



**“ANGEL KANCHEV” UNIVERSITY OF RUSE
UNION OF SCIENTISTS – RUSE**

**РУСЕНСКИ УНИВЕРСИТЕТ “АНГЕЛ КЪНЧЕВ”
СЪЮЗ НА УЧЕНИТЕ – РУСЕ**

Sessions Schedule

Програма

65th Annual Science Conference of Ruse University

65^{та} Годишна конференция на Русенския университет

2026 – Ruse, Razgrad, Silistra

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♦ ORGANIZED BY: UNIVERSITY OF RUSE (UR) AND UNION OF SCIENTISTS (US) - RUSE

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- **Biotechnologies and Food Technologies (08-09.11., Razgrad)**
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MESSAGE FROM ORGANIZING COMMITTEE

DEAR CONFERENCE PARTICIPANTS,

University of Ruse and Ruse's Union of Scientists are pleased to welcome you to the 65th Annual International Scientific Conference, which is co-organized by our two institutions. Scientific and plenary sessions are being held respectively in Silistra on October 16, in Ruse – on 23 and 24 October, and in Razgrad, on 6 and 7 November, 2026.

The Booklet includes the program of 352 reports on research findings, which will be presented during all session days and other parallel forum events.

The authors will discuss their views in the following research areas and topics:

Agricultural Machinery and Technologies, Agrarian Sciences and Veterinary Medicine; Maintenance and Reliability; Thermal, Hydro- and Pneumatic Equipment; Ecology and Conservation; Industrial Design; Contemporary Language Education, Methodology, Pedagogy, and Psychology; Linguistics, Literary Studies, History, and Philosophy; Natural, Mathematical, and Technical Sciences; Chemical Technologies; Biotechnologies and Food Technologies; Mechanical Engineering and Machine-building Technologies; Electrical Engineering, Electronics and Automation; Communication and Computer Technologies; Transport and Machine Science; Sustainable and Intelligent Transport Systems, Technologies and Logistics; Economics and Management; European studies and International Security; Mathematics, Informatics and Physics; Education - Research and Innovations; Pedagogy and Psychology; History, Ethnology and Folklore; Linguistics, Literature and Art Science; Health Promotion; Social Work; Medical and Clinical Diagnostic Activities; Health care; Law; National Security; Quality of Higher Education;

We hope that scientific reports and discussions will contribute to deepening the understanding related to various aspects of regional economic transformation based on the implementation of innovative strategies and approaches to new industries, digital economy, society and its relations to business environment and quality of life. The use of systematic thinking is the basis for creating effective applications and best practices in many areas of science and its impact on business development and growth. The projections of the future are threefold in finding lasting trends in the present.

Ruse's Union of Scientists and University of Ruse are characterized by their multi-profile identity, and they cover competencies in all above presented scientific fields and areas of research.

Pending nominations by the Programme Committee, one paper from each section, which have been submitted and presented in English, will be published in Compiled works „Best Paper '26“ on-line on the Conference Website.

After double blind reviewing, papers with significant contribution will be offered for publishing in the journal „Reports of the Union of Scientists – Ruse“ and respective thematic journals, referenced in ERICH+; EBSCO and distributed in many libraries in Bulgaria and abroad.

All the remaining papers, successfully approved by international double-blind reviewing, will be published in the respective series of Proceedings of the University of Ruse, vol. 65, 2026 and on-line on the Conference Website: ISSN 1311-3321 (print); ISSN 2535-1028 (CD-ROM); ISSN 2603-4123 (on-line).

The issue “Proceedings of the University of Ruse” is included in the international ISSN database, available at <https://portal.issn.org/>.

The online edition of “Proceedings of the University of Ruse” is registered in the portal ROAD scientific resources online open access.



The authors have one month to finalize their reports and summaries. The official collections of the conference will be posted online at: <https://conf.uni-ruse.bg>.

Welcome to the 65th edition of the University of Ruse and Ruse's Union of Scientists International Conference at our campus!

Welcome to University of Ruse! We wish you a pleasant and productive stay!

From the co-organizers of the Conference,

▪ **Chair:**

Prof. Desislava Atanasova, PhD - Rector of University of Ruse
Acad. DTSc. Hristo Beloev, DHC mult., Academician of Bulgarian Academy of Sciences -
Chairperson of US - Ruse

▪ **Scientific Secretary:**

Prof. Daniel Bratanov, PhD

PROGRAM OVERVIEW

OCTOBER RESEARCH CONFERENCE IN SILISTRA

Friday 16 October 2026

11:00 – 13:00

Registration

13:00 – 14:00

Plenary session (Room 229)

Keynote speakers:

FRI-229-1-KS(S)-01:

Prof. PhD Valentina Petrova

Topic: Cybersecurity in the Educational Environment: Challenges, Risks, and Best Practices

14:00 – 15:20

Parallel Scientific Events:

FRI-229-1-LLSHP(S)

Linguistics, Literary Studies, History, and Philosophy (Room 229)

Session Chair: Rumiana Lebedova

15:20 – 15:40

Discussion

14:00 – 15:00

Parallel Scientific Events:

FRI-110-1-CLEMPP(S)

Contemporary Language Education, Methodology, Pedagogy, and Psychology (Room 110)

Session Chair: Galina Lecheva

15:00 – 15:20

Discussion

15:20 – 15:30

Coffee-break

14:00 – 15:00

Parallel Scientific Events:

FRI-231-1-NMTS(S)

Natural, Mathematical, and Technical Sciences (Room 231)

Session Chair: Konstantin Koev

15:00 – 15:20

Discussion

15:20 – 15:30

Coffee-break

15:30 – 16:40

Parallel scientific events:

FRI-110-2-CLEMPP(S)

Contemporary Language Education, Methodology, Pedagogy, and Psychology (Room 110)

Session Chair: Galina Lecheva

16:40 – 17:00

Discussion

15:30 – 16:20

Parallel scientific events:

FRI-231-2-NMTS(S)

Natural, Mathematical, and Technical Sciences (Room 231)

Session Chair: Konstantin Koev

16:20 – 16:40

Discussion

16:40 – 16:50

Coffee-break

16:50 – 18:00

Parallel scientific events:

FRI-231-3-NMTS(S)

Natural, Mathematical, and Technical Sciences (Room 231)

Session Chair: Konstantin Koev

18:00 – 18:20

Discussion

OCTOBER RESEARCH CONFERENCE IN RUSE

Friday 23 October 2026

11:00 – 13:00

Registration - room 1.322

13:30 – 16:00

Opening and Plenary Session - Hall „Werner von Siemens“ 2G.204

Session Chair: Prof. Daniel Bratanov, PhD

Key Speakers:

FRI-2G.204FS-01:

Assoc. Prof. Dimitar Nikolov

Technical University of Sofia

Topic: *Microelectronics Beyond Moore's Law. Challenges and Opportunities for Bulgaria*

FRI-2G.204FS-02:

Beatrice LEUȘTEAN Ph.D.

National University of Science and Tehchnology POLITEHNICA Bucharest

Topic: *Challenges derived from the sustainability data's quality and availability for the managerial decision making*

FRI-2G.204FS-03:

Dimitar Petrov Dimitrov

Chairman of Management Board / Health and Life Sciences Cluster

Topic: *From Lab to Venture: AI, Deep Tech and the New Technology Transfer Model*

WORKSHOP

Kristina Eskenazi

Chair of the Biotechnology and Health Cluster

Topic: *Personalised Medicine 2030: Artificial Intelligence, Health Data and Opportunities for Innovation*

16:30 – 18:30

Parallel Scientific Sessions:

FRI-8.303B-1-AMT&ASVM

Agricultural Machinery and Technologies, Agrarian Science and Veterinary Medicine (Room 8.303b)

Session Chair: Atanas Atanasov; Tel.: 088 549 7406

FRI-1.202-1-MR

Maintenance and Reliability (Room 1.202)

Session Chair: Mitko Nikolov; Tel.: 082 888 458

FRI-9.2-1-THPE

Thermal, Hydro- and Pneumatic Equipment (Room 9.2)

Session Chair: Gencho Popov; Tel.: 082 888 441

FRI-19.206-1-EC

Ecology and Conservation (Room 19.206)

Session Chair: Plamen Manev; Tel.: 088 938 2797

FRI-16.203-1-ID

Industrial Design (Room 16.203)

Session Chair: Yordan Doychinov; Tel: 088 727 3040

FRI-1.317-1-MEMBT

Mechanical Engineering and Machine-Building Technologies (Room 1.317)

Session Chair: Ivelin Ivanov

FRI-10.326-1-EEEE

Electrical Engineering, Electronics and Automation (Room 10.326)

Session Chairs: Boris Evstatiev, Kiril Sirakov

FRI-2G.303-1-CCT1

Communication and Computer Technologies 1 (Room 2G.303)

Session Chair: Tsvetozar Georgiev, Yordan Kalmukov

FRI-2G.302-1-CCT2

Communication and Computer Technologies 2 (Room 2G.302)

Session Chairs: Plamen Zahariev, Adriana Borodzhieva

FRI-K2-1-TMS

Transport and Machine Science (Room 20.23)

Session Chair: Toncho Balbuzanov, Mihail Milchev

FRI-20.21-1-SITSTL

Sustainable and Intelligent Transport Systems, Technologies and Logistics (Room 20.21)

Session Chair: Toncho Balbuzanov, Mihail Milchev

FRI-20.21-2-SITSTL	Sustainable and Intelligent Transport Systems, Technologies and Logistics (Room 20.21) <i>Session Chair: Toncho Balbuzanov, Mihail Milchev</i>
FRI-2B.412-1-EM1	Economics and Management 1 (Room 2B.412) <i>Session Chairs: Anton Nedyalkov, Igor Sheludko</i>
FRI-2G.404-1-EM2	Economics and Management 2 (Room 2G.404) <i>Session Chairs: Aleksandar Kosuliev, Elizar Stanev</i>
FRI-2G.510-1-ESIS	European Studies and International Security (Room 2G.510) <i>Session Chair: Vladimir Chukov, Eva Parvanova</i>
FRI-1.322-1-SW	Social Work (Room 1.322) <i>Session Chairs: Ana Popova</i>
FRI-1.414-1-MIP	Mathematics, Informatics and Physics (Room 1.414) <i>Session Chair: Tzvetomir Vassilev</i>
FRI-2G.407-1-ERI	Education - Research and Innovations (Room 2G.407) <i>Session Chair: Ralica Vasileva</i>
FRI-1.313-1-PP	Pedagogy and Psychology (Room 1.313) <i>Session Chair: Galina Georgieva</i>
FRI-2G.305-1-LLA	Linguistics and Literature (Room 2G.305) <i>Session Chair: Velislava Doneva</i>
FRI-1.307-1-BCHH(T)	Bulgarian Cultural and Historical Heritage (Taraclia) (Room 1.307) <i>Session Chair: Nadezhda Gaidarzhi</i>
FRI-1.307-1-IR(T)	Interdisciplinary Research (Taraclia) (Room 1.307) <i>Session Chair: Veronika Veliksar</i>
FRI-1.307-1-MC(T)	Modern Challenges (Taraclia) (Room 1.307) <i>Session Chair: Maria Kolar</i>
FRI-2K.201-1-HP	Health Promotion (Room 2K.201) <i>Session Chair: Stefka Mindova</i>
FRI-2G.507-1-MCDA	Medical and Clinical Diagnostic Activities (Room 2G.507) <i>Session Chair: Denitsa Trancheva</i>
FRI-2.101-1-HC	Health Care (Room 2.101) <i>Session Chair: Tsveta Hristova</i>
FRI-2B.313-1-L	Law (Room 2B.313) <i>Session Chair: Elitsa Kumanova</i>
FRI-2B.312-1-NS	National Security (Room 2B.312) <i>Session Chair: Milen Ivanov</i>

19:30 – 23:00

Ball of Scientists – Grand Hotel Riga

Saturday 24 October 2026

SAT-2B.412-1-EM1	Economics and Management 1 (Room 2B.412) <i>Session Chairs: Anton Nedyalkov, Igor Sheludko</i>
SAT-2B.313-1-L	Law (Room 2B.313) <i>Session Chair: Elitsa Kumanova</i>
SAT-2B.313-2-L	Law (Room 2B.313) <i>Session Chair: Elitsa Kumanova</i>
SAT-2B.312-1-NS	National Security (Room 2B.312) <i>Session Chair: Milen Ivanov</i>

NOVEMBER RESEARCH CONFERENCE IN RAZGRAD

Friday 06 November 2026

09:00 – 13:00

Registration (Hotel Les - lobby bar)

11:00 – 12:30

Opening, Plenary Session: Large Conference Room

Session Chair: Prof. Tsvetan Dimitrov, PhD

FRI-LCR-KS(R)-01:

Prof. Angel Smrikarov, PhD

Assoc. Prof. Galina Ivanova, PhD

"Angel Kanchev" University of Ruse, Ruse, Bulgaria

Presentation of the Concept / Programme for the Use of Artificial Intelligence in Education

FRI-LCR-KS(R)-02:

Assoc. Prof. Tatyana Yoncheva, PhD

Institute of Viticulture and Enology - Pleven, Bulgaria

Assoc. Prof. Nikolay Stoyanov, PhD

University of Food Technologies - Plovdiv, Bulgaria

Climate change and its impact on wine composition

13:30 – 16:00

Parallel scientific events: Large Conference Room

FRI-LCR-1-CT(R)

Chemical Technologies

Session Chair: Assoc. Prof. Iliana Nikolova, PhD

FRI-LCR-1-BFT(R)

Biotechnologies and Food Technologies

Session Chair: Ch. Asst. Prof. Darina Georgieva, PhD

16:00 – 17:00

Parallel Poster Sessions: Large Conference Room

FRI-LCR-P-1-CT(R)

Chemical Technologies

Session Chair: Prof. Tsvetan Dimitrov, PhD

FRI-LCR-P-2-BFT(R)

Biotechnologies and Food Technologies

Session Chair: Prof. Stanka Damyanova, DSc

SESSION SCHEDULE

OCTOBER RESEARCH CONFERENCE IN SILISTRA

Friday 16 October 2026

11:00 – 13:00

Registration

13:00 – 13:50

Plenary session (Room 229)

Keynote speakers:

FRI-229-1-KS(S)-01:

Assoc. Prof. Ph.D. Valentina Petrova

Nikola Vaptsarov Naval Academy

Topic: Cybersecurity in the Educational Environment: Challenges, Risks, and Best Practices

13:50 – 14:00

Coffee-break

14:00 – 15:20

Parallel Scientific Events:

FRI-229-1-LLSHP(S)

Linguistics, Literary Studies, History, and Philosophy (Room 229)

Session Chair: Rumiana Lebedova

Online participation link: <https://meet1.uni-ruse.bg/b/kp9-jjv-kwr/>

FRI-229-1-LLSHP(S)-01:

The Opposition in the Elections for the Sixth Grand National Assembly in Silistra District: From an Unrecognized Electoral Victory to Political Defeat (1946–1947)

Natalia Mincheva

FRI-229-1-LLSHP(S)-02:

Political Satire in Bulgaria and Romania in the Late Nineteenth Century: Aleko Konstantinov and Ion Luca Caragiale

Silvia Angelova

FRI-229-1-LLSHP(S)-03:

Syntactic Modeling of the Vision of the Future in Ivan Vazov's The Last Day of the Twentieth Century

Donka Ilieva

FRI-229-1-LLSHP(S)-04:

The Problem of the Individual and Power in Ivaylo Petrov's Novel *Wolf Hunt*

Rumyana Lebedova

FRI-229-1-LLSHP(S)-05:

Past Memories for Today's Citizens

Alina Kostya

FRI-229-1-LLSHP(S)-06:

Lexical Asymmetry Between the Bulgarian Word *stena*, the French Word *mur*, and Their Synonyms

Nevena Stoyanova

FRI-229-1-LLSHP(S)-07:

From a Foreign Language to Real-Life Communication: A New Approach to Foreign Language Teaching in a Digital and Multicultural Environment

Diana Bebenova-Nikolova

FRI-229-1-LLSHP(S)-08:

Functional and Structural Features of Exclamative Sentences in French and Bulgarian

Veska Kirilova

15:20 – 15:40

Discusion

14:00 – 15:00	Parallel Scientific Events:
FRI-110-1-CLEMPP(S)	Contemporary Language Education, Methodology, Pedagogy, and Psychology (Room 110) <i>Session Chair: Galina Lecheva</i> <i>Online participation link: https://exam1-bbb.uni-ruse.bg/b/9m4-nxb-iw3-tbm</i>
FRI-110-1-CLEMPP(S)-01:	Some Innovative Methods for Using AI in Humanities Education Ivelin Iliev
FRI-110-1-CLEMPP(S)-02:	Language Mediation Skills as a Foundation for Developing Intercultural Competence Diana Zhelezova
FRI-110-1-CLEMPP(S)-03:	Orchestrating Meaning: Multimodality as a Cognitive and Didactic Approach in the Digital Era Galina (Lina) Lecheva
FRI-110-1-CLEMPP(S)-04:	Innovative Teaching Techniques at the University and in the Real-World Working Environment: The School Gergana Staneva
FRI-110-1-CLEMPP(S)-05:	Teaching Ancient Literature by a PhD in Bulgarian Language Maria Tomova
FRI-110-1-CLEMPP(S)-06:	An Innovative Literature Lesson: Antoine de Saint-Exupéry's The Little Prince Hristina Shegeva
15:00 – 15:20	Discussion
15:20 – 15:30	Coffee-break
14:00 – 15:00	Parallel Scientific Events:
FRI-231-1-NMTS(S)	Natural, Mathematical, and Technical Sciences (Room 231) <i>Session Chair: Konstantin Koev</i> <i>Online participation link: https://meet1.uni-ruse.bg/b/fxk-a3q-uxx</i>
FRI-231-1-NMTS(S)-01:	Colour Appearance Models CIECAM16 and CAM16-UCS: Principles, Parameters and Applications to Ceramic Materials Nina Nedeva, Milen Dimov
FRI-231-1-NMTS(S)-02:	Dimensional Measurement Using 3D Scanning Asparuh Atanasov
FRI-231-1-NMTS(S)-03:	Types of Additive Manufacturing for Gear Production Gergana Atanasova
FRI-231-1-NMTS(S)-04:	Measurement and Analysis of Vibrations in a Berti Mulching Machine Vasil Dimitrov
FRI-231-1-NMTS(S)-05:	Investigation of Loads on Cardan Joints in Agricultural Machinery and Methods for Their Measurement Todor Todorov, Svilen Stoyanov
FRI-231-1-NMTS(S)-06:	Pressure Measurement for Precision Agriculture Applications Svilen Stoyanov
15:00 – 15:20	Discussion
15:20 – 15:30	Coffee-break
15:30 – 16:40	Parallel scientific events:
FRI-110-2-CLEMPP(S)	Contemporary Language Education, Methodology, Pedagogy, and Psychology (Room 110) <i>Session Chair: Galina Lecheva</i> <i>Online participation link: https://exam1-bbb.uni-ruse.bg/b/9m4-nxb-iw3-tbm</i>
FRI-110-2-CLEMPP(S)-01:	The Functional Potential of the Digital Textbook in Teaching History and Civilizations in Grade 6 Daniela Hristova

FRI-110-2-CLEMPP(S)-02:	Methodological Approaches and Practical Tasks for Using Artificial Intelligence in Teaching History and Civilizations Daniela Hristova
FRI-110-2-CLEMPP(S)-03:	The Philosophical Question as a Teaching Technique in Secondary School Philosophy Education Petar Uzunov
FRI-110-2-CLEMPP(S)-04:	The Psychological and Pedagogical Profile of a Child from a Family Affected by Alcohol Dependence: Identifying the Problem and Developing Support Strategies in an Educational Environment Daniela Krasimirova, Krasimir Kostadinov
FRI-110-2-CLEMPP(S)-05:	Applying Critical Reading Strategies in Literature Teaching: A Study of Pencho Slaveykov's Narrative Poem <i>Ralitsa</i> Mirena Zaneva
FRI-110-2-CLEMPP(S)-06:	Exploring the Art of Understanding Beyond Psycholinguistic Responses in the Classroom Margarita Pavlova
FRI-110-2-CLEMPP(S)-07:	The Imprint of the Present and Models of the Future in the Contemporary Classroom Petya Gencheva
16:40 – 17:00	Discusion
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15:30 – 16:20	Parallel scientific events:
FRI-231-2-NMTS(S)	Natural, Mathematical, and Technical Sciences (Room 231) Session Chair: Konstantin Koev Online participation link: https://meet1.uni-ruse.bg/b/fxk-a3q-uxx
FRI-231-2-NMTS(S)-01:	Artificial Intelligence as a Content Generator and Detector Evgenia Goranova
FRI-231-2-NMTS(S)-02:	Structural Restoration of a Coil-Winding Device Desislava Mihaylova, Iliyan Iliev
FRI-231-2-NMTS(S)-03:	Some Specific Aspects of Coding Injectors in Common Rail Diesel Fuel Injection Systems Valentin Manev, Milen Sapundzhiev
FRI-231-2-NMTS(S)-04:	Changes in Selected Energy and Dynamic Performance Indicators of Electric Vehicles over the Period 2011–2026 Milen Sapundzhiev, Valentin Manev
FRI-231-2-NMTS(S)-05:	Investigation of the Electrical Loads of a High-Power Induction Furnace Konstantin Koev
16:20 – 16:40	Discusion
16:40 – 16:50	Coffee-break
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16:50 – 18:00	Parallel scientific events:
FRI-231-3-NMTS(S)	Natural, Mathematical, and Technical Sciences (Room 231) Session Chair: Konstantin Koev Online participation link: https://meet1.uni-ruse.bg/b/fxk-a3q-uxx
FRI-231-3-NMTS(S)-01:	Psychosomatic Factors in the Workplace and Their Impact on Product Quality Sabka Atanasova, Metodi Mladenov
FRI-231-3-NMTS(S)-02:	Integrating Paper Engineering and Physical Computing: A Model for STEAM Education in Primary School Using Tunnel Books, Makey Makey and Scratch Kristina Ilieva-Stoycheva
FRI-231-3-NMTS(S)-03:	Improvements in the Storage and Transportation of Feed Mixtures on a Pig Farm Nikolay Valov, Martin Deyanov, Nikolay Mihaylov, Boris Evstatiev
FRI-231-3-NMTS(S)-04:	Modelling and Analysis of an Induction Motor with Slip Compensation Kaloyan Totev, Donka Ivanova, Gencho Popov

FRI-231-3-NMTS(S)-05:	Optimization Methods for Modelling and Analysing Fluid Transport Systems Kaloyan Totev
FRI-231-3-NMTS(S)-06:	A Graphical Method for Optimizing the Parallel Operation of Power Transformers with Different Rated Powers Vyara Ruseva, Anka Krasteva
FRI-231-3-NMTS(S)-07:	Methods and Systems for Reducing and Optimizing Electrical Power and Energy Losses Vyara Ruseva, Anka Krasteva
18:00 – 18:20	Discussion

OCTOBER RESEARCH CONFERENCE IN RUSE

Friday 23 October 2026

11:00 – 13:00

Registration - room 1.322

13:30 – 16:00

Opening and Plenary Session - Hall „Werner von Siemens“ 2G.204

Session Chair: Prof. Daniel Bratanov, PhD

Key Speakers:

FRI-2G.204FS-01:

Assoc. Prof. Dimitar Nikolov

Technical University of Sofia

Topic: Microelectronics Beyond Moore's Law. Challenges and Opportunities for Bulgaria

FRI-2G.204FS-02:

Beatrice LEUȘTEAN Ph.D.

National University of Science and Tehchnology POLITEHNICA Bucharest

Topic: Challenges derived from the sustainability data's quality and availability for the managerial decision making

FRI-2G.204FS-03:

Dimitar Petrov Dimitrov

Chairman of Management Board / Health and Life Sciences Cluster

Topic: From Lab to Venture: AI, Deep Tech and the New Technology Transfer Model

WORKSHOP:

Kristina Eskenazi

Chair of the Biotechnology and Health Cluster

Topic: Personalised Medicine 2030: Artificial Intelligence, Health Data and Opportunities for Innovation

16:30 – 18:30

Parallel Scientific Sessions, Room 8.303b

FRI-8.303b-1-AMT&ASVM

Agricultural Machinery and Technologies, Agrarian Science and Veterinary Medicine

Session Chair: Atanas Atanasov; Tel.: 088 549 7406

FRI-8.303b-1-AMT&ASVM-01:

A unified terminological and kinematic framework for modelling agricultural field movement patterns

Kalin Hristov

FRI-8.303b-1-AMT&ASVM-02:

Techno-economic assessment of a three-level modular hydroponic system for indoor tomato seedling production

Neiko Nikolov

FRI-8.303b-1-AMT&ASVM-03:

Methodology for assessing greenhouse gas emissions from soil under different tillage practices on leached chernozem

Maya Zlatanova

FRI-8.303b-1-AMT&ASVM-04:

Study of weeding dynamics and selectivity of modern herbicides in maize line 26A on highly leached black soil

Svetlana Stoyanova, Dimitriya Ilieva

FRI-8.303b-1-AMT&ASVM-05:

Effects of biostimulants and nitrogen fertilization on yield and cell wall components of spring oat cultivar „Aleksi“ (Avena sativa L.)

Ivo Turfandov, Galina Dyakova

FRI-8.303b-1-AMT&ASVM-06:

Mobile field laboratory equipped with wind tunnel

Lyuboslav Yordanov

FRI-8.303b-1-AMT&ASVM-07:

Adaptation of conventional agriculture in Bulgaria. Testing of a strip-tillage implement

Daniel Petrov

FRI-8.303b-1-AMT&ASVM-08:

Methodology for comprehensive assessment of energy and economic performance indicators of lighting installations in agricultural farms

Sadetin Basri

FRI-8.303b-1-AMT&ASVM-09:	A theoretical model for optimizing supplemental led lighting in greenhouses based on available natural light Evgeni Enchev
FRI-8.303b-1-AMT&ASVM-10:	Automatic irrigation system in greenhouse production Barash Behched, Evgeni Enchev, Sadetin Basri, Iliyana Ivanova

16:30 – 18:30	Parallel Scientific Sessions, Room 1.202
FRI-1.202-1-MR	Maintenance and Reliability Session Chair: Mitko Nikolov; Tel.: 082 888 458
FRI-1.202-1-MR-01:	Trends and prospects in the development of welding and surfacing Todor Todorov
FRI-1.202-1-MR-02:	Innovative technologies for applying restorative coatings, as well as for protecting and enhancing the surface characteristics of components Todor Todorov
FRI-1.202-1-MR-03:	Optimization of a nozzle for vibro-arc surfacing with dual-layer gas shielding Todor Todorov
FRI-1.202-1-MR-04:	Methods for reconditioning components of cam and linkage mechanisms - A review Vladimir Grozdanov, Mitko Nikolov
FRI-1.202-1-MR-05:	Development of machinery repair in the 21st century Mitko Nikolov, Todor Todorov
FRI-1.202-1-MR-06:	Investigation of the effect of surfacing speed on electrical parameters during vibro-arc surfacing of cast iron parts in CO ₂ Mitko Nikolov, Todor Todorov

16:30 – 18:30	Parallel Scientific Sessions, Room 9.2
FRI-9.2-1-THPE	Thermal, Hydro- and Pneumatic Equipment Session Chair: Gencho Popov; Tel.: 082 888 441
FRI-9.2-1-THPE-01:	Comparative analysis of methods for improving the characteristics of horizontal axis wind turbines Hristo Zhekov
FRI-9.2-1-THPE-02:	Methodology for investigation of a laboratory combined gas, heat pump, and solar thermal Installation, operating with a hydraulic separator Plamen Mushakov, Pencho Zlatev, Zhivko Kolev
FRI-9.2-1-THPE-03:	Investigation of a laboratory combined heat pump and solar thermal installation, operating with a solar buffer tank – Part 1 Zhivko Kolev, Pencho Zlatev, Plamen Mushakov
FRI-9.2-1-THPE-04:	Investigation of a laboratory combined heat pump and solar thermal installation, operating with a solar buffer tank – Part 2 Pencho Zlatev, Zhivko Kolev, Plamen Mushakov
FRI-9.2-1-THPE-05:	Opportunities for improving energy efficiency in silo facility for the storage of agricultural produce Ivan Denev, Ivan Ivanov
FRI-9.2-1-THPE-06:	A study of solar radiation and an assessment of the potential for its utilisation in the Sliven area Konstantin Kostov, Ivan Ivanov, Atanas Atanasov
FRI-9.2-1-THPE-07:	Possibilities for controlling the combustion process in an injection mixer Neven Krystev, Ivan Petrov
FRI-9.2-1-THPE-08:	Dynamic model and structural diagrams of a complex safety valve Krasimir Ormandzhiev, Kaloyan Tanev
FRI-9.2-1-THPE-09:	European standards for energy efficiency of pumps and pump systems for fluid transport Redzheb Karasyuleymanov, Gencho Popov, Boris Kostov

16:30 – 18:30	Parallel Scientific Sessions, Room 19.206
FRI-19.206-1-EC	Ecology and Conservation Session Chair: Plamen Manev; Tel.: 088 938 2797
FRI-19.206-1-EC-01:	Climatic features and their influence on the functioning of the Yantra River geosystem Yordan Georgiev
FRI-19.206-1-EC-02:	A study of the effectiveness of a combined quartz-charcoal filter for removing pollutants from wastewater in the paper industry Margaritka Filipova, Laila Kalimoldina, Kairat Zhalgasbayev
FRI-19.206-1-EC-03:	Environmental measures to protect soil fertility when growing wheat Denitsa Voycheva
FRI-19.206-1-EC-04:	Analysis and assessment of the noise load in the urbanized territory of the city of Ruse in 2025 Syuzgyan Ismailova, Lyubomir Vladimirov
FRI-19.206-1-EC-05:	Crisis management and environmental security in the design of technical reclamation of a non-hazardous waste cell at the regional landfill (Razgrad, Loznica, Ispcrih, Zavet, Kubrat, Samuil and Tsar Kaloyan) Lyubomir Stoilov, Lyubomir Vladimirov
FRI-19.206-1-EC-06:	Analysis of the status and capacity of the infrastructure for the recovery of biodegradable waste in Bulgaria Vasilena Milkova, Plamen Manev
FRI-19.206-1-EC-07:	Conflict of alternatives in the just transition: A spatial planning analysis between photovoltaic power plant construction and agricultural land reclamation in the “Maritsa-East” Complex Krasimir Gospodinov
FRI-19.206-1-EC-08:	Integrating ecodesign principles into design through the experimental development of composite materials from textile waste Rositsa Stoyanova
FRI-19.206-1-EC-09:	Environmental and radiological risks associated with the operation of small modular reactors Stefko Burdzhiev
FRI-19.206-1-EC-10:	Psychoacoustic aspects of sound signaling in the passenger compartment of a passenger car in relation to road safety Nikolay Kovachev
FRI-19.206-1-EC-11:	Minimum tillage as a factor for improving the ecological condition of soils Ventsislav Dobrinov
FRI-19.206-1-EC-12:	Comparative analysis of atmospheric air pollution with PM10 in the cross-border region Bulgaria - Romania Irina Minkova
FRI-19.206-1-EC-13:	Comparative analysis of atmospheric air pollution with gaseous substances in the cross-border region Bulgaria - Romania Mariana Nikolova
16:30 – 18:30	Parallel Scientific Sessions, Room 16.203
FRI-16.203-1-ID	Industrial Design Session Chair: Yordan Doychinov; Tel: 088 727 3040
FRI-16.203-1-ID-01:	The golden ratio, herodotus, and the great pyramid: Sources and interpretations Yordan Doychinov
FRI-16.203-1-ID-02:	Digital transformations in printmaking. Rediscovering the “Drypoint” technique through 3D texturing and CNC engraving Desislav Gechev, Kamen Uzunov
FRI-16.203-1-ID-03:	Taxonomy and scope of artificial intelligence in the modern design process Kamen Uzunov, Desislav Gechev, Silvia Tcheparova

FRI-16.203-1-ID-04:	Perspectives and challenges in the integration of artificial intelligence into graphic design education: Results from an empirical study Silvia Tcheparova
FRI-16.203-1-ID-05:	Systematic review and comparative analyse of current industrial design processes and models Nikola Georgiev
FRI-16.203-1-ID-06:	Visual identity in cigarette packaging under regulatory constraints Vania Karaivanova, Yordan Doychinov

16:30 – 18:30	Parallel Sessions, Room 1.219
FRI-1.219-1-MEMT	Mechanical Engineering and Machine-building Technologies Session Chairs: Rossen Radev
FRI-1.219-1-MEMT-01:	Development and Experimental Investigation of a Prototype Ball Burnishing Tool for Surface Enhancement of 7000-Series Aluminum Alloys Hüsnü Can Alcan, Beyza Avcı, Ibrahim Savas Dalmis
FRI-1.219-1-MEMT-02:	Design and Experimental Optimization of a Prototype Ball Burnishing Tool for Turning of Sae 1050 Steel Eren Yıldız, Beyza Avcı, Ibrahim Savas Dalmis
FRI-1.219-1-MEMT-03:	Investigation of the Influence of Force-Induced Deformations on Accuracy and Shape During Turning Svetlana Koleva, Nikolay Nikolov
FRI-1.219-1-MEMT-04:	Configuration of a Training System Based on Universal Industrial Robot Rumyana Bratanova
FRI-1.219-1-MEMT-05:	Computer-Aided Solving and Visualizing of the Resultant Force Problem Svetlin Stoyanov
FRI-1.219-1-MEMT-06:	A Review of Guideways in CNC Machine Tools Nikolay Stankov
FRI-1.219-1-MEMT-07:	Friction Stir Welding of AA7075-T651 Aluminum Alloy Joints Using Different Tools and Welding Speeds Daniela Nenova, Danail Gospodinov, Nikolay Ferdinandov, Veselin Dimitrov
FRI-1.219-1-MEMT-08:	Influence of Johnson–Cook Constitutive Model Parameters on the Finite Element Simulation of Uniaxial Tension in EN AW 1050 Aluminium Ivo Draganov
FRI-1.219-1-MEMT-09:	An Analysis of the Electrochemical Mechanism Assumption and Recalibration of the ± 85 MV Criterion for Corrosion Inhibitor Classification of Aluminum in Neutral Media Mariana Ilieva

16:30 – 18:30	Parallel Sessions, Room 10.326
FRI-10.326-1-EEEE	Electrical Engineering, Electronics and Automation Session Chairs: Prof. Boris Evstatiev, Assoc. Prof. Kiril Sirakov
FRI-10.326-1-EEEE-01:	Design of the Electric Drive System of a Rigid Four-Track Ground Robot for Victim Detection in Search-and-Rescue Operations Yanko Boyanov
FRI-10.326-1-EEEE-02:	A New Generation of Plant Phenophase Forecasting Using Artificial Intelligence, Remote Sensing, and Hybrid Approaches Svetoslav Petrov, Tsvetelina Georgieva, Plamen Daskalov
FRI-10.326-1-EEEE-03:	Aquaphotomics for Non-Invasive Precise Agriculture Diagnostics - Classification Methodologies, Challenges, and Roadmaps Jasmina Krasteva, Tsvetelina Georgieva, Plamen Daskalov
FRI-10.326-1-EEEE-04:	Experimental Study of the Performance and Efficiency of a Smart Home Monitoring and Automation System Vladimir Tsankov, Tsvetelina Kaneva, Irena Valova, Boris Evstatiev

FRI-10.326-1-EEEE-05:	Analysis of the Factors Affecting the Performance of Photovoltaic Systems and Technologies for Their Mitigation Ina Angelova, Seher Kadirova, Boris Evstatiev
16:30 – 18:30	Parallel Sessions, Room 2G.303
FRI-2G.303-1-CCT1	Communication and Computer Technologies 1 Session Chairs: Prof. Tsvetozar Georgiev, Assoc. Prof. Yordan Kalmukov
FRI-2G.303-1-CCT1-01:	An Educational Cache Memory Model Nikolay Kostadinov
FRI-2G.303-1-CCT1-02:	ARCAUNT: Remote Electronic Voting with Anonymous Credential Recovery - A Comparison with Paper and Machine Voting Tzanko Golemanov, Emilia Golemanova
FRI-2G.303-1-CCT1-03:	The Offline Digital Euro: What Remains After Secure-Element Compromise? Tzanko Golemanov, Emilia Golemanova
FRI-2G.303-1-CCT1-04:	Comparative Analysis of XGBoost, LightGBM, and CatBoost Algorithms for Parking Occupancy Prediction Using Real-World Parking Data Svetlana Stefanova, Bojidar Bratoev
FRI-2G.303-1-CCT1-05:	Application of Artificial Intelligence for the Identification and Prediction of Phytopathological Diseases in Tomato Plants Sezen Dermendzhiev, Georgi Krastev
FRI-2G.303-1-CCT1-06:	Development of an Administrative Chatbot Using BgGPT and Llama Large Language Models with .NET and Model Context Protocol (MCP) Kalina Nikiforova-Ilieva, Tsvetozar Georgiev
FRI-2G.303-1-CCT1-07:	Testing and Real-World Evaluation of an Administrative Chatbot: User Attitudes, Feedback, and Recommendations for Improvement Kalina Nikiforova-Ilieva, Tsvetelina Stefanova
FRI-2G.303-1-CCT1-08:	Confidence Versus Evidence: Evaluating Abstention Strategies for Automated Fact-Checking of Bulgarian Claims Tsvetelina Stefanova, Tsvetozar Georgiev
FRI-2G.303-1-CCT1-09:	Quantum Computing for Business Optimization: Current Readiness and Promising Algorithms Lyudmil Radulov
FRI-2G.303-1-CCT1-10:	Beyond the Benchmark Score: How to Know if Your PC Is Really Outdated Yordan Kalmukov
16:30 – 19:00	Parallel Sessions, Room 2G.302
FRI-2G.302-1-CCT2	Communication and Computer Technologies 2 Session Chairs: Prof. Plamen Zahariev, Assoc. Prof. Adriana Borodzhieva
FRI-2G.302-1-CCT2-01:	Synthesis of Voice Recognition Models by K-NN, SVM, ANFIS, NAÏVE BAYES and GRNN Instruments Ivelina Balabanova, Georgi Georgiev, Toni Naydenov
FRI-2G.302-1-CCT2-02:	Development of Accessible Educational Modules for Practical Training in Automation and Industrial Communications Ventsislav Keseev
FRI-2G.302-1-CCT2-03:	Integrating Reversible Logic into Digital Electronics Education: A Pedagogical Framework Based on Fredkin, Toffoli, Peres, TSG and Sayem Gates Adriana Borodzhieva
FRI-2G.302-1-CCT2-04:	Evaluation of AI-Based Object Segmentation for Improving Image Alignment in Photogrammetry 3D Reconstruction Diyana Kinaneva, Georgi Hristov, Georgi Georgiev
FRI-2G.302-1-CCT2-05:	Analysis of Gaussian Splitting as a Method for 3D Representation of Digital Objects Georgi Hristov, Diyana Kinaneva, Georgi Georgiev

FRI-2G.302-1-CCT2-06:	Analysis of Cybersecurity and Cyber Risk in the Context of Digital Transformation for Small and Medium-Sized Enterprises in Bulgaria Ventsislav Georgiev, Georgi Hristov, Plamen Zahariev, Diyana Kinaneva
FRI-2G.302-1-CCT2-07:	Social Engineering and Managerial Dimensions of Cybersecurity in Bulgaria Ventsislav Georgiev, Georgi Hristov, Diyana Kinaneva
FRI-2G.302-1-CCT2-08:	Improvement of the Education Process When Students Learn the Topic Investigation of Street Canyon Signal Propagation in Microcells Ivanka Tsvetkova
FRI-2G.302-1-CCT2-09:	Classification of Routing Protocols in WSN and IoT: An Overview Stanislava Ninova-Kozleva
FRI-2G.302-1-CCT2-10:	Blockchain Technologies for Ensuring Security in Communication Processes: State-of-the-Art Analysis and Open Problems Radenko Grigorov
FRI-2G.302-1-CCT2-11:	Systematic Analysis of Communication Security Methods in Decentralised UAV Swarms Naim Naim, Georgi Hristov, Plamen Zahariev
FRI-2G.302-1-CCT2-12:	A Comparative Study of UAV Platforms and RF Communication Protocols for Dedicated Mission Applications Stiliyan Dimitrov, Georgi Hristov, Plamen Zahariev, Georgi Georgiev
FRI-2G.302-1-CCT2-13:	A Software-Defined Middleware Approach for Hardware-Invariant Data Normalization in Multi-Protocol Building Environments Nikolay Kutinchev, Georgi Hristov, Georgi Georgiev, Diyana Kinaneva
FRI-2G.302-1-CCT2-14:	An Overview of the YOLO Object Detection Algorithms Iskren Rusanov, Georgi Hristov, Plamen Zahariev

16:30 – 18:30	Parallel Sessions, Room 2B.412
FRI-2B.412-1-EM1	Economics and Management 1 Session Chairs: Anton Nedyalkov, Igor Sheludko
FRI-2B.412-1-EM1-01:	Wellness Programs as a Management Tool for Enhancing Aviation Personnel Wellbeing Veselina Dimova
FRI-2B.412-1-EM1-02:	Architectural Blindness in Hotel Information Systems: Why they Report Level Rather than Exposure Vasil Georgiev
FRI-2B.412-1-EM1-03:	An Approach to Implementing a Real-Time Production Process Monitoring System to Improve its Efficiency Georgi Georgiev, Pavel Vitliemov
FRI-2B.412-1-EM1-04:	Transposition of the EU Pay Transparency Directive in Bulgaria: Opportunities and Challenges Nina Kostova
FRI-2B.412-1-EM1-05:	Situational analysis of the Investment Reality in the Municipality of Ruse Dimitar Genkov, Daniela Yordanova
FRI-2B.412-1-EM1-06:	Investment Attractiveness and Potential; Approaches to Attracting Investment at the Municipal Level Dimitar Genkov, Daniela Yordanova
FRI-2B.412-1-EM1-07:	Measurement Framework for Assessing the Effects of Outsourcing Logistics Activities on Logistics Efficiency Adile Dimitrova, Ivan Dimitrov
FRI-2B.412-1-EM1-08:	Research Instrument for Examining the Impact of Outsourcing Logistics Activities on Logistics Effectiveness Ivan Dimitrov, Adile Dimitrova
FRI-2B.412-1-EM1-09:	Selecting Financing Methods for Tangible Fixed Assets: A Present Value Analysis Anton Nedyalkov

FRI-2B.412-1-EM1-10:	Joint Use of Production Equipment Among Enterprises: Forms and an Analytical Framework Anton Nedyalkov
16:30 – 18:30	<i>Parallel Sessions, Room 2G.404</i>
FRI-2G.404-1-EM2	Economics and Management 2 <i>Session Chairs: Aleksandar Kosuliev, Elizar Stanev</i>
FRI-2G.404-1-EM2-01:	The Openness of the Family Business as a Precondition for Partnership with Trade Organizations Violeta Yankolova-Ali, Daniel Pavlov
FRI-2G.404-1-EM2-02:	Market Entry for the Micro-Manufacturer: Barriers and Advantages of Partnering with a Large Chain Versus a Small Retailer Violeta Yankolova-Ali, Daniel Pavlov
FRI-2G.404-1-EM2-03:	Ranking of Motivational Factors as a Basis for Effective Employee Incentivization and Human Resource Management Bozhana Stoycheva
FRI-2G.404-1-EM2-04:	Capital Structure and Cost of Capital of the Firm in a Changing Interest Rate Environment Petar Penchev
FRI-2G.404-1-EM2-05:	Investment Decisions under Uncertainty: Stochastic Modelling of Risk and Investment Project Value Petar Penchev
FRI-2G.404-1-EM2-06:	Inflation, Interest Rates and Real Income: Effects on Household Financial Behaviour in Bulgaria Petar Penchev, Irena Kenarova-Pencheva
FRI-2G.404-1-EM2-07:	Inflation and Labor Productivity in Bulgaria: Dynamics and Interdependencies during the Period 2015–2025 Viktor Merdzhanov
FRI-2G.404-1-EM2-08:	Effects of the Advent of AI on Entry-Level Positions in the Bulgarian IT Sector Viktoria Daneva, Elizar Stanev
FRI-2G.404-1-EM2-09:	Is There a "University Premium"? The University as a Factor of Regional Development in Bulgaria Aleksandar Kosuliev
FRI-2G.404-1-EM2-10:	Expected Impact of Changes in Real Estate Tax Valuations on Municipal Finances Anton Antonov
16:30 – 18:30	<i>Parallel Sessions, Room 2G.510</i>
FRI-2G.510-1-ESIS	European Studies and International Security <i>Session Chair: Vladimir Chukov, Eva Parvanova</i>
FRI-2G.510-1-ESIS-01:	Weaponized Violence: Islamic Narratives and Asymmetric Security Threats in the Middle East Vladimir Chukov
FRI-2G.510-1-ESIS-02:	Bridging Higher Education and the Labour Market through Micro-Credentials: EU Policies and Recognition Challenges Eva Parvanova
FRI-2G.510-1-ESIS-03:	Security Risks Associated with Natural Disasters: The Case of the Danube Region Krasimir Koev

16:30 – 18:30	<i>Parallel Sessions, Room 1.322</i>
FRI-1.322-1-SW	Social Work <i>Session Chair: Ana Popova</i>
FRI-1.322-1-SW-01:	Influence of Digital Exclusion in Older People on the Therapeutic Relationship and the Formation of new Competencies in the Social Worker Evgeniya Bratoeva
FRI-1.322-1-SW-02:	Deinstitutionalization of Care for the Elderly in Bulgaria and Integration of the Concept of Active Ageing into Modern Services in the Community Evgeniya Bratoeva
FRI-1.322-1-SW-03:	Socialization Deficits as a Cause of Aggressive Behavior in Youth Ana Popova
FRI-1.322-1-SW-04:	Theoretical Aspects of the Application of Lego Therapy in Social Work Silvia Beloeva, Nataliya Venelinova
FRI-1.322-1-SW-05:	Crisis Communication Management in Small Bulgarian Municipalities: Challenges and Good Practices Nataliya Venelinova, Irina Kostadinova
16:30 – 18:30	<i>Parallel Sessions, Room 20.23</i>
FRI-20.23-1-TMS	Transport and Machine Science <i>Session Chairs: Toncho Balbuzanov, Mihail Milchev</i>
FRI-20.23-1-TMS-01:	Total Internal Reflection. Application Ivan Ralev
FRI-20.23-1-TMS-02:	Methodology For Sizing and Strength Assessment of A Two-Stage Worm-Spur Gearbox with A High Transmission Ratio Svetoslav Babanov
FRI- 20.21-1-TMS-03:	Technical Assessment and Reliability Analysis of Wind Turbine Drivetrains In Bulgaria Stanimir Penev
FRI-20.23-1-TMS-04:	Design And Calculatio of a Metal Structure to Support Photovoltaic Rooftop for Parking Lots Dobromir Petrov, Ivaylo Borisov
FRI-20.23-1-TMS-05:	Interactive Representation and Interpretation of Engineering Graphics Information Vyarka Ronkova
FRI-20.23-1-TMS-06:	Structural Organization of Complex Mechanical Systems: An Engineering Graphics Analysis Vyarka Ronkova
FRI-20.23-1-TMS-07:	An Overview of Synthetic E-Fuels for Spark Ignition and Compression Ignition Engines Plamen Kotsev, Simeon Iliev
FRI-20.23-1-TMS-08:	Historical Development and Contemporary Trends In The Use Of Electric Vehicles For Urban Public Transport Polina Todorova, Gergana Staneva
FRI-20.23-1-TMS-09:	Actuators in Automotive Air Conditioning Systems Georgi Kadikyanov, Rosen Ivanov, Iliyana Minkovska, Ahmed Ahmed
FRI-20.23-1-TMS-10:	Management of Tractor Engine Operating Modes Under Stationary Conditions Georgi Kadikyanov
FRI-20.23-1-TMS-11:	Investigation of Energy and Economic Parameters of Electric Vehicles driving in Urban Traffic Conditions Iliyana Minkovska, Gergana Staneva, Rosen Ivanov, Ahmed Ahmed

16:30 – 17:30	<i>Parallel Sessions, Room 20.21</i>
FRI- 20.21-1-SITSTL	Sustainable and Intelligent Transport Systems, Technologies and Logistics Session Chairs: <i>Toncho Balbuzanov, Mihail Milchev</i>
FRI-20.21-1-SITSTL-01:	Game-Based Simulation As A Method For Practical Training In Commercial Transport Operations Denitsa Miteva
FRI-20.21-1-SITSTL-02:	The Role of Intelligent Transport Systems in The Development of Electromobility Yordan Georgiev, Dimitar Grozev, Ivan Beloev, Denitsa Miteva
FRI-20.21-1-SITSTL-03:	Surveying Customer Opinion on Service Quality Criteria Belgis Zyulkyufova-Furnadzhieva, Mihail Milchev
FRI-20.21-1-SITSTL-04:	A Comparative Study on The Acceleration Dynamics of Hybrid and Conventional Vehicles Daniel Lyubenov, Dzhemal Topchu
FRI-20.21-1-SITSTL-05:	Evaluating Road Safety and Spatial Speed Distribution in Built-Up Areas Dzhemal Topchu, Daniel Lyubenov
FRI-20.21-1-SITSTL-06:	Heated Cargo Properties on Crude Oil Tankers Dobrin Milev, Belora Petrova
FRI-20.21-1-SITSTL-07:	Analysis of Capacity and Traffic Delays at the Intersection of Tsar Osvoboditel, Hristo Botev, and Neofit Bozveli Boulevards in Ruse Toncho Balbuzanov, Antonii Todorov
FRI-20.21-1-SITSTL-08:	Comparative Analysis of Diesel Fuel Prices in Eurozone Countries and The Impact of VAT and Excise Duty Refunds on International Road Transport Christiana Atanasova, Tihomir Savov
FRI-20.21-1-SITSTL-09:	Strategies For Sustainable Development of Green Ports Ivan Conev, Christiana Atanasova
FRI-20.21-1-SITSTL-10:	Empirical Study of Student Travel Behavior Within the Urban Mobility System of Ruse Dimitar Georgiev, Velizara Pencheva, Asen Asenov
FRI-20.21-1-SITSTL-11:	Assessment and Mitigation of Operational and Environmental Risks in Inland Waterway Transport Via a Mobile Drone-Pumping System Kamen Ivanov, Velizara Pencheva, Asen Asenov
FRI-20.21-1-SITSTL-12:	Empirical Study of Labor Organization and Driver Changes in Urban Public Transport Velizara Pencheva, Svetlozar Marinov, Aleksandar Georgiev, Asen Asenov
17:40 – 18:30	<i>Parallel Sessions, Room 20.21</i>
FRI- 20.21-2-SITSTL	Sustainable and Intelligent Transport Systems, Technologies and Logistics Session Chairs: <i>Toncho Balbuzanov, Mihail Milchev</i>
FRI-20.21-2-SITSTL-01:	Review and Analysis of Methods for Disabling Emission Control Systems in Modern Internal Combustion Engines Mihail Milchev, Pavel Stoyanov
FRI-20.21-2-SITSTL-02:	Assessment of the Technical Condition of Historic Vehicle Engines Following Extended Periods of Inactivity through Carbon Monoxide Emission Analysis Mihail Milchev, Pavel Stoyanov
FRI-20.21-2-SITSTL-03:	Types of Vessels Operating in the Bulgarian - Romanian Sector of The Danube River Nikolay Naydenov
FRI-20.21-2-SITSTL-04:	Implementation Of Synchronized Timetables and Its in Public Transport (Case Study of Line No. 2 – Ruse) Radoslav Georgiev, Dimitar Grozev

FRI-20.21-2-SITSTL-05:	Analysis of Transport Performance and Operational Efficiency of Public Transport in Ruse Radoslav Georgiev
FRI-20.21-2-SITSTL-06:	Optimization of Transport Operations at a Non-Emergency Medical Care Centre Reneta Kalaydzhieva
FRI-20.21-2-SITSTL-07:	Analysis of Telemetry Data for Liquid Fuel Transportation in Road Tankers Biser Tenchev, Dimitar Grozev
FRI-20.21-2-SITSTL-08:	Purpose, Classification and Design of Vehicle-Mounted Aerial Work Platforms Nidal Savahla, Ivan Beloev, Dimitar Grozev
FRI-20.21-2-SITSTL-09:	Theoretical Studies of a Hybrid Energy System and Its Operating Constraints Nidal Savahla
FRI-20.21-2-SITSTL-10:	Comparative Analysis of Alternative Freight Transport Routes Considering Navigation Conditions on The Lower Danube and The Geopolitical Situation in The Black Sea Basin Boril Ivanov
FRI-20.21-2-SITSTL-11:	Assessment of Traffic Flow Intensity and Vehicle Composition on Lipnik Boulevard in the City of Ruse Dzhemal Topchu, Toncho Balbuzanov, Ivan Beloev
FRI-20.21-2-SITSTL-12:	Risk Analysis for Navigation in Critical Sections of The Danube River Under Extreme Low Water Levels Toncho Balbuzanov, Nikolay Naydenov
FRI-20.21-2-SITSTL-13	Modeling of a Roundabout Intersection Using Specialized Software Yungyusyun Eminova, Pavel Stoyanov,

16:30 – 18:30

Parallel Sessions, Room 1.414

FRI-1.414-1-MIP

Mathematics, Informatics and Physics

Session Chair: Tzvetomir Vassilev

FRI-1.414-1-MIP-01:

A Prompt Assistant Conceptual Model Aimed at Reducing AI Energy Consumption and Promoting its Sustainable use

Martin Dzhurov, Galina Atanasova

FRI-1.414-1-MIP-02:

Factor Analysis of Borrower Characteristics in Consumer Lending
Plamena Angelova

FRI-1.414-1-MIP-03:

A Software Approach for Spatial Registration and Interactive Visualization of Historical Urban Transformation

Teodora Daskalova, Martin Dzhurov

FRI-1.414-1-MIP-04:

Application of Artificial Intelligence in Classification and Automation Processing of Residential Problems Reports

Betina Hristova, Martin Dzhurov

FRI-1.414-1-MIP-05:

Evaluating Cross-User Robustness of Landmark-Based Transformer Encoder for Dynamic Hand Gesture Recognition

Alexander Zlatanov, Martin Dzhurov

FRI-1.414-1-MIP-06:

Multi-Agent AI for Complex Problem Solving: Opportunities and Risks
Alexander Andreev, Tzvetomir Vassilev

FRI-1.414-1-MIP-07:

AI-Based Detection of Code Patterns Predisposing Automated Tests to Flakiness

Desislava Baeva, Hristo Hristov

FRI-1.414-1-MIP-08:

Orchestration of Containerized Applications in a Heterogeneous Multi-Tenant Environment

Serkan Sadulov, Kamelia Shoilekova

FRI-1.414-1-MIP-09:

Evolution of Forward Rendering
Mustafa Mustafov, Kamelia Shoilekova

FRI-1.414-1-MIP-10:	Smart Home Communication Technologies: A Comparative Review of Protocols, Applications, and Future Trends Aleksandar Kotsev
FRI-1.414-1-MIP-11:	Intelligent Tutoring Systems – Architectures and Approaches Andrey Mikulski, Tzvetomir Vassilev
16:30 – 18:30	<i>Parallel Sessions, Room 2G.407</i>
FRI-2G.407-ERI	Education – Research and Innovations <i>Session Chair: Ralica Vasileva</i>
FRI-2G.407-1-ERI-01:	Using the Blooket Platform to Increase Motivation and Consolidation Mathematics Knowledge Desislava Georgieva, Svilen Stoyanov
FRI-2G.407-1-ERI-02:	Integrating Digital Tools into Mathematics Education in Middle School: Models and Applications Ralitsa Vasileva-Ivanova, Ivalina Kostova
FRI-2G.407-1-ERI-03:	Interdisciplinary Lessons Integrating Information Technology and Mathematics in V-VII Grades Irina Vasileva, Ralitsa Vasileva-Ivanova
FRI-2G.407-1-ERI-04:	Application of the Interdisciplinary Approach in Preparation for Solving Integrated Problems in the National External Assessment in 10th Grade Irina Vasileva, Ralitsa Vasileva-Ivanova
FRI-2G.407-1-ERI-05:	Integrating Modern Teaching Methods into Preparation for the National External Assessment in Mathematics for 7th Grade Todor Kachkov, Emilia Velikova,
FRI-2G.407-1-ERI-06:	Advanced Stereometry Problems for in-Depth Study on Grades 11 and 12 Emil Bargazov, Stefka Karakoleva
FRI-2G.407-1-ERI-07:	Application of Cloud Technologies for Online Teaching of Mathematics to Students on the Topic INEQUALITIES in 7th Grade Aneliya Ilieva, Stefka Karakoleva
FRI-2G.407-1-ERI-08:	Application of Cloud Technologies in Preparing Students for the National External Assessment in Mathematics at the End of the Grade 10 Tsvetelina Nikolova, Stefka Karakoleva
16:30 – 18:30	<i>Parallel Sessions Online, Room 1.313</i>
FRI-1.313-1-PP	Pedagogy and Psychology <i>Session Chair: Galina Georgieva</i>
FRI-1.313-1-PP-01:	Study and Development of Models for Educational Practices in Multicultural Lifelong Learning Ecosystems: The Effectiveness of Inclusive Education Across Different Groups Julia Doncheva, Carmen Alexandrache
FRI-1.313-1-PP-02:	Principles and Functional Framework of an Integrated Model for a Sustainable Educational Ecosystem Desislava Belomorska
FRI-1.313-1-PP-03:	Earth Day” in Interest-Based Activities – an Educational Practice for Developing Ecological Culture in Full-Day School Organization Ekaterina Ivanova
FRI-1.313-1-PP-04:	Socio-Pedagogical Dimensions of the Group Activity Lora Radoslavova, Iskrena Dimitrova
FRI-1.313-1-PP-05:	AI Attitudes Towards School Conflicts Bagryana Ilieva
FRI-1.313-1-PP-06:	Management and Quality of Social Services: The Role of Organizational Capacity Dima Spasova

FRI-1.313-1-PP-07:	Building a European Area for Education and Science - The Role of Universities Valentina Vasileva, Adlet Kariyev
FRI-1.313-1-PP-08:	Augmentative and Alternative Communication as a Tool for Learning Process Adaptation Katerina Zlatkova-Doncheva
16:30 – 18:30	Parallel Sessions Online, Room 2G.305
FRI-2G.305-1-LLA	Linguistics, Literature and Art Science Session Chair: Velislava Doneva
FRI-2G.305-1-LLA-01:	Pencho Slaveykov's Poem "Michelangelo" as an Example of the Relationship Between Literature and the Visual Arts Petya Abrasheva
FRI-2G.305-1-LLA-02:	Screenwriting as a Pedagogical Tool in Working with Children and Adolescents Hristo Rayanov
16:30 – 18:30	Parallel Sessions Online, Room 1.307
FRI-1.307-1- BCHH(T)	Bulgarian Cultural and Historical Heritage (Taraclia) Session Chair: Nadezhda Gaidarzhi
FRI-1.307-1- BCHH(T)-01:	The Comprehensive Contribution of the Taraclia Branch of 'Angel Kanchev' University of Ruse to Educational Integration, Regional Development, and the Preservation of Bulgarian Identity in the Republic of Moldova Inna Garanovskaya
FRI-1.307-1- BCHH(T)-02:	The Educational Role of Bulgarian Literature in the Modern School in the Republic of Moldova Nadejda Gaidarji
FRI-1.307-1- BCHH(T)-03:	The General October Political Strike of 1905 in Moldova Vladimir Polivtsev
FRI-1.307-1- BCHH(T)-04:	The Hesychasm of Metropolitan Cyprian (Tsamblak) and its Influence on the Unification of Russian Lands Vyacheslav Dihanov
FRI-1.307-1- BCHH(T)-05:	Fostering Critical Thinking Through the Conceptual Conflict Method in Literature Lessons Alyona Stoeva
16:30 – 18:30	Parallel Sessions Online, Room 1.307
FRI-1.307-1-IR(T)	Interdisciplinary Research (Taraclia) Session Chair: Veronika Veliksar
FRI-1.307-1-IR(T)-01:	An Interdisciplinary Approach to Forming Motivation in Students for Regular Physical Culture and Sports Activities Pavel Karapenkov
FRI-1.307-1-IR(T)-02:	Music in the Educational Paradigms of Bulgaria and Moldova: Integration and the Preservation of Subject Identity Veronika Veliksar
FRI-1.307-1-IR(T)-03:	Piano Training as an Integrative Environment for Developing Music-Pedagogical Reflection Anna Vitanova
FRI-1.307-1-IR(T)-04:	The Specificity of Pedagogical Communication and the Overcoming of Psychological Barriers in the Teacher– Student Relationship in the Music Performance Class Natalia Derivolcova

FRI-1.307-1-IR(T)-05:	Transformation of Traditional Musical Values in Student Education through Digital Applications Vitaliy Terzi
FRI-1.307-1-IR(T)-06:	Optimization of Transport Resource Allocation with a Generalized Mixed Integer Linear Model and Matlab Implementation Nikolay Mostovoy, Dimitar Grozev, Ivan Georgiev
FRI-1.307-1-IR(T)-07:	The Phenomenon of Dobri Hristov's National Choral Culture in the Interdisciplinary Scientific and Educational Space: Historical-Stylistic, Modal-Harmonic and Aural-Analytical Aspects Valentina Nevzorova
FRI-1.307-1-IR(T)-08:	Stimulating the Development of Creativity in Students in Out-Of-School Educational Institutions in the Republic of Moldova Through Decorative Art Peter Veliksar
16:30 – 18:30	<i>Parallel Sessions Online, Room 1.307</i>
FRI-1.307-1-MC(T)	Modern Challenges (Taraclia) <i>Session Chair: Maria Kolar</i>
FRI-1.307-1-MC(T)-01:	Overcoming Intercultural Barriers as a Prerequisite for Developing Students' Communicative Competence in Learning Romanian as a Non-Native Language Fedora Terzi
FRI-1.307-1-MC(T)-02:	Modern Challenges and Prospects of Moldovan-Bulgarian Cooperation: Educational Projects as a Factor in the Development of the Taraclia District Aleksandr Borimechkov
FRI-1.307-1-MC(T)-03:	Psychological and Pedagogical Conditions for the Development of Leadership Qualities Among Students in Teacher Education Programs Maria Colari
FRI-1.307-1-MC(T)-04:	Modern Technologies for the Cognitive and Speech Development of Children of Primary School Age Maria Ryaboy
FRI-1.307-1-MC(T)-05:	Contemporary Challenges Facing General Music Education in Preserving Bulgarian Identity in Moldova Vitaly Todorov
16:30 – 18:30	<i>Parallel Sessions, Room 2K.201</i>
FRI-2K.201-1-HP	Health Promotion <i>Session Chair: Stefka Mindova</i>
FRI-2K.201-1-HP-01:	Pelvic Floor Dysfunction in Women and Quality of Life: Aspects Following Hysterectomy Irina Karaganova, Stefka Mindova
FRI-2K.201-1-HP-02:	Physiotherapy Approach to Pelvic Floor Dysfunction in Women Stefka Mindova, Irina Karaganova
FRI-2K.201-1-HP-03:	Contemporary Trends in Physiotherapy for Flatfoot and Hallux Valgus Denitsa Vasileva, Borislav Chongov
FRI-2K.201-1-HP-04:	Kinesitherapeutic Management of Surgical Menopause Following Hysterectomy Yuliyana Pashkunova
FRI-2K.201-1-HP-05:	Homocysteine: Metabolic, Clinical and Iatrogenic Interactions Daniela Krasimirova
FRI-2K.201-1-HP-06:	Early Rehabilitation and Early Graded Weight-Bearing Program Following Double-Plate Fixation of Distal Femoral Fractures in Older Adults Hristo Hristov, Yordan Andonov, Stefka Mindova

FRI-2K.201-1-HP-07:	Minimally Invasive Treatment of Complex Proximal Tibial Fractures Yordan Andonov, Hristo Hristov
FRI-2K.201-1-HP-08:	Model for Inclusive Community Education Martin Grozev
FRI-2K.201-1-HP-09:	The Contemporary Role of Topical Non-Steroidal Anti-Inflammatory Drugs in Musculoskeletal Pain: Dosage Form, Safety, Photosensitivity and Rehabilitation Applications Lada Andreeva, Aleksandar Andreev
FRI-2K.201-1-HP-10:	The Systemic Effects of Physical Activity in Ankylosing Spondylitis: Musculoskeletal, Cardiovascular, Neurological, Immune and Metabolic Aspects Aleksandar Andreev
FRI-2K.201-1-HP-11:	From Therapy Room to Real Life: a Case Study of a Child with Autism Using a Client and Family Centered Approach Ruslana Anastasova
FRI-2K.201-1-HP-12:	The Evolution of Undergraduate Education in Public Health and State Health Inspection in Bulgaria Valentina Aleksandrova-Kaleva
FRI-2K.201-1-HP-13:	Kinesiotherapy After Obstetric Hysterectomy: a Biopsychosocial Approach to a Woman's Functional Recovery Marinela Simeonova, Petya Parashkevova
FRI-2K.201-1-HP-14:	Pilot Study of a Hybrid Training Protocol for Overweight Women Nataliya Hadzhiyska
FRI-2K.201-1-HP-15:	The Effect of Preoperative Kinesiotherapy on Early Recovery in Patients Following Total Hysterectomy for Uterine Fibroids Ivelina Stefanova
FRI-2K.201-1-HP-16:	The Role of Physical Exercise During Pregnancy Petya Parashkevova
FRI-2K.201-1-HP-17:	Physiotherapy Effect on the Postoperative Scar in Hysterectomy Radoslava Deleva

16:30 – 18:30

Parallel Sessions, Room 2.101

FRI-2.101-1-HC

Health Care

Session Chair: Tsveta Hristova

FRI-2.101-1-HC-01:	Digital Transformation of Healthcare Professional Education Through Artificial Intelligence and Intelligent Learning Systems Yordanka Dimitrova
FRI-2.101-1-HC-02:	Integrating Artificial Intelligence into Nursing Practice Yordanka Dimitrova
FRI-2.101-1-HC-03:	A Concept for a Hybrid Academic Training Model for Healthcare Professionals Yordanka Dimitrova
FRI-2.101-1-HC-04:	Clinical Characteristics and Functional Outcome in Our Patients with Acute Ischemic Stroke Treated with Mechanical Thrombectomy Tsveta Hristova, Yoana Lukanova
FRI-2.101-1-HC-05:	Calcaneal Quantitative Ultrasound as a Prescreening Tool for Osteoporosis in Areas with Limited Access to Densitometry Fera Atanasova, Kamelia Bogdanova, Irinka Hristova
FRI-2.101-1-HC-06:	Comparative Characteristics of the Main Instruments for Early Childhood Development Assessment Tatyana Itova

FRI-2.101-1-HC-07:	Artificial Intelligence in Obstetrics and Gynecology, the Role of Human Expertise: Fears and Expectations Kina Velcheva
FRI-2.101-1-HC-08:	Professional Stress and Burnout Among Nurses - Contemporary Challenges and a Comparative Analysis Yuliya Slavova, Despina Georgieva, Greta Koleva
FRI-2.101-1-HC-09:	Strategies for the Prevention of Occupational Stress and Burnout Among Nurses Yuliya Slavova, Despina Georgieva, Irinka Hristova
FRI-2.101-1-HC-10:	Debriefing as a Key Component of Simulation-Based Training in Cardiopulmonary Resuscitation - Models, Techniques and Application Sibel Lyatif-Yordanova, Silvia Mladenova, Greta Koleva
FRI-2.101-1-HC-11:	Nursing Activities in the Clinical Monitoring of Adults with Disabilities Yuliyana Georgieva
FRI-2.101-1-HC-12:	Anthropometric Indicators and Tertiary Prevention of Ischemic Heart Disease in Adults Under 65 Years of Age: Prognostic Significance and Clinical Applications Ilona Dobrinova, Kaloyan Yonkov, Dimitar Stavrev
FRI-2.101-1-HC-13:	Clinical Characteristics and Functional Outcome in Our Patients with Acute Ischemic Stroke Treated with Mechanical Thrombectomy Rositsa Krasteva
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16:30 – 18:30	<i>Parallel Sessions, Room 2G.205</i>
FRI-2G.507-1-MCDA	Medical and Clinical Diagnostic Activities <i>Session Chair: Denitsa Trancheva</i>
FRI-2G.507-1-MCDA-01:	Phospho –Tau Protein (181p) – a Reliable Biomarker for Confirming Alzheimer's Disease Denitsa Trancheva
FRI-2G.507-1-MCDA-02:	The Relationship Between Employment Status, Sleep, Fatigue and The Learning Process Among Physician Assistant Students Radostin Radev, Kristina Zaharieva
FRI-2G.507-1-MCDA-03:	Public Support as a Factor in the Motivation and Retention of the Health Workforce Radostin Radev
FRI-2G.507-1-MCDA-04:	Subjective Assessment of Changes in Sleep, Fatigue and Mental Strain Among Students in Healthcare Programmes Radostin Radev
FRI-2G.507-1-MCDA-05:	The Code of Professional Ethics for Physician Assistants: Legal Aspects Maria Radeva
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16:30 – 18:30	<i>Parallel Sessions, Room 2B.313</i>
FRI-2B.313-1-L	Law <i>Session Chairs: Elitsa Kumanova</i>
FRI-2B.313-1-L-01:	Powers of State Institutions in the Context of the Concept of Sovereignty Elitsa Kumanova
FRI-2B.313-1-L-02:	The World Cultural Tradition of Victorian Literature - Images of Children at Risk Elitsa Kumanova, Hristo Rayanov
FRI-2B.313-1-L-03:	Problems Concerning the Appointment of the Central Electoral Commission of the Republic of Bulgaria (in the context of decision 13 of 2026 of the Constitutional Court) Zornitsa Yordanova
FRI-2B.313-1-L-04:	The Legal Measure as an Expression of the Distributive Function of Law Svetla Kaneva

FRI-2B.313-1-L-05:	Public Security as a Ground for Restriction of Application of EU Law Emanuil Kolarov
FRI-2B.313-1-L-06:	Digitalization in the Administrative Procedures Dilyana Kalinova
FRI-2B.313-1-L-07:	Presentation and Delivery of the act Establishing Administrative Violations to the Violator and to the Successor of the Legal Entity Zhivka Andreeva
FRI-2B.313-1-L-08:	Unpaid Community Service and Forced Labor Zhivka Andreeva
FRI-2B.313-1-L-09:	Mediation in Tax Disputes in the Member States of the EU Elina Marinova

16:00 – 18:00

Parallel Sessions Online, Room 2B.312

FRI-2B.312-1-NS

National Security

Session Chair: Milen Ivanov

FRI-2B.312-1-NS-01:	Volunteering in Crisis Management in The Republic of Bulgaria: Regulatory Model and Organizational Readiness Elitsa Kumanova, Maria Tsenova
FRI-2B.312-1-NS-02:	The Role of Diplomacy in Strengthening Global Security Kremena Rayanova
FRI-2B.312-1-NS-03:	Artificial Intelligence in Security: Between Strategic Necessity and the Legal Barriers of the Classified Information Protection Act Milen Ivanov
FRI-2B.312-1-NS-04:	Regulations Concerning Uniform and Workwear in the Context of National Security Elitsa Kumanova, Danail Kumanov
FRI-2B.312-1-NS-05:	Theoretical Prerequisites in Forensic Psychology Conditioning the Order of Mandatory Expertise for 'Competency to Testify' Under Article 144, Paragraph 2, Item 5 of the Criminal Procedure Code Nevena Ruseva, Silvia Krushkova
FRI-2B.312-1-NS-06:	Specificity of the Object in Types of Bribery Darina Koseva
FRI-2B.312-1-NS-07:	Principles and Methods of International Law Enforcement Cooperation in Combating Firearm-Related Crimes Chavdar Georgiev
FRI-2B.312-1-NS-08:	Normative Overlaps and Regulatory Deficits in the Management of Non-Military Crises: An Analysis through the Lens of Regulatory Governance Maria Tsenova

Saturday 24 October 2026

09:00 – 10:30

Parallel Sessions, Room 2B.412

SAT-2B.412-1-EM1

Economics and Management 1

Session Chairs: Anton Nedyalkov, Igor Sheludko

SAT-2B.412-1-EM1-01:	Factor Markets in Bulgarian Agriculture Lyubomir Lyubenov
SAT-2B.412-1-EM1-02:	Predictors of Green Consumer Behavior Daniela Ilieva
SAT-2B.412-1-EM1-03:	Approaches to Balancing Customer Experience and Cybersecurity Miroslava Boneva, Igor Sheludko
SAT-2B.412-1-EM1-04:	Artificial Intelligence as A Trend in Accounting Document Processing Teodor Nenov

SAT-2B.412-1-EM1-05:	The Invisibility of Small Maritime Municipalities in Bulgaria Nataliya Venelinova, Silvia Beloeva
SAT-2B.412-1-EM1-06:	The Leader approach in Bulgaria over three programming periods - practices and challenges Hristina Kolarova, Daniela Yordanova
SAT-2B.412-1-EM1-07:	Investigating Employee Motivation in Administrative Social Services Svilena Ruskova, Svilen Kunev
<hr/>	
09:00 – 11:00	<i>Parallel Sessions, Room 2B.313</i>
SAT-2B.313-1-L	Law <i>Session Chair: Elitsa Kumanova</i>
SAT-2B.313-1-L-01:	Pecuniary and Disciplinary Liability of the Notary Public Krasimir Dimitrov
SAT-2B.313-1-L-02:	The Qualified Electronic Signature and The Notarial Form of Authorisation Under Article 37 of The Bulgarian Obligations and Contracts Act Anastas Georgiev
SAT-2B.313-1-L-03:	Opposability of the Termination of Authority of Representation in the Digital Environment Anastas Georgiev
SAT-2B.313-1-L-04:	Electronic Identity and Action without Authority of Representation Anastas Georgiev
SAT-2B.313-1-L-05:	Controversial Issues Regarding the Consequences of Accepting an Inheritance Subject to Inventory Mihail Malchev
SAT-2B.313-1-L-06:	Family-Law and Obligations-Law Models for the Formation of the Lease Relationship: A Comparative Analysis of Articles 56–57 of the Family Code and the Lease Contract under the Obligations and Contracts Act Denitsa Petrova
SAT-2B.313-1-L-07:	The Minor's Will in The Disposition of Their Property – between Autonomy and Protection Nikolay Kozhuharov
SAT-2B.313-2-L-08:	Regarding the Inadmissibility of a Claim under Article 76 of the Pproperty Law against a Third Party who did not Participate in the Violation. Analysis and Reasoning Sergey Kalinkov
<hr/>	
11:15 – 13:30	<i>Parallel Sessions, Room 2B.313</i>
SAT-2B.313-2-L	Law <i>Session Chair: Elitsa Kumanova</i>
SAT-2B.313-2-L-01:	The Current Court Practice Regarding Complicity in a Lease Agreement Petar Bonchovski
SAT-2B.313-2-L-02:	Historical Development of Consumer Insolvency Proceedings Vladislav Ivanov
SAT-2B.313-2-L-03:	Incorporating the Law of Bills of Exchange into the Digital Age: From Paper to Electronic Bills of Exchange Ivaylo Yosifov
SAT-2B.313-2-L-04:	Imposition Of Precautionary Measures on A Ship Anna Nikolova
SAT-2B.313-2-L-05:	Legal Aspects of Postgraduate Training in Healthcare Maria Radeva
SAT-2B.313-2-L-06:	Choice and Modification of the Statutory Separation of Property Regime between Spouses Kremena Slavova

SAT-2B.313-2-L-07:	On the Prohibition of Torture under Article 3 of The European Convention on Human Rights Ognyan Vele
SAT-2B.313-2-L-08:	The United Nations and International Criminal Justice Ognyan Vele
SAT-2B.312-1-NS	Law Session Chair: Milen Ivanov
SAT-2B.312-1-NS-01:	Digital Borders and Cross-Border Security: Challenges and Opportunities Krasimir Koev
SAT-2B.312-1-NS-02:	Misuse of Another Person's Identity in Remote Bank Account Opening: Legal Risks to Financial and National Security Valeria Gornyachka, Adnyan Dzhelilov
SAT-2B.312-1-NS-03:	Preventing Corruption in Policing through Accountability and Professional Integrity Valeria Gornyachka, Slav Anastasov
SAT-2B.312-1-NS-04:	From Traditional to Game-Based and Simulation Methods in National Security Education Katina Kisyova
SAT-2B.312-1-NS-05:	Corruption as an Insider Threat: a Conceptual Model for Early Recognition of Corruption Risk in an Organisational Environment Svetlana Ognyanova
SAT-2B.312-1-NS-06:	From Organizational Deviance to Insider Threat: The Escalation Dynamics of Corruption within Institutions Svetlana Ognyanova
SAT-2B.312-1-NS-07:	The Human Factor in Personal Security Systems: Between Professional Training and Technological Solutions Todor Kodjeykov

NOVEMBER RESEARCH CONFERENCE IN RAZGRAD

Friday 06 November 2026

09:00 – 13:00

Registration (Hotel Les - lobby bar)

11:00 – 12:30

Opening, Plenary Session: Large Conference Room
Session Chair: Prof. Tsvetan Dimitrov, PhD

FRI-LCR-KS(R)-01:

Prof. Angel Smrikarov, PhD
Assoc. Prof. Galina Ivanova, PhD
 "Angel Kanchev" University of Ruse, Ruse, Bulgaria
Presentation of the Concept / Programme for the Use of Artificial Intelligence in Education
Assoc. Prof. Tatyana Yoncheva, PhD

FRI-LCR-KS(R)-02:

Institute of Viticulture and Enology - Pleven, Bulgaria
Assoc. Prof. Nikolay Stoyanov, PhD
 University of Food Technologies - Plovdiv, Bulgaria
Climate change and its impact on wine composition

13:30 – 15:00

Parallel Scientific Sessions: Large Conference Room

FRI-LCR-1-CT(R)

Chemical Technologies
Session Chair: Assoc. Prof. Iliana Nikolova, PhD

FRI-LCR-1-CT(R)-01:

Textural, surface and thermal features of asphaltenes from hydrocracking residue
Sonya Mileva, Radoslava Nikolova, Anife Veli, Ivaylo Tankov

FRI-LCR-1-CT(R)-02:

Carbon dioxide waste product or valuable raw material - a brief review
Vasil Kopchev

15:00 – 16:00

Parallel Scientific Sessions: Large Conference Room

FRI-LCR-1-BFT(R)

Biotechnologies and Food Technologies
Session Chair: Ch. Asst. Prof. Darina Georgieva, PhD

FRI-LCR-1-BFT(R)-01:

Comparative analysis of the polyphenolic composition and antioxidant activity of various fruit by-product flours
Pamela Georgieva, Yavor Ivanov

FRI-LCR-1-BFT(R)-02:

Thin layer chromatography of mussel flour amino acids
David Dimitrov, Zlatina Chengolova

FRI-LCR-1-BFT(R)-03:

The role of dietary xenobiotics in the pathobiochemistry of depression and anxiety
Daniela Krasimirova

FRI-LCR-1-BFT(R)-04:

Screening-Level Life Cycle Assessment of Refrigerated Transport and Logistics in SME Supply Chains
Velizara Pencheva, Asen Asenov, Juliana Popova, Stanka Damyanova, Pavel Vitliemov

16:00 – 17:00

Parallel Poster Sessions: Large Conference Room

FRI-LCR-P-1-CT(R)

Chemical Technologies
Session Chair: Prof. Tsvetan Dimitrov, PhD

FRI-LCR-P-1-CT(R)-01:

Vibrational, electronic and thermal properties of [C₅H₆N]⁺[C₄O₄H][−] ionic liquid
Anife Veli, Radoslava Nikolova, Sonya Mileva, Rummyana Yankova, Ivaylo Tankov

FRI-LCR-P-1-CT(R)-02:

Catalytic activity of Brönsted acidic ionic liquids for esters production
Ivaylo Tankov, Radoslava Nikolova, Sonya Mileva, Anife Veli

FRI-LCR-P-1-CT(R)-03:	Elucidation of structural characteristics of asphaltenes from unstable crude oils Radoslava Nikolova, Anife Veli, Sonya Mileva, Ivaylo Tankov
FRI-LCR-P-1-CT(R)-04:	Study of porous structure formation and foaming parameters in glass-ceramic materials Ganka Kolchakova
FRI-LCR-P-1-CT(R)-05:	Effect of water as a modifying additive on the transport and selective properties of polyacrylonitrile membranes prepared by phase inversion Milena Miteva
FRI-LCR-P-1-CT(R)-06:	Synthesis of cyclic imide derivatives Marin Marinov, Iliana Nikolova, Neyko Stoyanov
FRI-LCR-P-1-CT(R)-07:	Effect of cathodic cerium conversion coating deposition on the barrier properties of anodized AA2024-T3 aluminum alloy Stephan Kozhukharov, Christian Girginov, Angel Dishliev
FRI-LCR-P-1-CT(R)-08:	Hybrid supply chain for hydrogen production and distribution: combining centralized steam methane reforming with on-site electrolysis at refueling stations Elisaveta Kirilova, Evgeniy Ganev, Rayka Vladova
FRI-LCR-P-1-CT(R)-09:	pH ranges and buffering capacity of mixtures of pyrophosphoric acid and borax M. Georgieva, D. Nicheva, V. Zhelev, S. Kozhukharov, Ch. Girginov, P. Petkov
FRI-LCR-P-1-CT(R)-10:	Waste tire valorization as a pathway for producing functional carbon materials Sonya Mileva, Lenia Gonsalvesh, Velyana Georgieva, Hyusein Yemendziev, Ivaylo Tankov, Anife Veli

16:00 – 17:00

FRI-LCR-P-2-BFT(R)

Parallel Poster Sessions: Large Conference Room

Biotechnologies and Food Technologies

Session Chair: Prof. Stanka Damyanova, DSc

FRI-LCR-P-2-BFT(R)-01:	Impact of freeze-drying and non-thermal technologies on the bioactive profile of donkey milk and colostrum: A review Maria Doneva, Nikolay Solakov, Petya Metodieva, Krasimir Dimov, Svetla Dyankova
FRI-LCR-P-2-BFT(R)-02:	Comparative analysis of the antioxidant activity of protein hydrolysates from pumpkin and hemp seed meal, obtained by an optimized technology Svetla Dyankova, Maria Doneva, Nikolay Solakov, Petya Metodieva
FRI-LCR-P-2-BFT(R)-03:	Application of sweet chestnut flour and essential oils from the Lamiaceae family in culinary sauces Peter Atanasov, Stanko Stankov
FRI-LCR-P-2-BFT(R)-04:	Designing and manufacturing a continuous vacuum frying system Nguyen Khuong, Ira Dimitrova, Hristo Beloev
FRI-LCR-P-2-BFT(R)-05:	Insect meal production: Biotechnology for sustainable poultry feed Vasil Pirgozliev, Stephen Mansbridge
FRI-LCR-P-2-BFT(R)-06:	Preparation of procyanidin-rich grape seed extract Mina Markova, Yavor Ivanov
FRI-LCR-P-2-BFT(R)-07:	Influence of oak chips on the chemical composition and characteristics of Rubin red wines during storage Tatyana Yoncheva, Dimitar Dimitrov, Svetoslav Krastev
FRI-LCR-P-2-BFT(R)-08:	Effect of soil <i>Bacillus</i> spp. on mussel flour calcium Milka Atanasova, Zlatina Chengolova
FRI-LCR-P-2-BFT(R)-09:	Zinc and selenium content of wheat bread enriched with sesame flour and jerusalem artichoke flour Dana Stefanova, Denka Zlateva

FRI-LCR-P-2-BFT(R)-10:	Mussel flour protein sedimentation methods Zlatina Chengolova, Ganka Kolchakova
FRI-LCR-P-2-BFT(R)-11:	Application of alginate coatings enriched with <i>Salvia</i> spp. essential oils to preserve blackberry quality and extend storage stability Darina Georgieva
FRI-LCR-P-2-BFT(R)-12:	Opportunities for biotechnological hydrogen production Evgeniy Ganey, Evgenia Vasileva, Venko Beschkov
FRI-LCR-P-2-BFT(R)-13:	Trends and challenges in food packaging Darina Georgieva
FRI-LCR-P-2-BFT(R)-14:	Analysis of mouthwashes and the allergens they contain Kristina Mihalkova, Nadezhda Mazova, Krasimira Dobрева
FRI-LCR-P-2-BFT(R)-15:	Monarda - species, composition, and applications Evgeni Ivanov
FRI-LCR-P-2-BFT(R)-16:	HACCP system in the production of yellow cheese Martina Pencheva, Fatme Ismailova
FRI-LCR-P-2-BFT(R)-17:	Innovative approaches for integration of LCA thinking and methodology into the practice of the Bulgarian SMEs in the agri-food sector Velizara Pencheva, Asen Asenov, Juliana Popova, Stanka Damyanova, Pavel Vitliemov
FRI-LCR-P-2-BFT(R)-18:	Food safety at school canteens Martina Pencheva, Daniela Veselinova

Sessions Schedule

Програма

65th Annual Science Conference of Ruse University

2026

65^{ma} Годишна конференция на Русенския университет

2026

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