

June 21 - June 22, 2024, USOB "Lazur" - Sozopol

http://tu-sliven.com/Konference/EngNatSci/EngNatSci 2024.html

AGENDA

Section "Mechanical Science, Machine Mechanics, Transport"

Chairman: Assoc. Prof. Eng. Mina Tsoneva, PhD Secretary: Assistant Prof. Eng. Ina Nikolova, PhD

FRIDAY, JUNE 21, 2024	
13:00-13:30	SECTION MEETING Hall 1
13:00-13:10	Milko YORDANOV, Hristo UZUNOV, Silvia DECHKOVA, Vasil UZUNOV- EXPERIMENTAL AND NUMERICAL STUDY OF A STEERING LINKAGE RUPTURE IN A CAR
13:10-13:20	Plamen MATZINSKI, Hristo UZUNOV, Silvia DECHKOVA, Kaloyan DIMITROV - ASSESSMENT OF MOTOR VEHICLE DRIVER BEHAVIOR AND ACCIDENT PREVENTABILITY IN THE EVENT OF A COLLISION RISK WITH A PEDESTRIAN
13:20-13:30	Kaloyan DIMITROV - STATISTICAL MODEL FOR RESEARCH AND ANALYSIS OF THE CURRENT TECHNICAL CONDITION OF TRUCKS

POSTER PAPERS

Mihail MILEV, Ivan DIMITROV, Mina TSONEVA- GEOMETRIC MODEL OF AN ROBOT WITH AN ANTHROPOMORPHIC STRUCTURE

AGENDA

Section "Fluid Mechanics, Heat and Mass Transfer"

Chairman: Prof. Eng. Koicho Atanasov, PhD Secretary: Assistant Prof. Eng. Ivan Ivanov, PhD

FRIDAY, JUNE 21, 2024

13:30-14:10	SECTION MEETING Hall 1
13:30-13:40	Konstantin KOSTOV - EXERGY ANALYSIS OF WASTE HEAT RECOVERY SYSTEMS
13:40-13:45	Neven KRYSTEV, Ivan A. PETROV - EFFECT OF HEAT FLUX DENSITY ON COMBUSTION EFFICIENCY IN THE INITIAL FLARE SECTION















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13:45-13:50 Koycho ATANASOV, Ivan IVANOV - ABILITY TO STUDY THE VELOCITY PROFILE OF A COMPOSITE ISOTHERMAL JET

13:50-14:00 Ivan Denev - ANALYSIS OF ELECTRICITY PRODUCTION IN BULGARIA FOR 2024

Petya DIMITROVA, Petar TINOVSKI - SOME PROBLEMS IN 14:00-14:10 CONNECTING A PHOTOVOLTAIC PARK TO THE ENERGY TRANSMISSION NETWORK OF A MANUFACTURING ENTERPRISE

AGENDA

Section "Electrical engineering, automation and information technologies"

Chairman: Assoc. Prof. Eng. Nikolay Nikolov, PhD Secretary: Assistant prof. Eng. Kremena Dimitrova, PhD

FRIDAY, JUNE 21, 2024	
14:10-14:40	SECTION MEETING Hall 1
14:10-14:20	Gani STAMOV, Militsa KOSTADINOVA-GOCHEVA - ROBUST STABILITY OF SETS FOR UNCERTAIN IMPULSIVE GENE REGULATORY NETWORKS
14:20-14:30	Evgeniya VASILEVA, Ivelina TAKEVA- BEBEROVA - FORECASTING THE GENERATION OF ELECTRICITY FROM A HYBRID SYSTEM
14:30-14:40	Nikolay DIMOV, Dimitar NYAGOLOV, Rosen KRYSTEV - ANALYZING OF CRITICAL POINTS OF CORPORATE NETWORK FOR UPGRADING ITS SCALABILITY

POSTER PAPERS

Symbat SATYBALDY, Dinara BASKANBAYEVA, Nikolay PETROV - IMPLEMENTATION OF AN AUTOMATED EMISSIONS MONITORING SYSTEM AT THE ENTERPRISE

Kremena DIMITROVA, Yuri ZHELYAZKOV, Ivan TORLAKOV - ABOUT CHARACTERISTICS OF THE ASYNCHRONOUS MOTOR

Ekaterina GOSPODINOVA, Cvetelina MIHAILOVA - DIGITAL INFORMATION INFRASTRUCTURE MODAL INTERFACE CONSTRUCTION ALGORITHM

Alexander TOSHKOV - MODELLING AND SIMULATION FRAMEWORKS FOR WIRELESS SENSOR NETWORKS















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Dimitar VASILEV, Alexander TOSHKOV - COMPARISON OF SIMULATORS FOR WIRELESS SENSOR NETWORKS

AGENDA

Section "Materials Science, Mechanical Engineering and Technologies"

Chairman: Prof. Eng. Milko Yordanov, PhD Secretary: Assistant prof. eng. Sylvester Bozherikov

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14:40-15:10	SECTION MEETING	Hall 1
14:40-14:50	Milko YORDANOV - MEASURING CONDITIONS OF MATERIA NANOINDENTATION AND THEIR INFLUENCE ON THE RELIABIT	
14:50-15:00	Krasimir KIROV - QUANTITATIVE X-RAY ANALYSIS OF ALLOYED HIGH-CHROMIUM WHITE CAST IRONS	BORON-

POSTER PAPERS

Yordanka SLAVCHEVA - TECHNICAL DRAWING WITH ENGINEERING GRAPHICS

AGENDA

Section "Tourism, food and textile technologies"

Chairman: Assoc. Prof. Eng. Margaret Sivova, PhD Secretary: Assistant prof. Eng. Tanya Peneva, PhD

FRIDAY, JUNE 21, 2024

15:10-16:00	SECTION MEETING Hall 1
15:10-15:20	Margaret SIVOVA, Tanya PENEVA, Vasil GANEV- THE INTERACTIVE CARPET MADE OF TEXTILE MATERIALS AS AN INNOVATIVE EDUCATIONAL TOOL IN KINDERGARTEN
15:20-15:30	Tanya PENEVA, Margaret SIVOVA- EXPLORING THE RANGE OF FELT PRODUCTS USED IN THE FASHION INDUSTRY















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15:30-15:40	Nikolay TRANCHEV, Margaret SIVOVA, Tanya PENEVA - BASIC TECHNIQUES IN THE CREATION OF FELT NON-WOVEN TEXTILE MATERIAL REGARDING WOOL STRUCTURE AND PROPERTIES
15:40-15:50	Tanyo HRISTOV, Margaret SIVOVA - INTERPRETATION OF THE BULGARIAN NATIONAL COSTUME IN THE COLLECTIONS OF NATIVE DESIGNERS AND FASHION BRANDS
15:50-16:00	Georgi GEORGIEV- INFLUENCE OF INK LAYERS ON THE QUALITY OF

INK JET PRINTED TEXTILE MATERIALS

POSTER PAPERS

Hristo PETROV - CONSTRUCTION FEATURES OF SINGLE-SEAMED SLEEVES FOR WOMEN'S OUTERWEAR

16:00-16:30 **COFFEE BREAK**

AGENDA

Section "Natural Sciences"

Chairman: Prof. Gani Stamov, DSc Secretary: Assistant Prof. Tsvetelina Mihailova, PhD

FRIDAY, JUNE 21, 2024

16:30-16:50	SECTION MEETING Hall 1
16:30-16:40	Todor TODOROV, Petio KELEVEDJIEV - ON THE SOLVABILITY OF A FOURTH-ORDER INITIAL VALUE PROBLEM UNDER BARRIER STRIPS CONDITIONS
16:40-16:50	Gabriela MIHAYLOVA, Petio KELEVEDJIEV- ON THE SOLVABILITY OF A TWO-POINT THIRD-ORDER BOUNDARY VALUE PROBLEM UNDER BARRIER STRIPS











