. д-р инж. Здравко Иванов
- 13<sup>15</sup> – 13<sup>30</sup> Встъпителен доклад

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

- 13<sup>30</sup> – 13<sup>40</sup> Simeon Iliev - Developing of automatic lap counting system for electric vehicle at Shell Eco-marathon competition
- 13<sup>40</sup> – 13<sup>50</sup> Simeon Iliev - Vehicle's energy efficiency via pilot work's efficiency in Shell Eco-marathon competition
- 13<sup>50</sup> – 14<sup>05</sup> Evgeny Dimitrov - Computer program for indicator diagram processing of the internal combustion engine
- 14<sup>05</sup> – 14<sup>20</sup> Plamen Punov - Study the impact of fuel and exhaust gas recirculation on HCCI combustion
- 14<sup>20</sup> – 14<sup>35</sup> Ahmed Ahmed - An Integrated Model for Designing of Technical Systems: Another Step to Coherence Between Theory and Practice
- 14<sup>35</sup> – 14<sup>45</sup> Stefan Tenev - Alignment optimization of 3d model of propulsion shaft system
- 14<sup>45</sup> – 14<sup>55</sup> Stefan Tenev - Impact of shear forces on variable cross section shaft stiffness
- 14<sup>55</sup> – 15<sup>05</sup> Tihomir Vasilev - Load value verification of crankshaft 3d model according to stiffness matrix boundary conditions
- 15<sup>05</sup> – 15<sup>20</sup> Sergei Belchev - Determination of the stages of the injection process for Common Rail injectors using vibration pulses
- 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> Trifon Uzuntonov - Changes in the fuel supply parameters of the Common Rail injector after prolonged operation
- 16<sup>00</sup> – 16<sup>15</sup> Angel Terziev - Energy efficiency improvement in farming vehicle equipment, for agricultural holdings
- 16<sup>15</sup> – 16<sup>30</sup> Penka Zlateva - Research on the performance characteristics of rapeseed oil for its use as a diesel fuel additive
- 16<sup>30</sup> – 16<sup>45</sup> Stefan Stefanov - Precision vibration measurement systems
- 16<sup>45</sup> – 17<sup>00</sup> Rosen Hristov - Investigation of the electromagnetic field in electric and hybrid cars
- 17<sup>00</sup> – 17<sup>15</sup> Radostin Dimitrov - A SI engine Indicated characteristics determination for gasoline and methane operation
- 17<sup>15</sup> – 17<sup>30</sup> Radostin Dimitrov - Determination brake efficiency of light vehicles
- 17<sup>30</sup> – 17<sup>45</sup> Veselin Mihailov - Characteristics of vacuum solenoid valves in case of various malfunctions
- 17<sup>45</sup> – 18<sup>00</sup> Ivanka Moneva - Investigation upon the operational factors influencing the smoke emissions from diesel engine
- 18<sup>00</sup> – 18<sup>15</sup> Vladimir Korohodskyi - Determining the criteria and the degree of the stratification of the air-fuel charge in a cylinder of a spark-ignition engine during injecting fuel (online)
- 18<sup>15</sup> – 18<sup>30</sup> Alla Yefymenko - The investigation of stability of wheeled vehicle model in curved sections of overpass (online)

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

9.10.2020 г.

Конферентна зала ТУ-Варна НУК

Водещ заседанието: д-р инж. Веселин Михайлов

Online session

- 10<sup>00</sup> – 10<sup>15</sup> Iliya Todorov - Reconditioning of belt conveyor details through vibrating arc overlaying process
- 10<sup>15</sup> – 10<sup>30</sup> Georgi Kadikyanov - A study of some cars dynamic parameters in urban traffic flow
- 10<sup>30</sup> – 10<sup>45</sup> Gergana Staneva - Sound level study of hybrid car
- 10<sup>45</sup> – 11<sup>00</sup> Ievgen Medvediev - A modelling approach to the transport support for the harvesting and transportation complex under uncertain conditions
- 11<sup>00</sup> – 11<sup>15</sup> Sergey Krivoschapov - Calculation methods for determining of fuel consumption per hour by transport vehicles
- 11<sup>15</sup> – 11<sup>30</sup> Olha Sakno - Simulation with using of functional resonance analysis method the traffic safety control of vehicles, which carrying out the transportation process
- 11<sup>30</sup> – 11<sup>45</sup> Jedrzej Matla - Aspect of repeatability in Real Driving Emissions tests regarding to velocity profile
- 11<sup>45</sup> – 12<sup>00</sup> Monika Magdziak-Tokłowicz - Study of urban fuel consumption of a car with a petrol internal combustion engine
- 12<sup>00</sup> – 13<sup>00</sup> Дискусии и обедна почивка

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

Постерна сесия

1. Alexander Ryabushenko - Impact of the reduction of established speed limits in settlements on accident and road traffic fatalities
2. Nataliia Semchenko - Research turning flows movement on signalized intersection
3. Aleksei Stepanov - Analysis of demand for use public transport in the population of ukraine
4. Olha Kholodova - Determining the boundaries of the business downtown on transport network in metropolitan areas
5. Nikolay Mastepan - Formation of a program to ensure the development of processes for maintenance and repair of automobiles at automobile transport enterprises
6. Victoria Ryzhova - The development of the utilization rate of the provided services to improve the quality of maintenance and repair at the enterprises of automobile transport
7. Bezrodnyi Vladimir - Alternative fuel for diesels and gasoline engines
8. Bilohurov Yevhen - Study of the influence of the use of comfort systems on the traction properties of a car by the road method
9. Volkov V.P.- Improvement of the control method technical condition of vehicles
10. Yuriy Gorbik - Studies of the effects of electromagnetic injector contamination on passenger car performance
11. Alexander Dityatiev - About symptoms of malfunctions of turbochargers of diesel engines
12. Евгений Зенкин - Принципы поиска неисправностей в системах управления двигателя с помощью алгоритмов обратных связей
13. Владимир Зуев - Практические рекомендации по оценке уклона дороги навигаторами с барометрическим альтиметром
14. Krivoschapov Sergey - Calculation methods for determining of fuel consumption per hour by transport vehicles
15. Игорь Мармут - Метод определения инерционных масс трансмиссии и колёс автомобиля на роликовом стенде

16. Serhii Mastepan - Formation of directions for the development of automobile transport enterprises
17. Nikolai Misiura - Improvement of test methods for cargo-passenger car on road with an inclination
18. Mikhail Nahliuk - Research of change of quality antifreezes when operating buses
19. Alexander Nazarov - Relative increase of the resource of disc brakes of motor vehicles
20. Вячеслав Павленко - Подход к построению мультиагентной системы при обслуживании автомобильного транспорта
21. Ирина Сараева - Особенности диагностирования цилиндрово-поршневой группы бензиновых двигателей автомобиля
22. Михаил Подригало - Улучшение динамических свойств автомобиля с бесступенчатой коробкой передач
23. Alexandr Polyansk - Control of wheeled machines operational reliability using the intellectual on-board systems
24. Alexandr Polyanskii - Cause and investigative failure analysis in nominal engine operation and partial disabling of cylinders
25. A N Gots - Calculation of the heat-stressed state of the cylinder head of a liquid-cooled diesel engine
26. Ismail Mehmedov - Dynamic characteristics of a modified automotive vibration isolator under asymmetric loading
27. Hristo Hristov - Investigation of a thermal state of a modified automotive vibration isolator type GM2D177

10.10.2020 г.

Срещи и дискусии на територията на катедра „Транспортна техника и технологии“  
Технически университет - Варна