



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

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

# **Sessions Schedule & Abstracts**

## **Програма & Резюмета**

*62<sup>nd</sup> Annual Science Conference of Ruse University*

**NEW INDUSTRIES, DIGITAL ECONOMY, SOCIETY -  
PROJECTIONS OF THE FUTURE VI**

*62<sup>pa</sup> Годишна конференция на Русенския университет*

**НОВИ ИНДУСТРИИ, ДИГИТАЛНА ИКОНОМИКА, ОБЩЕСТВО –  
ПРОЕКЦИИ НА БЪДЕЩЕТО VI**

**2023 – Ruse, Razgrad, Silistra**

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## CONTENTS

<b>PROGRAMME COMMITTEE</b> .....	<b>5</b>
<b>ORGANISING COMMITTEE</b> .....	<b>8</b>
<b>MESSAGE FROM ORGANIZING COMMITTEE</b> .....	<b>10</b>
<b>PROGRAM OVERVIEW</b> .....	<b>12</b>
<b>OCTOBER RESEARCH CONFERENCE IN SILISTRA</b> .....	<b>12</b>
<b>OCTOBER RESEARCH CONFERENCE IN RUSE</b> .....	<b>13</b>
<b>NOVEMBER RESEARCH CONFERENCE IN RAZGRAD</b> .....	<b>17</b>
<b>SESSION SCHEDULE</b> .....	<b>18</b>
<b>OCTOBER RESEARCH CONFERENCE IN SILISTRA</b> .....	<b>18</b>
<b>OCTOBER RESEARCH CONFERENCE IN RUSE</b> .....	<b>21</b>
<b>NOVEMBER RESEARCH CONFERENCE IN RAZGRAD</b> .....	<b>41</b>
<b>ABSTRACTS</b> .....	<b>44</b>
<b>OCTOBER RESEARCH CONFERENCE IN SILISTRA</b> .....	<b>45</b>
FRI-229-1-KS(S) .....	45
FRI-110-1-PPM(S) .....	48
FRI-229-1-P(S) .....	57
FRI-229-2-P(S) .....	67
FRI-216-1-TS(S) .....	74
<b>OCTOBER RESEARCH CONFERENCE IN RUSE</b> .....	<b>83</b>
FRI-2G.204FS .....	83
FRI-8.303b-1-AMT&ASVM .....	88
FRI-1.317-1-MEMBT .....	93
FRI-1.202-1-MR .....	105
FRI-9.2-1-THPE .....	116
FRI-19.206-1-EC .....	128
FRI-2G.204-1-ID .....	138
FRI-10.326-1-EEEE .....	146
FRI-2G.303-1-CCT1 .....	160
FRI-2G.302-1-CCT2 .....	174
FRI-KC.H2-1-TMS .....	186
FRI-KC.H2-2-TMS .....	194
SAT-KC.H2-1-TMS .....	200
FRI-20.21-1-SITSTL .....	207
FRI-20.21-2-SITSTL .....	227
FRI-2B.412-1-EM1 .....	241
FRI-2G.404-1-EM2 .....	261

SAT-2B.412-1-EM1 .....	282
FRI-2G.510-1-ESIS1 .....	291
FRI-2G.510-1-ESIS2 .....	297
FRI-1.322-1-SW .....	304
FRI-1.414-1-MIP .....	326
FRI-2G.305-1-PP .....	338
FRI-2G.309-1-LL .....	355
FRI-12.23-1-AS .....	363
FRI-2G.307-1-ERI .....	369
SAT-2G.307-1-ERI .....	380
FRI-2K.201-1-HP .....	387
FRI-2G.309-1-MCDA .....	409
FRI-2G.104-1-HC .....	418
FRI-2G.104-1-HC-03 .....	421
FRI-2B.313-1-L .....	440
SAT-2B.313-1-L .....	461
FRI-2B.312-1-NS .....	480
FRI-2.104-1-QHE .....	489
<b>NOVEMBER RESEARCH CONFERENCE IN RAZGRAD .....</b>	<b>504</b>
FRI-LCR-KS(R) .....	504
FRI-LCR-1-CT(R) .....	506
FRI-LCR-1-BFT(R) .....	508
FRI-LCR-P-1-CT(R) .....	513
SAT -LCR-P-2-BFT(R) .....	540
<b>Chair &amp; Author Index .....</b>	<b>552</b>
Chair Index .....	552
Author Index .....	553

## **PROGRAMME COMMITTEE**

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## ORGANISING COMMITTEE

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

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Rector of UR, Chairperson of US - Ruse

#### ▪ Scientific Secretary:

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## MESSAGE FROM ORGANIZING COMMITTEE

DEAR CONFERENCE PARTICIPANTS,

The University of Ruse and the Ruse Union of Scientists are pleased to welcome you to the 62nd annual international scientific conference, which is jointly organized by our two institutions. The scientific and plenary sessions are held respectively: in Silistra on October 27, in Ruse - on October 27 and 28, and in Razgrad on November 3 and 4, 2023.

The theme of the conference is "New industries, digital economy, society - Projections of the future" - VI. The booklet includes the program and abstracts of more than 390 scientific reports that will be presented on all days of the session and other parallel forum events.

There are 30 thematic areas in the three cities of the forum (Ruse - 24, Silistra - 3, Razgrad - 3). The number of sessions in scientific areas, plenary reports and accompanying scientific events is 47 (Ruse - 37, Silistra - 5, Razgrad - 5). The total number of abstracts and plenary reports part of the program is 386 (Ruse - 317, Silistra - 29, Razgrad - 40).

Participants and listeners of the conference in the halls and online of the parallel scientific events are scientists and researchers from: Austria, Belgium, Bulgaria, Germany, Greece, Poland, France, Spain, India, Kazakhstan, Slovenia, Macedonia, Slovakia, Uzbekistan, Tajikistan, Ukraine, Moldova, Romania, Russia, Palestine.

The authors will discuss their views in the following research areas and topics that correspond to the theme of the conference:

*Agricultural machinery and technologies; Maintenance and reliability Thermal; Hydraulic and pneumatic equipment; Ecology and conservation; Chemical technologies; Biotechnology and food technology; Mechanical engineering and engineering technologies; Electrical engineering, electronics and automation; Communication systems and networks; Transport and Mechanical Science; Economics and Management; Intercultural and political communication; European studies and international security; Social work; Mathematics, Informatics and Physics; Pedagogy and psychology; History, ethnology and folklore; Linguistics, literature and art studies; Health promotion; Medical and clinical diagnostic activities; Healthcare; law; National Security; Quality of higher education.* We hope that the scientific reports and discussions will contribute to deepening the understanding related to various aspects of regional economic transformation based on the application of innovative strategies and approaches to new industries, the digital economy, society and its links with the business environment and quality of life. The use of systems thinking is the basis for creating effective applications and best practices in many areas of science and its impact on business development and growth. Due to the great interest of scientists from the country and abroad to the thematic areas under consideration in 2023, the theme "New industries, digital economy, society - Projections of the future - VI" this year has its sixth edition. The future is generated in three aspects that find enduring trends and evidence in the present.

The Union of Scientists in Ruse and the University of Ruse are characterized by their multi-profile identity and cover competences in all the above-mentioned scientific fields and fields of research.

All abstracts with keywords and a bibliography in English, approved for presentation at the conference, meet the layout requirements and are included in the "Collection of reports - Program and abstracts of the 62nd ISC of the University of Ruse"23.

Upcoming nominations from the Program Committee, up to two papers from each section (1 for an eminent scientist and 1 for a young scientist in the relevant scientific field), which are submitted and presented in English, will be published in the Collection of Works "Best Paper'23", in hard copy and online at the conference website.

After double-blind peer review, reports with significant contributions will be proposed for publication in the journal "Reports of the Union of Scientists - Ruse" and the thematic journals registered at NACID: "Journal of Entrepreneurship & Innovation" - paper/on-line (ERICH+; EBSCO, Library of Congress); "Agricultural, forestry and transport equipment and technologies"

and "Pedagogical innovations", distributed in many libraries in Bulgaria and abroad. After double-blind peer review, papers with significant contributions will be proposed for publication in the following journals, in accordance with their internal publication conditions: Transport Issues (Scopus); Proceedings of ComSysTech'24 (Scopus, WoS), Serbian Journal of Management (Scopus, WoS), Strategies of Education and Science Policy (WoS).

All other papers successfully approved by international double-blind peer review will be published in the relevant series "Proceedings of the University of Ruse," series 62, 2023 and online on the conference website: ISSN 1311-3321 (print); ISSN 2535-1028 (CD-ROM); ISSN 2603-4123 (online). The publication "Proceedings of the University of Ruse" was included in the international ISSN database, available at <https://portal.issn.org/>.

The electronic edition of "Proceedings of the University of Ruse" is registered in the ROAD online scientific resources portal with open access and in NACID.



Authors have one month to finalize their papers, abstracts and bibliography. The official volumes from Series 62 of the conference will be published online at: <http://conf.uni-ruse.bg>.

Welcome to the 62nd edition of the URAK&USR International Conference - live on our campus and online in the hybrid sessions provided with links in the program! Plenary presentations will be broadcast live on YouTube at:

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

From the conference co-organizers,

▪ **Chair:**

Acad. DTSc. Hristo Beloev, DHC mult., Academician of Bulgarian Academy of Sciences  
RECTOR of the URAK and CHAIRPERSON of the USR

▪ **Scientific Secretary:**

Prof. Diana Antonova DSc, Head of a University Scientific Research Complex

## PROGRAM OVERVIEW

### OCTOBER RESEARCH CONFERENCE IN SILISTRA

Friday 27 October 2023

09:30 – 10:00

*Registration (Room 113)*

10:00 – 11:30

*Plenary session (Room 229)*

*Session Chair: Rumiana Lebedova; Tel.: +359 88 763 2741*

*Online Moderator: Rumiana Lebedova; Tel.: +359 88 763 2741*

<https://meet1.uni-ruse.bg/b/kp9-jjv-kwrk>

*Keynote speakers:*

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

*Prof. Siyka Chavdarova – Kostova, DrSc*

*Faculty of education*

*Sofia University “St. Kliment Ohridski”*

*Topic: The Teacher of the Future – Between Tradition and Innovation*

**FRI-229-1-KS(S)-02:**

*Prof. Dr.Sc. Tsvetan Davidkov,*

*Faculty of Economics & Business Administration*

*Sofia University “St. Kliment Ohridski”*

*Topic: Occupations in the Perspective of Values*

**FRI-229-1-KS(S)-03:**

*Daniela-Carmen Stoica, PdD,*

*‘Fan S. Noli’*

*University of Korçë, Albania*

*Topic: Innovative Trends in Teaching and Learning Minority Languages*

13:00 – 14:30

*Parallel scientific events:*

**FRI-110-1-PPM(S)**

**Pedagogy; Psychology and Methodology of training in... (Room 110)**

*Session Chair: Evgenia Goranova; Tel.: +359 88 741 1590*

*Online Moderator: Evgenia Goranova; Tel.: +359 88 741 1590*

<https://meet1.uni-ruse.bg/b/k3d-zpe-fcn>

**FRI-229-1-P(S)**

**Philology (Room 229)**

*Session Chair: Rumiana Lebedova; Tel.: +359 88 763 2741*

*Online Moderator: Rumiana Lebedova; Tel.: +359 88 763 2741*

<https://meet1.uni-ruse.bg/b/kp9-jjv-kwrk>

**FRI-216-1-TS(S)**

**Technical Sciences (Room 216)**

*Session Chair: Konstantin Koev; Tel.: +359 87 906 2387*

*Online Moderator: Konstantin Koev; Tel.: +359 87 906 2387*

<https://meet1.uni-ruse.bg/b/fxk-a3q-uxx>

14:30 – 15:00

*Discussion*

15:00 – 15:15

*Coffee-break*

15:15 – 16:45

*Parallel scientific events:*

**FRI-229-2-P(S)**

**Philology (Room 229)**

*Session Chair: Rumiana Lebedova; Tel.: +359 88 763 2741*

*Online Moderator: Rumiana Lebedova; Tel.: +359 88 763 2741*

<https://meet1.uni-ruse.bg/b/kp9-jjv-kwrk>

16:45 – 17:15

*Discussion*

OCTOBER RESEARCH CONFERENCE IN RUSE

Friday 27 October 2023

09:00 – 10:30

Registration - room 1.322

11:00 – 13:30

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

Session Chair: Prof. Diana Antonova DSc,

<https://www.youtube.com/watch?v=42hAFZ8n7yo>

Key Speakers:

FRI-2G.204FS-01:

Dr. Michelle Perello

Founder and Director of Consulta Europa, Las Palmas, Canarias, Spain

Topic: EU Projects for Modernization and Competitiveness of Universities

FRI-2G.204FS-02:

Assoc. Prof. Bogdan Fleaka, PhD

Polytechnic University, Bucharest, Romania

Topic: Analysis of Current Trends in Monitoring Sustainable Development

FRI-2G.204FS-03:

Uwe Koehler

General Manager at Husqvarna Construction Tools, Ruse, Bulgaria

Topic: The Transition to Industry 5.0 and its Impact on People's Lives

FRI-2G.204FS-04:

Prof. Donka Baikova, DSc

Nutrition and Dietetics Specialist

Topic: Nutrition in the Prevention of Modern Socially Significant Chronic Non-Infectious and Acute Viral Diseases

14:00 - 15:00

Parallel Science Event - **Book premiere:** Ivelina Vatoва - Geocommunication and the Asian century (Policies, strategies and public images in the international communication of the 21st century) - Room 1.322, Rectory

Session Chair: Ani Popova; Tel.: 0889874219

Online Moderator: Irina Kostadinova; Tel.: 0887934639

Join Zoom Meeting ID: 823 7507 2596, Passcode: 770563

<https://us02web.zoom.us/j/82375072596?pwd=M2hYZFVzMUFEbG1Zd01TOUpkcFN4QT09>

14:00 – 15:30

Parallel Science Event - Design Management Firm “Modern World” Presentation (Hall „Werner von Siemens“ 2G.204)

Session Chair: Jordan Doichinov; Tel.: 0887273040

15:00 – 16:00

Parallel Science Event - **Web Seminar HORIZON**, Room 1.322, Rectory

Session Chair: Daniel Pavlov; Tel.: 0884343132

Online Moderator: Svilen Kunev; Tel.: 0887934639

<https://www.youtube.com/watch?v=k-tDgsLMUNM>

15:30 – 16:00

Coffee Break Kanev Center (Catering Hall)

16:00 – 18:30

Discussion Scientific Session; Social Activities - Room 1.322, Rectory

Session Chair: Ani Popova; Tel.: 0889874219

Online Moderator: Irina Kostadinova; Tel.: 0887934639

Join Zoom Meeting ID: 823 7507 2596, Passcode: 770563

<https://us02web.zoom.us/j/82375072596?pwd=M2hYZFVzMUFEbG1Zd01TOUpkcFN4QT09>

14:00 – 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.: 0885 497 406

Online Moderator: Atanas Atanasov; Tel.: 0885 497 406

<https://meet.uni-ruse.bg/b/jkz-y22-3jf>

FRI-1.317-1-MEMBT

Mechanical Engineering and Machine-Building Technology (Room 1.317)

Session Chair: Ivelin Ivanov

Online Moderator: prof. Ivelin Ivanov

<https://meet1.uni-ruse.bg/b/vrc-ur4-mj9>

FRI-1.202-1-MR

Maintenance and Reliability (Room 1.202)

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

Online Moderator: Mitko Nikolov; Tel.: 082 888 458

<http://bbb.uni-ruse.bg/b/nwu-mx7-rrh>

- FRI-9.2-1-THPE** Thermal, Hydro- and Pneumatic Equipment (Room 9.2)  
*Session Chair: Gencho Popov*  
*Online Moderator: Gencho Popov; Tel.: 082 888 441*  
<https://meet1.uni-ruse.bg/b/v49-x2n-6vf>
- FRI-19.206-1-EC** Ecology and Conservation (Room 19.206)  
*Session Chair: Plamen Manev; Tel.: 082 888 485*  
*Online Moderator: Plamen Manev; Tel.: 082 888 485*  
<https://meet1.uni-ruse.bg/b/v49-x2n-6vf>
- FRI-16.203-1-ID** Industrial Design (Room 2G.204 (Hall “Werner von Siemens”))  
*Session Chair: Yordan Doychinov; Tel: 088 727 3040*  
*Online Moderator: Yordan Doychinov; Tel.: 088 727 3040*  
<https://meet1.uni-ruse.bg/b/cj3-qnb-cs8-4qw>
- FRI-10.326-1-EEEE** Electrical Engineering, Electronics and Automation (Room 10.326)  
*Session Chair: Boris Evstatiev*  
*Online Moderator: Boris Evstatiev*  
<https://meet.uni-ruse.bg/b/ej9-xny-fh6>
- FRI-2G.303-1-CCT1** Communication and Computer Technologies 1  
*Session Chair: Tsvetozar Georgiev*
- FRI-2G.302-1-CCT2** Communication and Computer Technologies 2  
*Session Chair: Georgi Hristov*
- FRI-KC.H2-1-TMS** Transport and Machine Science (Room 2. Kaneff Centre)  
*Session Chair: Rosen Ivanov*  
*Online Moderator: Simeon Iliev*  
<https://meet.uni-ruse.bg/b/4g4-mju-qth>
- FRI-KC.H2-2-TMS** Transport and Machine Science (Room 2. Kaneff Centre)  
*Session Chair: Rosen Ivanov*  
*Online Moderator: Simeon Iliev*  
<https://meet.uni-ruse.bg/b/4g4-mju-qth>
- FRI-20.21-1-SITSTL** Sustainable and Intelligent Transport Systems, Technologies and Logistics (Room 20.21)  
*Session Chair: Velizara Pencheva*  
*Online Moderator: Mihail Milchev*  
<https://meet1.uni-ruse.bg/b/an2-dwd-anz>
- FRI-20.21-2-SITSTL** Sustainable and Intelligent Transport Systems, Technologies and Logistics (Room 20.21)  
*Session Chair: Ivan Beloev*  
*Online Moderator: Mihail Milchev, Tel.: 0882390080*  
<https://meet1.uni-ruse.bg/b/an2-dwd-anz>
- FRI-2B.412-1-EM1** Economics and Management 1 (Room 2B.412)  
*Session Chair: Anton Nedyalkov*  
*Online Moderator: Igor Sheludko*  
<https://meet.uni-ruse.bg/b/une-kze-fwa>
- FRI-2G.404-1-EM2** Economics and Management 2 (Room 2G.404)  
*Session Chair: Aleksandar Kosuliev*  
*Moderator: Elizar Stanev*
- FRI-2G.510-1-ESIS1** European Studies and International Security (Room 2G.510)  
*Session Chair: Vladimir Chukov*  
*Online Moderator: Eva Parvanova*  
<https://bbb.uni-ruse.bg/b/eva-4u4-y2n>
- FRI-2G.510-1-ESIS2** European Studies and International Security (Room 2G.510)  
*Session Chair: Mimi Kornazheva*  
*Online Moderator: Eva Parvanova*  
<https://bbb.uni-ruse.bg/b/eva-4u4-y2n>
- FRI-1.414-1-MIP** Mathematics, Informatics and Physics (Room 1.414)  
*Session Chair: Tsvetomir Vasilev*  
*Online Moderator: Tsvetomir Vasilev; Tel.: 0888 270 326*  
<https://exam-bbb.uni-ruse.bg/b/tzy-vtc-rae>
- FRI-2G.305-1-PP** Pedagogy and Psychology (Room 2G.305)

	<i>Session Chair: Galina Georgieva</i> <i>Online Moderator: Valentina Vasileva; Tel.: 0898 407 577</i> <a href="https://exam-bbb.uni-ruse.bg/b/4ah-9aa-gwh">https://exam-bbb.uni-ruse.bg/b/4ah-9aa-gwh</a>
<b>FRI-2G.309-1-LL</b>	<b>Linguistics and Literature (Room 2G.309)</b> <i>Session Chair: Velislava Doneva</i> <i>Online Moderator: Velislava Doneva; Tel.: 0886 060 299</i> <a href="https://us04web.zoom.us/j/6314611859?pwd=K2dsWU9ONXA2NWdhZGY4RHZMVK1UzZ09">https://us04web.zoom.us/j/6314611859?pwd=K2dsWU9ONXA2NWdhZGY4RHZMVK1UzZ09</a>
<b>FRI-12.23-1-AS</b>	<b>Art Studies (Room 12.23)</b> <i>Session Chair: Petya Stefanova</i> <i>Online Moderator: Petya Stefanova; Tel.: 0896 820 470</i> <a href="https://us04web.zoom.us/j/2038807908?pwd=Y3NMVW9hOWFMcU9ldlpHblZuWHpyZz09">https://us04web.zoom.us/j/2038807908?pwd=Y3NMVW9hOWFMcU9ldlpHblZuWHpyZz09</a>
<b>FRI-2G.307-1-ERI</b>	<b>Education – Research and Innovations (Room 12.23)</b> <i>Session Chair: Emilia Velikova</i> <i>Online Moderator: Ralica Vasileva; Tel.: 0884 109719</i> <a href="https://meet.uni-ruse.bg/b/k2w-44r-rcm">https://meet.uni-ruse.bg/b/k2w-44r-rcm</a>
<b>FRI-2K.201-1-HP</b>	<b>Health Promotion (Room 2K.201)</b> <i>Session Chair: Stefka Mindova</i> <i>Online Moderator: Stefka Mindova</i> <a href="https://meet.uni-ruse.bg/b/awn-2yw-vdm">https://meet.uni-ruse.bg/b/awn-2yw-vdm</a>
<b>FRI-2G.309-1-MCDA</b>	<b>Medical and Clinical Diagnostic Activities (Room 2G.309)</b> <i>Session Chair: Denitsa Trancheva</i> <i>Online Moderator: Denitsa Trancheva</i> <a href="https://meet.uni-ruse.bg/b/rca-mfr-uah">https://meet.uni-ruse.bg/b/rca-mfr-uah</a>
<b>FRI-2G.104-1-HC</b>	<b>Health Care (Room 2G.104)</b> <i>Session Chair: Tsveta Hristova</i> <i>Online Moderator: Tsveta Hristova</i> <a href="https://meet1.uni-ruse.bg/b/wc2-juu-j7m">https://meet1.uni-ruse.bg/b/wc2-juu-j7m</a>
<b>FRI-2B.313-1-L</b>	<b>Law</b> <i>Session Chair: Elitsa Kumanova</i> <i>Online Moderator: Elitsa Kumanova; Tel: 082888434</i> <a href="https://meet1.uni-ruse.bg/b/juc-2fn-nar">https://meet1.uni-ruse.bg/b/juc-2fn-nar</a>
<b>FRI-2B.312-1-NS</b>	<b>National Security (Room 2B.312)</b> <i>Session Chair: Milen Ivanov</i> <i>Online Moderator: Milen Ivanov; Tel: 082888736</i> <a href="https://exam-bbb.uni-ruse.bg/b/kre-ztf-vc2">https://exam-bbb.uni-ruse.bg/b/kre-ztf-vc2</a>
<b>FRI-2.104-1-QHE</b>	<b>Quality of Higher Education (Room 2.104)</b> <i>Session Chair: Ivanichka Serbezova</i>
<b>16:00 – 18:30</b>	<b>Parallel Scientific Session:</b>
<b>FRI-1.322-1-SW</b>	<b>Social Work (Room 1.322)</b> <i>Session Chair: Ana Popova</i> <i>Online Moderator: Irina Kostadinova</i> <a href="https://us02web.zoom.us/j/82375072596?pwd=M2hYZFVsMUFEbG1Zd01TOUpkcFN4QT09">https://us02web.zoom.us/j/82375072596?pwd=M2hYZFVsMUFEbG1Zd01TOUpkcFN4QT09</a> <a href="https://us02web.zoom.us/j/82375072596?pwd=M2hYZFVsMUFEbG1Zd01TOUpkcFN4QT09">Meeting ID: 823 7507 2596 Passcode: 770563</a>

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**19:30 – 23:00**

**Ball of Scientists – Riga Hotels**

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**Saturday 28 October 2023**

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**09:00 – 13:30**

**Parallel Scientific Sessions:**

**SAT-2B.412-1-EM1**

**Economics and Management 1 (Room 2B.412)**

*Session Chair: Anton Nedyalkov*

*Moderator: Igor Sheludko*

<https://meet.uni-ruse.bg/b/une-kze-fwa>

**SAT-2G.307-1-ERI**

**Education – Research and Innovations (Room 2G.307)**

*Session Chair: Emilia Velikova*

*Online Moderator: Ralica Vasileva; Tel.: 0884 109719*

<https://meet.uni-ruse.bg/b/k2w-44r-rcm>

**SAT-KC.H2-1-TMS**

**Transport and Machine Science (Room 2. Kaneff Centre)**

*Session Chair: Rosen Ivanov*

*Online Moderator: Simeon Iliev*

<https://meet.uni-ruse.bg/b/4g4-mju-qth>

**SAT-2B.313-1-L**

**Law**

*Session Chair: Kremena Rayanova*

*Online Moderator: Kremena Rayanova; Tel: 082888740*

<https://meet1.uni-ruse.bg/b/juc-2fn-nar>

**NOVEMBER RESEARCH CONFERENCE IN RAZGRAD**

**Friday 03 November 2023**

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- 11:00 – 12:30** **Opening, Plenary Session: Large Conference Room**  
*Session Chair: Prof. Tsvetan Dimitrov, PhD*  
*Online Moderator: Prof. Tsvetan Dimitrov, PhD;*  
*Tel. +359887631645*  
<https://meet.uni-ruse.bg/b/fht-4en-rjy>
- FRI-LCR-KS(R)-01:** **Prof. Angel Smrikarov, PhD**  
“Angel Kanchev” University of Ruse  
*Professions of the future (Professions with a future)*
- FRI-LCR-KS(R)-02:** **Prof. Rositsa Nikolova, PhD**  
Institute of Mineralogy and Crystallography  
*Hydrates and complexes of magnesium sulphates - synthesis, structure, properties*
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**13:30 – 15:30** *Parallel scientific events: Large Conference Room*

- FRI-LCR-1-CT(R)** **Chemical Technologies**  
*Session Chair: Temenuzhka Haralanova*  
*Online Moderator: Temenuzhka Haralanova*  
*Tel. +359878557143*  
<https://meet.uni-ruse.bg/b/fht-4en-rjy>
- FRI-LCR-1-BFT(R)** **Biotechnologies and Food Technologies**  
*Session Chair: Iliana Kostova*  
*Online Moderator: Iliana Kostova*  
*Tel. +359886430204*  
<https://meet.uni-ruse.bg/b/fht-4en-rjy>
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**15:30 – 18:00** *Parallel Poster Sessions: Large Conference Room*

- FRI-LCR-P-1-CT(R)** **Chemical Technologies**  
*Session Chair: Tsvetan Dimitrov*  
*Online Moderator: Tsvetan Dimitrov*  
*Tel. +359887631645*  
<https://meet.uni-ruse.bg/b/fht-4en-rjy>
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**Saturday 04 November 2023**

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- 09:00 – 12:00** *Parallel Poster Sessions: Large Conference Room*
- SAT-LCR-P-1-BFT(R)** **Biotechnologies and Food Technologies**  
*Session Chair: Stanka Damyanova*  
*Online Moderator: Stanka Damyanova, Tel. +359882669689*  
<https://meet.uni-ruse.bg/b/fht-4en-rjy>

## SESSION SCHEDULE

### OCTOBER RESEARCH CONFERENCE IN SILISTRA

Friday 27 October 2023

09:30 – 10:00	Registration, (Room 113)
10:00 – 11:30	<b>Plenary session, Room 229</b> <i>Session Chair: Rumiana Lebedova; Tel.: +359 88 763 2741</i> <i>Online Moderator: Rumiana Lebedova; Tel.: +359 88 763 2741</i> <a href="https://meet1.uni-ruse.bg/b/kp9-jjv-kwrk">https://meet1.uni-ruse.bg/b/kp9-jjv-kwrk</a> <b>Keynote speakers:</b>
FRI-229-1-KS(S)-01:	<b>Prof. Siyka Chavdarova – Kostova, DrSc</b> <i>Faculty of education</i> <i>Sofia University “St. Kliment Ohridski”</i> <b>Topic: The Teacher of the Future – Between Tradition and Innovation</b>
FRI-229-1-KS(S)-02:	<b>Prof. Dr.Sc. Tsvetan Davidkov,</b> <i>Faculty of Economics &amp; Business Administration</i> <i>Sofia University “St. Kliment Ohridski”</i> <b>Topic: Occupations in the Perspective of Values</b>
FRI-229-1-KS(S)-03:	<b>Daniela-Carmen Stoica, PdD,</b> <i>‘Fan S. Noli’ University of Korçë, Albania</i> <b>Topic: Innovative Trends in Teaching and Learning Minority Languages</b>
13:00 – 14:30	<b>Parallel Session, Room 110</b>
FRI-110-1-PPM(S)	<b>Pedagogy; Psychology and Methodology of training in...</b> <i>Session Chair: Evgenia Goranova; Tel.: +359 88 741 1590</i> <i>Online Moderator: Evgenia Goranova; Tel.: +359 88 741 1590</i> <a href="https://meet1.uni-ruse.bg/b/k3d-zpe-fcn">https://meet1.uni-ruse.bg/b/k3d-zpe-fcn</a>
FRI-110-1-PPM(S)-01:	Innovative Model for Experiential Learning or How to Build Capacities of Youths on the Ground <b>Diana Bebenova-Nikolova, Diana Zhelezova-Mindizova</b>
FRI-110-1-PPM(S)-02:	Preliminary Preparation for a Tour Guide Speech <b>Zahariy Dechev</b>
FRI-110-1-PPM(S)-03:	An Approach to Implementing Information Technologies in STEM Education <b>Evgenia Goranova</b>
FRI-110-1-PPM(S)-04:	The Duality of Dual Education in Bulgaria <b>Diana Zhelezova-Mindizova, Diana Bebenova-Nikolova</b>
FRI-110-1-PPM(S)-05:	Innovative Methods and Approaches in Literature Training of Students - Future Teachers <b>Galina Lecheva</b>
FRI-110-1-PPM(S)-06	Specialised Speech Training for Future Tour Guides <b>Zahariy Dechev</b>
FRI-110-1-PPM(S)-07	The Pact for Skills – A Tool to Access Upskilling and Reskilling Needs <b>Diana Zhelezova-Mindizova</b>
13:00 – 14:30	<b>Parallel Session, Room 229</b>
FRI-229-1-P(S)	<b>Philology</b> <i>Session Chair: Rumiana Lebedova; Tel.: +359 88 763 2741</i> <i>Online Moderator: Rumiana Lebedova; Tel.: +359 88 763 2741</i> <a href="https://meet1.uni-ruse.bg/b/kp9-jjv-kwrk">https://meet1.uni-ruse.bg/b/kp9-jjv-kwrk</a>
FRI-229-1-P(S)-01:	Phonetic Features of the Eastern-Rhodopian Gorno Kapinovo Dialect, Kirkovo Region <b>Ivan Iliev</b>
FRI-229-1-P(S)-02:	Lexical Similarities Between the Bulgarian Word <i>Ипаг</i> and the French Word <i>Seuil</i> <b>Nevena Stoyanova</b>

- FRI-229-1-P(S)-03: Cases of Functional Ellipsis of a Pronominal Subject Argument in French  
**Veska Kirilova**
- FRI-229-1-P(S)-04: What Will These Bones Tell? Study of Selected Rurik Burials Using the NAA Method  
**Tatyana Strokovska, N. Glombotcka, A. Dimitriev, O. Filipova, S. Lennik**
- FRI-229-1-P(S)-05: The Scientific Missions of Mihail Arnaudov in the Newly Liberated Bulgarian Lands During the Wars for National Unification. (Hundred Years of the Publication of the Collection "Northern Dobruja. Ethnographic Observations and Folk Songs")  
**Snezhanka Gencheva**
- FRI-229-1-P(S)-06: Morphological, Syntactical, and Lexical Features of the Eastern-Rhodopian Vishnevo Dialect  
**Ivan Iliev**
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**FRI-229-2-P(S)**

**Philology**

*Session Chair: Rumiana Lebedova; Tel.: +359 88 763 2741*

*Online Moderator: Rumiana Lebedova; Tel.: +359 88 763 2741*

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

- FRI-229-2-P(S)-01: The Renaissans Spirit and the European Horizon in the Work of Pirin Boyadjiev  
**Rumiana Lebedova**
- FRI-229-2-P(S)-02: The swan monologues of Pirin Boyadzhiev  
**Todorka Georgieva**
- FRI-229-2-P(S)-03: Rare Words in the Words of Kliment Ohridski From "Zlatostruy"  
**Maria Tomova-Mikhneva**
- FRI-229-2-P(S)-04: The Cinema in Silistra (1940-1958)  
**Natalia Mincheva**
- FRI-229-2-P(S)-05: Vazov and Eminescu – Symbols of Timeless Spirituality and National Consciousness  
**Silvia Angelova**
- FRI-229-2-P(S)-06: Local Police, in the Line of Duty for the Community  
**Alina Costea**
- FRI-229-2-P(S)-07: Docho Mihailov Between Truth and Myths  
**Valentin Sabkov**

**16:45 – 17:15**

*Discussion*

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**13:00 – 14:30**

*Parallel Session, Room 216*

**FRI-216-1-TS(S)**

**Technical Sciences (Room 216)**

*Session Chair: Konstantin Koev; Tel.: +359 87 906 2387*

*Online Moderator: Konstantin Koev; Tel.: +359 87 906 2387*

<https://meet1.uni-ruse.bg/b/fxk-a3q-uxx>

- FRI-216-1-TS(S)-01: Software Modeling of a Catalysis Autowave Process  
**Kristina Ilieva-Stoycheva**
- FRI-216-1-TS(S)-02: Overview Analysis of the Types of Headers Used in the Operation of Grain Harvester  
**Petya Marinova, Svilen Stoyanov, Asparuh Atanasov**
- FRI-216-1-TS(S)-03: Opportunities to Increase the Efficiency of Street Lighting  
**Nikolay Valov, Stoyan Nyagolov, Martin Deyanov, Donka Ivanova**
- FRI-216-1-TS(S)-04: Investigation on some Electrical Parameters During Duty Cycles of a Metals Melting Electric Induction Furnace  
**Svetlozar Grigorov, Konstantin Koev**
- FRI-216-1-TS(S)-05: Comparison of Electric Batteries According to Some Operational Properties  
**Milen Sapundzhiev, Valentin Manev**
- FRI-216-1-TS(S)-06: Most Common Causes of Deviations in the Hydraulic Characteristics of Common Rail Nozzles  
**Valentin Manev, Milen Sapundzhiev**

**14:30 – 15:00**

*Discussion*

**15:00 – 15:15**

*Coffee-break*

**OCTOBER RESEARCH CONFERENCE IN RUSE**

Friday 27 October 2023

09:00 – 10:30

*Registration - room 1.322*

11:00 – 13:30

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

*Session Chair: Prof. Diana Antonova DSc,*

<https://www.youtube.com/watch?v=42hAFZ8n7yo>

*Key Speakers:*

**FRI-2G.204FS-01:**

*Dr. Michelle Perello*

*Founder and Director of Consulta Europa, Las Palmas, Canarias, Spain*

*Topic: EU Projects for Modernization and Competitiveness of Universities*

**FRI-2G.204FS-02:**

*Assoc. Prof. Bogdan Fleaka, PhD*

*Polytechnic University, Bucharest, Romania*

*Topic: Analysis of Current Trends in Monitoring Sustainable Development*

**FRI-2G.204FS-03:**

*Uwe Koehler*

*General Manager at Husqvarna Construction Tools, Ruse, Bulgaria*

*Topic: The Transition to Industry 5.0 and its Impact on People's Lives*

**FRI-2G.204FS-04:**

*Prof. Donka Baikova, DSc*

*Nutrition and Dietetics Specialist*

*Topic: Nutrition in the Prevention of Modern Socially Significant Chronic Non-Infectious and Acute Viral Diseases*

14:00 - 15:00

Parallel Science Event - *Book premiere:* Ivelina Vatoва - Geocommunication and the Asian century (Policies, strategies and public images in the international communication of the 21st century) - Room 1.322, Rectory

*Session Chair: Ani Popova; Tel.: 0889874219*

*Online Moderator: Irina Kostadinova; Tel.: 0887934639*

[Join Zoom Meeting ID: 823 7507 2596, Passcode: 770563](https://us02web.zoom.us/j/82375072596?pwd=M2hYZFVzMUFEbG1Zd01TOUpkcFN4QT09)

<https://us02web.zoom.us/j/82375072596?pwd=M2hYZFVzMUFEbG1Zd01TOUpkcFN4QT09>

14:00 – 15:30

Parallel Science Event - Design Management Firm “Modern World” Presentation (Hall „Werner von Siemens“ 2G.204)

*Session Chair: Jordan Doichinov; Tel.: 0887273040*

15:00 – 16:00

Parallel Science Event - *Web Seminar HORIZON*, Room 1.322, Rectory

*Session Chair: Daniel Pavlov; Tel.: 0884343132*

*Online Moderator: Svilen Kunev; Tel.: 0887934639*

<https://www.youtube.com/watch?v=k-tDgsLMUNM>

15:30 – 16:00

*Coffee Break Kanev Center (Catering Hall)*

16:00 – 18:30

*Discussion Scientific Session; Social Activities* - Room 1.322, Rectory

*Session Chair: Ani Popova; Tel.: 0889874219*

*Online Moderator: Irina Kostadinova; Tel.: 0887934639*

[Join Zoom Meeting ID: 823 7507 2596, Passcode: 770563](https://us02web.zoom.us/j/82375072596?pwd=M2hYZFVzMUFEbG1Zd01TOUpkcFN4QT09)

<https://us02web.zoom.us/j/82375072596?pwd=M2hYZFVzMUFEbG1Zd01TOUpkcFN4QT09>

14:00 – 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.: 0885 497 406*

*Online Moderator: Atanas Atanasov; Tel.: 0885 497 406*

<https://meet.uni-ruse.bg/b/jkz-y22-3jf>

**FRI-8.303b-1-AMT&ASVM-01:** Comparative Testing of Early Maize Hybrids, Cultivated for Grain Under Non-Irrigation in Northeastern Region

**Dimitriya Ilieva, Petar Dosev**

**FRI-8.303b-1-AMT&ASVM-02:** Efficient Energy Use in Agricultural Machinery and Technologies

**Sadetin Basri, Evgeni Enchev**

**FRI-8.303b-1-AMT&ASVM-03:** Intelligent Resource Management Systems in Agricultural Technology

**Sadetin Basri, Evgeni Enchev**

FRI-8.303b-1-AMT&ASVM-04: Analysis of Existing Systems for Monitoring Bee Colonies  
**Iliana Ivanova**

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**14:00 – 18:30**

*Parallel Sessions Online, Room 1.317*

**FRI-1.317-1-MEMBT**

**Mechanical Engineering and Machine-Building Technology**

*Session Chair: Ivelin Ivanov*

*Online Moderator: prof. Ivelin Ivanov*

<https://meet1.uni-ruse.bg/b/vrc-ur4-mj9>

FRI-1.317-1-MEMBT-01:

Technological Characteristics of Covered Electrodes from the Nomenclature of „Electrodes Factory” Ltd – Ihtiman

**Nikolay Ferdinandov**

FRI-1.317-1-MEMBT-02:

Investigation of the Influence of Chemical Composition on Hardenability Bands for Quenching and Tempering Steels

**Iliyan Danev, Rossen Radev, Danail Gospodinov**

FRI-1.317-1-MEMBT-03:

Investigation of the Possibility of Modifying a Thermal Probe in Nickel-Alloy Probe Test Method

**Danail Gospodinov**

FRI-1.317-1-MEMBT-04:

Method for Measuring the Relief Angles of Twist Drills Using Cad Systems

**Aleksandar Ivanov, Anton Grozev**

FRI-1.317-1-MEMBT-05:

Overview of the Railway Sector in Bulgaria

**Svilen Gardev**

FRI-1.317-1-MEMBT-06:

Automated Palletizing of Packaged Products

**Ivanka Peeva, Chavdar Kostadinov**

FRI-1.317-1-MEMBT-07:

Investigation Of the Influence of Structural Parameters on the Natural Frequencies of a Thin-Walled Beam

**Dimitar Dimitrov, Pavel Petrov**

FRI-1.317-1-MEMBT-08:

Analysis and Classification of Approaches from Practice to Limit the Occurrence of Vibrations in the Mechanical Processing of Machine Parts by Cutting

**Dimitar Dimitrov, Nikolay Stankov**

FRI-1.317-1-MEMBT-09:

Study the Influence of the Grain Size on the Surface Morfology in Laser Engraving

**Veselin Hristov, Roussi Minev, Emil Yankov, Mariana Ilieva**

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**14:00 – 18:30**

*Parallel Scientific Sessions, Room 1.202*

**FRI-1.202-1-MR**

**Maintenance and Reliability**

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

*Online Moderator: Mitko Nikolov; Tel.: 082 888 458*

<http://bbb.uni-ruse.bg/b/nwu-mx7-rrh>

FRI-1.202-1-MR-01:

Operation of Frequency-Controlled Coned Electric Hoist Motor

**Toni Uzunov**

FRI-1.202-1-MR-02:

Problems and Challenges During Restoration of Vintage Collectibles

**Iliya Todorov**

FRI-1.202-1-MR-03:

Investigation of the Influence of the Vibration Amplitude on the Electrical Parameters During the Vibro-Arc Welding of Cast Iron Details in Argon

**Mitko Nikolov**

FRI-1.202-1-MR-04:

Methods of Increasing the Reliability of Agricultural Machinery

**Mitko Nikolov, Plamen Kangalov**

FRI-1.202-1-MR-05:

Analysis of Used Motor Lubricants as an Element of Machines Condition Based Maintenance

**Plamen Shahanov, Todor Delikostov**

FRI-1.202-1-MR-06:

Development of Maintenance Philosophy of Machines

**Dian Nikolov, Todor Delikostov**

FRI-1.202-1-MR-07:

Study of Loading Intensity of the Railway Rails in the Railway District of Ruse

- Borislav Valchev, Daniel Bekana**  
FRI-1.202-1-MR-08: Research on Rail Defects Detection with Non-Destructive Testing  
**Borislav Valchev, Daniel Bekana**  
FRI-1.202-1-MR-09: Analysis of the Quantitative and Age Composition of Agricultural Machines in Used in Bulgaria  
**Ivan Ivanov, Daniel Bekana**
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**14:00 – 18:30**

**Parallel Scientific Sessions, Room 9.2**

**FRI-9.2-1-THPE**

**Thermal, Hydro-and Pneumatic Equipment**

*Session Chair: Gencho Popov*

*Online Moderator: Gencho Popov; Tel.: 082 888 441*

<https://meet1.uni-ruse.bg/b/v49-x2n-6vf>

FRI-9.2-1-THPE-01:

Variation of Slip Factor in Multistage Centrifugal Pumps

**Gencho Popov, Kliment Klimentov, Desislava Nikolova**

FRI-9.2-1-THPE-02:

Influence of Steam Parameters on Steam Turbine Efficiency

**Ivan Petrov, Plamen Mushakov**

FRI-9.2-1-THPE-03:

Evaluation of the Effect of Using with Drainback Solar Thermal Installation to Support the Heating of with Public Building

**Pencho Zlatev**

FRI-9.2-1-THPE-04:

Influence of the Diffuser Location on the Ventilation System Curve

**Gencho Popov, Kliment Klimentov, Boris Kostov, Lachezar Kamenov**

FRI-9.2-1-THPE-05:

Analysis of Sizing Methods for Air Duct Networks

**Gencho Popov, Kliment Klimentov, Boris Kostov, Nedelcho Kovachev**

FRI-9.2-1-THPE-06:

Speed Control of Pneumatic Power Transmission Systems Using On-Off Valves with Pulse Width Modulation

**Hristo Hristov, Georgi Iliev, Docho Dimitrov**

FRI-9.2-1-THPE-07:

Integrated System for Automated Design of with Standardized ISO 5801:2007 Flowmeter Venturi Inlet Nozzle Utilizing 3D Technologies

**Ivaylo Nikolaev, Kliment Klimentov**

FRI-9.2-1-THPE-08:

Modeling of Hydraulic Unit in Dynamicoperation Mode

**Imren Ismail, Gencho Popov, Krasimir Ormandzhiev**

FRI-9.2-1-THPE-09:

Electro-Hydraulic Actuator Systems with Intelligent Control - State and Prospects for Development

**Krasen Kostov**

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**14:00 – 18:30**

**Parallel Scientific Sessions, Room 19.206**

**FRI-19.206-1-EC**

**Ecology and Conservation**

*Session Chair: Plamen Manev; Tel.: 082 888 485*

*Online Moderator: Plamen Manev; Tel.: 082 888 485*

<https://meet1.uni-ruse.bg/b/v49-x2n-6vf>

FRI-19.206-1-EC-01:

Organic Farming in Bulgaria. Features and Development Prerequisites

**Ventsislav Dobrinov**

FRI-19.206-1-EC-02:

Environmental Problems of Soil Caused by Climate Change and Agricultural Activities

**Ventsislav Dobrinov**

FRI-19.206-1-EC-03:

Noise Characteristics of the Sound Signaling Device of a Road Vehicle

**Nikolay Kovachev**

FRI-19.206-1-EC-04:

Assessment of the Readiness for Action of Different Target Groups in the Event of Natural or Man-Made Disasters

**Plamen Manev**

FRI-19.206-1-EC-05:

Environmental Risk Analysis in a Pulp Mill Accident and Disaster Plan

**Lyubomir Vladimirov**

FRI-19.206-1-EC-06:

Study of Legal Requirements and Regulations for Waste Treatment

**Hristo Georgiev, Lyubomir Vladimirov**

FRI-19.206-1-EC-07: An Integrated Approach to Meeting Regional Energy Needs by Creating “Working Bodies” (Energy Communities) to Make Our Municipalities Energy Independent and Environmentally Sustainable  
**Konstantin Velev, Evelina Veleva**

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**16:00 – 17:30** *Parallel Scientific Sessions, Room 2G.204 (Hall „Werner von Siemens“)*

**FRI-2G.204-1-ID**

**Industrial Design**

*Session Chair: Yordan Doychinov; Tel: 088 727 3040*

*Online Moderator: Yordan Doychinov; Tel.: 088 727 3040*

<https://meet1.uni-ruse.bg/b/cj3-qnb-cs8-4qw>

FRI-2G.204-1-ID-01: Defining Phases and Critical Points During the First Stage of the “Design Process”

**Silvia Tcheparova**

FRI-2G.204-1-ID-02: Specific Functional, Aesthetic and Ergonomic aspects in the Process of Designing the Interior of a Conference Hall

**Yordan Doychinov**

FRI-2G.204-1-ID-03: Bulgarian and Western European Industrial Design in the Second Half of 20th Century. Modern Practices in Bulgarian Industrial Design

**Simeon Andreev**

FRI-2G.204-1-ID-04: Visual Rhetoric in Advertising

**Cvetomir Konov**

FRI-2G.204-1-ID-05: Tattoo Culture

**Milen Minchev**

FRI-2G.204-1-ID-06: Implantation of a Stationary Cover in the Design of a Smoking Pipe with Air Chamber and 9-Milimeter Filter

**Desislav Gechev Ivanov**

FRI-2G.204-1-ID-07: Enrichment of the Basic Graphic Technique “Etching” with an Additional Technique, Based on the Texture of Polyurethane Foam

**Desislav Gechev Ivanov**

FRI-2G.204-1-ID-08: A Technology for Digitizing, Redesigning and Modeling Existing Freeforms by Discovering Their “Ideal” Shape

**Kamen Uzunov**

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**14:00 – 18:30** *Parallel Scientific Sessions Online, Room 10.326*

**FRI-10.326-1-EEEE**

**Electrical Engineering, Electronics and Automation**

*Session Chair: Boris Evstatiev*

*Online Moderator: Boris Evstatiev*

<https://meet.uni-ruse.bg/b/ej9-xny-fh6>

FRI-10.326-1-EEEE-01: Soil Moisture Remote Sensing in Agriculture: a Review

**Svetoslav Atanasov, Plamen Daskalov, Tanya Pechlivanova-Gotcheva**

FRI-10.326-1-EEEE-02: An Investigation of the Influence of an Industrial Induction Furnace on the Electric Voltage Quality of Power Supply

**Konstantin Koev, Svetlozar Grigorov**

FRI-10.326-1-EEEE-03:  $H_{\infty}$  Robust Control of a Servo System

**Donka Ivanova, Martin Dejanov**

FRI-10.326-1-EEEE-04: Methodology for Modeling the Relationship of Color Characteristics of Digital Images of Soil and Agrochemical Indicators of Soil - Content of Organic Matter and Phosphorus

**Antonina Mihaylova**

FRI-10.326-1-EEEE-05: Use of the MATLAB Programming Environment in the Face-to-Face and Online Training of Students in the Electric Drives Modul

**Anka Krasteva, Vyara Ruseva, Konstantin Koev**

FRI-10.326-1-EEEE-06: Evaluation of the Effect of Electromagnetic Treatment on the Sowing Qualities of Bean Seeds

**Kiril Sirakov**

- FRI-10.326-1-EEEE-07: Development of a Smart Miniaturized Single-Usable Endoscopy Sensor Realized by Standard CMOS Process  
**Denis Sami**
- FRI-10.326-1-EEEE-08: Analysis of Existing Methods and Used Principles for the Control of Peripheral Parameters in People in an Unequal Situation  
**Denitsa Dimitrova**
- FRI-10.326-1-EEEE-09: Analysis of the Applications of Photovoltaic Installations in Crop Production  
**Kamen Simeonov, Boris Evstatiev, Katerina Gabrovska-Evstatieva, Nicola Mihailov**
- FRI-10.326-1-EEEE-10: Analysis of the Possibilities for Partial Power Supply of the University of Ruse with Photovoltaic Energy  
**Ventsislav Dimitrov, Boris Evstatiev, Nikolay Valov, Nicola Mihailov**
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**14:00 – 18:30**

*Parallel Sessions Room 2G.303*

**FRI-2G.303-1-CCT1**

**Communication and Computer Technologies 1**

*Session Chair: Tsvetozar Georgiev*

- FRI-2G.303-1-CCT1-01: Organization of Training of Students in Robotics on the Basis of a Virtual Laboratory  
**Zhabayev Huryshovich, Revshenova Izbasarovna, Turashova Prmakhanbetova**
- FRI-2G.303-1-CCT1-02: A Dynamic Load Balancing Algorithm for Distributed Web Systems  
**Marian Ileana**
- FRI-2G.303-1-CCT1-03: Integer Computation Puzzles as Part of the Hobby Time Training Approach  
**Milen Loukantchevsky**
- FRI-2G.303-1-CCT1-04: Spatiotemporal Process Simulation Models  
**Neyko Neykov, Svetlana Stefanova**
- FRI-2G.303-1-CCT1-05: Experimental Evaluation of the PHP's Curl Library Performance  
**Yordan Kalmukov**
- FRI-2G.303-1-CCT1-06: Declarative Implementations of Optimization Methods for Solving Traveling Salesman Problem  
**Emilia Golemanova, Tzanko Golemanov,**
- FRI-2G.303-1-CCT1-07: Teaching Operating Systems: Banker's Algorithm  
**Tzanko Golemanov, Emilia Golemanova**
- FRI-2G.303-1-CCT1-08: Teaching Operating Systems: Disk Scheduling  
**Tzanko Golemanov, Emilia Golemanova**
- FRI-2G.303-1-CCT1-09: Advantages of Intelligent Educational Systems  
**Angel Popgeorgiev, Elitsa Ibryamova, Galina Ivanova**
- FRI-2G.303-1-CCT1-10: Educational VHDL Models of Processors with Von Neumann and Harvard Architectures  
**Aneliya Ivanova, Nikolay Kostadinov**
- FRI-2G.303-1-CCT1-11: Using Infographics to Implement Microlearning Concepts in Computer Organization Course  
**Aneliya Ivanova**
- FRI-2G.303-1-CCT1-12: Exploring the Impact on the Operator of Images with Dominant Blue Colors  
**Lachezar Yordanov**
- FRI-2G.303-1-CCT1-13: Study of the Impact on the Operator during Prolonged Work with Non-Ergonomic and Ergonomic Mouse and Keyboard  
**Lachezar Yordanov**
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**14:00 – 18:30**

*Parallel Sessions Room 2G.302*

**FRI-2G.302-1-CCT2**

**Communication and Computer Technologies**

*Session Chair: Georgi Hristov*

- FRI-2G.302-1-CCT2-01: Improvement of the Learning Process in the Subject of Semiconductor Components Through Simulations  
**Ventsislav Keseev**

FRI-2G.302-1-CCT2-02:	Exploring Object Detection Algorithms: a Comprehensive Overview and Comparative Study <b>Georgi Georgiev, Georgi Hristov, Plamen Zahariev, Diyana Kinaneva</b>
FRI-2G.302-1-CCT2-03:	An Evaluation of Fire Detection Methods: Comparative Analysis and Performance assessment <b>Georgi Georgiev</b>
FRI-2G.302-1-CCT2-04:	Facial Emotion Recognition Using Artificial Intelligence <b>Radostin Kolev, Kristian Velkovski</b>
FRI-2G.302-1-CCT2-05:	Navigating the Future: Exploring the Challenges of Autonomous Driving Systems <b>Toni Tonchev</b>
FRI-2G.302-1-CCT2-06:	Comprehensive Survey of AIOT Approaches for Waterlogging Crisis Monitoring <b>Samir ELMougy, Mohammed Alrahmawy, M. A. El-dosuky, Aya ElSayed Hamed</b>
FRI-2G.302-1-CCT2-07:	A Review of the Present-Day Cybersecurity Trends, Challenges and Threats <b>Plamen Zahariev, Georgi Hristov, Georgi Georgiev, Diyana Kinaneva</b>
FRI-2G.302-1-CCT2-08:	Web Traffic Monitoring by Descriptive Statistics and Multilayer Neural Networks <b>Ivelina Balabanova, Georgi Georgiev, Teodora Zhorova</b>
FRI-2G.302-1-CCT2-09:	Innovative Methods for Learning Digital Logic Design: Shaping the Future of Technological Education <b>Adriana Borodzhieva</b>

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**14:00 – 18:30**

*Parallel Sessions Online, Room 2. Kaneff Centre*

**FRI-KC.H2-1-TMS**

**Transport and Machine Science**

*Session Chair: Rosen Ivanov*

*Online Moderator: Simeon Iliev*

<https://meet.uni-ruse.bg/b/4g4-mju-qth>

FRI-KC.H2-1-TMS-01:

Phase-Change Materials

**Petar Pavlov, Petko Mashkov**

FRI-KC.H2-1-TMS-02:

Thermal Management Models and Solutions of Lithium-Ion Batteries

**Petar Pavlov, Petko Mashkov**

FRI-KC.H2-1-TMS-03:

Methodology for Design Machine Elements of Gear Reducers with Increased Strength

**Yuliyana Dimitrova, Yordanka Dimitrova**

FRI-KC.H2-1-TMS-04:

Dynamic Blocks in Engineering Graphics Studies

**Krasimir Kamenov**

FRI-KC.H2-1-TMS-05:

Application of Image Editors in Distance Learning in Engineering Graphics

**Krasimir Kamenov**

FRI-KC.H2-1-TMS-06:

Approaches to Training and Support for Doctoral Students

**Vasko Dobrev, Antoaneta Dobрева**

FRI-KC.H2-1-TMS-07:

Challenges to Improve Road Safety Solved with the Help of Artificial Intelligence

**Irena Petrova**

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**14:00 – 18:30**

*Parallel Sessions Online, Room 2 Kaneff Centre*

**FRI-KC.H2-2-TMS**

**Transport and Machine Science**

*Session Chair: Rosen Ivanov*

*Online Moderator: Simeon Iliev*

<https://meet.uni-ruse.bg/b/4g4-mju-qth>

FRI-KC.H2-2-TMS-01:

Determination the Coordinates of Mass Center on Agriculture Robot

**Georgi Kadikyanov, Rosen Ivanov, Gergana Staneva, Iliyana Minkovska**

FRI-KC.H2-2-TMS-02:	Application of Pulse Width Modulation Signals in Cars Electronic Control Systems <b>Georgi Kadikyanov, Rosen Ivanov, Gergana Staneva, Iliyana Minkovska</b>
FRI-KC.H2-2-TMS-03:	Some Advantages and Disadvantages of the Vehicles Using Compressed Air Traction <b>Rosen Ivanov, Georgi Kadikyanov, Gergana Staneva, Iliyana Minkovska</b>
FRI-KC.H2-2-TMS-04:	Renewable Bioenergy of Photosynthetic Algae to Use in Biofuels and Bioproducts <b>Atanas Iliev, Peter Kazakov, Dobri Petrov</b>
FRI-KC.H2-2-TMS-05:	Impact of the Fuel Additives on the Performance of the Diesel Engine <b>Atanas Iliev, Peter Kazakov, Dobri Petrov</b>
FRI-KC.H2-2-TMS-06:	Alternative Fuels Used in Gasoline Direct Injection Engines <b>Slavena Atanasova, Simeon Iliev, Kiril Hadjiev</b>

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**14:00 – 18:30**

*Parallel Sessions Online, Room 20.21*

<b>FRI-20.21-1-SITSTL</b>	<b>Sustainable and Intelligent Transport Systems, Technologies and Logistics (Room 20.21)</b> <i>Session Chair: Velizara Pencheva</i> <i>Online Moderator: Mihail Milchev, Tel.: 0882390080</i> <a href="https://meet1.uni-ruse.bg/b/an2-dwd-anz">https://meet1.uni-ruse.bg/b/an2-dwd-anz</a>
FRI-20.21-1-SITSTL-01:	Clear Zones for Active Safety in Bulgaria <b>Metodiy Steliyanov, Daniel Lyubenov, Dzhemal Topchu</b>
FRI-20.21-1-SITSTL-02:	Investigation of Road Transportation Violations Related to Traffic Safety <b>Daniel Lyubenov, Reneta Dimitrova, Dzhemal Topchu</b>
FRI-20.21-1-SITSTL -03:	Engineering Approach to Prevention of Unfair Tender Arrangements in Transport Infrastructure Projects <b>Metodiy Steliyanov, Martina Georgieva, Daniel Lyubenov</b>
FRI-20.21-1-SITSTL-04:	Study of the Main Characteristics of a Section of the Bicycle Network in the City of Ruse <b>Toncho Balbuzanov</b>
FRI-20.21-1-SITSTL-05:	Studying the Average Speed of Vehicle Traffic on a Route in an Urban Environment <b>Toncho Balbuzanov</b>
FRI-20.21-1-SITSTL-06:	Studying the Efficiency of Roundabouts <b>Kremena Mineva</b>
FRI-20.21-1-SITSTL-07:	Optimizing the Times of the Light Signals at an Intersection in the City of Botevgrad <b>Durhan Saliev, Georgi Mladenov, Aleksandar Tsakmanov</b>
FRI-20.21-1-SITSTL-08:	Identification of the Risks associated with the Transportation of People and Goods Carried by Vessels on the Danube River and the assessment of Their Impact on the Cargo Turnover of the Bulgarian River Port Terminals <b>Kamen Ivanov</b>
FRI-20.21-1-SITSTL-09:	Approaches and Measures to Increase Energy Efficiency Concerning Road Transport <b>Svetoslav Babanov, Vyarka Ronkova</b>
FRI-20.21-1-SITSTL-10:	Application of Cloud Technologies in Automotive Service Activity <b>Viktoria Gladkova, Dimitar Grozev</b>
FRI-20.21-1-SITSTL-11:	Research of Operational Processes in a Medium-Large Company Operating in the City of Ruse <b>Dimitar Grozev</b>
FRI-20.21-1-SITSTL-12:	Determining the Performance of an Automobile Gas System According to the Output Parameters <b>Dimitar Grozev, Ivan Beloev, Nidal Sawalha</b>
FRI-20.21-1-SITSTL-13:	Determining the Car's Operability According to Operating Parameters of Work <b>Dimitar Grozev, Ivan Beloev</b>

- FRI-20.21-1-SITSTL-14: Retrofitting a Gasoline Vehicle with a Fuel System Ensuring Operation with Gaseous Fuels  
**Iliyan Damyanov, Georgi Mladenov**
- FRI-20.21-1-SITSTL-15: Introducing Vacuum Mooring to Improve Maritime Safety  
**Ivan Conev, Dobrin Milev**

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**14:00 – 17:00**

*Parallel Sessions Online, Room 20.21*

**FRI-20.21-2-SITSTL** **Sustainable and Intelligent Transport Systems, Technologies and Logistics (Room 20.21)**

*Session Chair: Ivan Beloev*

*Online Moderator: Mihail Milchev, Tel.: 0882390080*

<https://meet1.uni-ruse.bg/b/an2-dwd-anz>

- FRI-20.21-2-SITSTL-01: Conditions for Issuing a “Clean on Board” Bill of Lading; Issuance of a ‘Clean on Board’ Bill of Lading Against Receipt of a “Letter of Indemnity” from the Consignor  
**Dimitar Dimitrakiev, Christiana Atanasova, Ognyan Kostadinov**
- FRI-20.21-2-SITSTL-02: Formation of the Contract for Maritime Transport Services; Form of the Charter Party; Charter Party Under Temporary Conditions as Per English Maritime Law  
**Svetlana Dimitrakieva, Christiana Atanasova, Ognyan Kostadinov**
- FRI-20.21-2-SITSTL-03: Methodology for Comparative Analysis of Intermodal and Multimodal Transport Servicing of Customer Addresses from a Port Container Terminal  
**Boril Ivanov**
- FRI-20.21-2-SITSTL-04: Organization and Management of the Municipal Company "Public Transport - Varna" EAD  
**Pavel Stoyanov**
- FRI-20.21-2-SITSTL-05: Development of the Strategy for Integrated Public Transport in Ruse  
**Pavel Stoyanov, Dimitar Grozev**
- FRI-20.21-2-SITSTL-06: The Advantages of Electric Buses in Operation in Mass Urban Transport  
**Aleksandar Georgiev**
- FRI-20.21-2-SITSTL-07: Factors Affecting the Application of Electric Vehicles  
**Milena Savova-Mratsenkova**
- FRI-20.21-2-SITSTL-08: The Challenges of Implementing Artificial Intelligence in Automotive Workshop  
**Mihail Milchev**
- FRI-20.21-2-SITSTL-09: Research of Vehicle Maintenance Auto Parts Supply Chain  
**Mihail Milchev**
- FRI-20.21-2-SITSTL-10: Personal Mailbox, in a Self-Service Office of a Courier Company  
**Dimitar Eskidarov**
- FRI-20.21-2-SITSTL-11: Decarbonization of the Transport in the Region of Ruse and Building an Innovative Capacity for the Future  
**Velizara Pencheva, Asen Asenov**
- FRI-20.21-2-SITSTL-12: New Opportunities for Innovative Development of Transport in the Danube Region of Bulgaria  
**Velizara Pencheva, Asen Asenov, Juliana Popova**
- FRI-20.21-2-SITSTL-13: Investigating the Application of a Toroidal Propeller in Vessels Through Fluid Dynamics Simulation  
**Valeri Geoergiev, Mladen Kulev**
- FRI-20.21-2-SITSTL-14: Investigation of Performance Indicators of a Hybrid Powered Electric Vessel Under Different Operating Modes  
**Valeri Geoergiev**

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**14:00 – 18:30**

*Parallel Session Online, Room 2B.412*

**FRI-2B.412-1-EM1**

**Economics and Management 1**

*Session Chair: Anton Nedyalkov*

*Online Moderator: Igor Sheludko*

<https://meet.uni-ruse.bg/b/une-kze-fwa>

- FRI-2B.412-1-EM1-01: Finding the Right Personality for the Job: A Literature Review  
**Yoana Krumova, Adile Dimitrova**
- FRI-2B.412-1-EM1-02: Job Design and New Requirements for Human Resources  
**Bozhana Stoycheva**
- FRI-2B.412-1-EM1-03: The Components of Psychological Capital in an Organizational Context  
**Emil Kotsev, Boryana Robeva -Stoyanova**
- FRI-2B.412-1-EM1-04: Followership Behavior and Style: An Organizational Perspective  
**Emil Kotsev, Aneta Irmanova**
- FRI-2B.412-1-EM1-05: Digital Identity Management Systems  
**Miroslava Boneva**
- FRI-2B.412-1-EM1-06: Research on Satisfaction About Digital Administrative Services for Students in Higher Education  
**Daniela Yordanova, Rumen Rusev, Tsvetanka Dutsova**
- FRI-2B.412-1-EM1-07: Interactive Digital Tool for Order-Splitting One Purchase Order Among a Number of Suppliers  
**Igor Sheludko**
- FRI-2B.412-1-EM1-08: Theoretical Aspects of the Outsourcing Logistics Activities  
**Ivan Dimitrov, Andrey Runchev**
- FRI-2B.412-1-EM1-09: Development of Methodology for Evaluation of Production Infrastructure Outsourcing  
**Vasil Tanev, Anton Nedyalkov**
- FRI-2B.412-1-EM1-10: An Approach to Applying a Methodology for Self-Assessment of an Environmental Management System Through a Maturity Model in Different Industries in Bulgaria  
**Pavel Vitliemov, Neli Babekova**
- FRI-2B.412-1-EM1-11: Marketing Challenges and Trends in the Conditions of the Transition to a Circular and Green Economy  
**Daniela Ilieva**
- FRI-2B.412-1-EM1-12: Balanced System for Accounting Business Analysis of the Company-Methodological Guidelines for Improvement  
**Marko Timchev**
- FRI-2B.412-1-EM1-13: Management of Real Assets in Business: A Research Framework  
**Anton Nedyalkov**

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**14:00 – 18:30**

***Parallel Session Room 2G.404***

**FRI-2G.404-1-EM2**

**Economics and Management 2**

***Session Chair: Aleksandar Kosuliev***

***Moderator: Elizar Stanev***

FRI-2G.404-1-EM2-01:

Fiscal Rules: What Do they Promote. the Case of Bulgaria

**Nikolay Rusev**

FRI-2G.404-1-EM2-02:

Regional Labour Productivity and Wage Dynamics in Bulgaria for the Period 2007-2019

**Aleksandar Kosuliev**

FRI-2G.404-1-EM2-03:

Municipal Budgets 2023 – 2024 – Challenges and Perspectives

**Nora Stoyanova**

FRI-2G.404-1-EM2-04:

Fee and Commission Income of the Bulgarian and Euroarea Banking Sectors – a Comparative Study

**Elizar Stanev**

FRI-2G.404-1-EM2-05:

Analysis of the Determinants of Exchange Rate Variability

**Petar Penchev**

FRI-2G.404-1-EM2-06:

Empirical Evidence on Exchange Rate Variability and Trade

**Petar Penchev**

FRI-2G.404-1-EM2-07:

Entrepreneurship and Dual Training – Opportunities for Regional Development

**Diana Georgieva, Silvia Toneva**

- FRI-2G.404-1-EM2-08: Analysis of an Element of an Algorithm to Study the Influence of Intrapreneurship on the Quality Management System in a Manufacturing Enterprise  
**Daniel Pavlov, Denitsa Fileva**
- FRI-2G.404-1-EM2-09: Co-Management as a Tool for Achieving Sustainable Development – Survey Results  
**Dima Spasova, Svilena Ruskova**
- FRI-2G.404-1-EM2-10: Empirical Research of Communication Problems Causing Organizational Conflicts  
**Svilena Ruskova**
- FRI-2G.404-1-EM2-11: An Empirical Study of Consumer Attitudes of Secondary School Students Towards a University Educational Product  
**Svilena Ruskova, Svilen Kunev**
- FRI-2G.404-1-EM2-12: Expectations and Attitudes of First Year Students Towards the Characteristics and Results of the Learning Process  
**Svilen Kunev, Svilena Ruskova**
- FRI-2G.404-1-EM2-13: Specific Aspects of Virtual Teams' Management in Public Organizations  
**Nataliya Venelinova**

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**16:00 – 17:00**

*Parallel Session Online, Room 2G.510*

**FRI-2G.510-1-ESIS1**

**European Studies and International Security**

*Session Chair: Vladimir Chukov*

*Online Moderator: Eva Parvanova*

<https://bbb.uni-ruse.bg/b/eva-4u4-y2n>

FRI-2G.510-1-ESIS1-01:

Religion – Domestic Policy – Foreign Policy – Casus BELLI

**Vladimir Chukov**

FRI-2G.510-1-ESIS1-02:

20th Century Globalization V/S 21st Century Deglobalization

**Mimi Kornazheva**

FRI-2G.510-1-ESIS1-03:

The Current Debate on United Nations Security Council Reform

**Eva Parvanova**

FRI-2G.510-1-ESIS1-04:

The Risks for the Global Security, Projected in the Fragile States Index 2023

**Krasimir Koev**

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**17:30 – 18:30**

*Parallel Session Online, Room 2G.510*

**FRI-2G.510-1-ESIS2**

**European Studies and International Security**

*Session Chair: Mimi Kornazheva*

*Online Moderator: Eva Parvanova*

<https://bbb.uni-ruse.bg/b/eva-4u4-y2n>

FRI-2G.510-1-ESIS2-01:

Enhancing National-Populism in EU Member States: The Case of Russian Federation

**Marin Nikolov**

FRI-2G.510-1-ESIS2-02:

Non-Governmental Organisations Functioning beyond National Borders. the Case of International Elias Canetti Society

**Viktor Kirilov**

FRI-2G.510-1-ESIS2-03:

The Bulgarian Parliamentary Model. Distortions of the Division of Powers According to the Elite of the State

**Orlin Kisiov**

FRI-2G.510-1-ESIS2-04:

The Multifaceted Realm of Economic Security

**Radoslav Pashov**

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**14:00 – 15:00; 16:00 – 18:30**

*Parallel Session Online, Room 1.322*

**FRI-1.322-1-SW**

**Social Work**

*Session Chair: Ana Popova*

*Online Moderator: Irina Kostadinova*

<https://us02web.zoom.us/j/82375072596?pwd=M2hYZFVhMUFEBG1Zd01TOUpkcFN4QT09>

Meeting ID: 823 7507 2596 Passcode: 770563

- FRI-1.322-1-SW-01: To Avoid Water Conflict Between Nations and Social Groups, is it not Time to Recognize Water as a Public Good?  
**Diana Antonova**
- FRI-1.322-1-SW-02: The Health Mediator and its Social Significance  
**Snezhana Popovska, Kina Velcheva**
- FRI-1.322-1-SW-03: The Role of Health Mediators in Vulnerable Social Groups  
**Snezhana Popovska, Kina Velcheva**
- FRI-1.322-1-SW-04: Social Aspects of Psychoactive Substance Dependence  
**Evgeniya Bratoeva**
- FRI-1.322-1-SW-05: Supervision as an Imperative Solution to Prevent Burnout Syndrome in Social Work  
**Silviya Beloeva**
- FRI-1.322-1-SW-06: Features of the "Dependence-Co-Dependence" Relationship with Internet Technologies  
**Nataliya Venelinova**
- FRI-1.322-1-SW-07: The Role of Social Innovations in the Development of Social Entrepreneurship and Social Activities  
**Irina Kostadinova**
- FRI-1.322-1-SW-08: Inclusive Education and Re-Socialization of Students with Special Needs at University of Ruse, Bulgaria  
**Ana Popova**
- FRI-1.322-1-SW-09: The Elderly - an Asset or a Hindrance to Creating New Opportunities for Social Development  
**Evgeniya Bratoeva, Silviya Beloeva**
- FRI-1.322-1-SW-10: A New Tool for Self-Assessment of Dependent Behavior  
**Nataliya Venelinova, Evgeniya Bratoeva**
- FRI-1.322-1-SW-11: Social Innovation by Design  
**Anna Varbanova**
- FRI-1.322-1-SW-12: Development of Sustainable Entrepreneurship and Innovations in Bulgaria: Some Reflections on the Project "Training For Ecopreneurship at Three Bulgarian Universities"  
**Martin Ivanov**

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**14:00 – 18:30**

*Parallel Sessions Online, Room 1.414*

**FRI-1.414-1-MIP**

**Mathematics, Informatics and Physics**

*Session Chair: Tsvetomir Vasilev*

*Online Moderator: Tsvetomir Vasilev; Tel.: 0888 270 326*

<https://exam-bbb.uni-ruse.bg/b/tzy-vc-rae>

- FRI-1.414-1-MIP-01: How Is "Cybertr<sup>®</sup> Serious Game" Designed as an Effective Teaching Tool?  
**Aslıhan İstanbullu, Ömer Delialioğlu, Valentina Voinohovska**
- FRI-1.414-1-MIP-02: Preschool and Primary School Robotics Education – Benefits and Challenge  
**Kristina Stefanova, Galina Atanasova**
- FRI-1.414-1-MIP-03: An Opportunity to Increase the Computer Literacy of High School Students by Introducing Them to Seo  
**Ivan Stefanov, Galina Atanasova**
- FRI-1.414-1-MIP-04: 3D Terrain Generation Subsystem  
**Valentin Velikov, Salih Redjeb**
- FRI-1.414-1-MIP-05: Cyber Security - Main Directions  
**Valentin Velikov**
- FRI-1.414-1-MIP-06: Recursion and Iteration: Bridging Mathematical Puzzles with Computational Solutions  
**Stanaila Neykova-Karagaeva, Svetlozar Tsankov**
- FRI-1.414-1-MIP-07: Application of Propp's Maps in the Study of "Computer Modeling" in 4<sup>th</sup> Grade  
**Steliana Marinova, Svetlozar Tsankov**

- FRI-1.414-1-MIP-08: Implementing the A\* Algorithm in Eternal Vigil  
**Serkan Sadulov, Mustafa Mustafov, Kamelia Shoilekova**
- FRI-1.414-1-MIP-09: Selection Criteria for Software Testing Systems  
**Desislava Baeva**
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**14:00 – 18:30**

***Parallel Sessions Online, Room 2G.305***

**FRI-2G.305-1-PP**

**Pedagogy and Psychology**

***Session Chair: Galina Georgieva***

***Online Moderator: Valentina Vasileva; Tel.: 0898 407 577***

***<https://exam-bbb.uni-ruse.bg/b/4ah-9aa-gwh>***

- FRI-2G.305-1-PP-01: Active Support of Pretend Play in Kindergarten  
**Asya Veleva**
- FRI-2G.305-1-PP-02: Need for Health Knowledge in the Education of Students from the "Social Pedagogy" Specialty  
**Ludmila Dimitrova, Bagryana Ilieva**
- FRI-2G.305-1-PP-03: Social Characteristics of Child-Parent Relationships  
**Desislava Belomorska**
- FRI-2G.305-1-PP-04: Planning for Old Age – the Essence of Adult Care Reform in Norway  
**Dima Spasova**
- FRI-2G.305-1-PP-05: The Excursion – A Specific Organizational Form of Getting Acquainted with the Surrounding World Interaction  
**Ekaterina Ivanova**
- FRI-2G.305-1-PP-06: Opportunities for Initial Training of Play Therapy Professionals in Bulgaria  
**Galina Georgieva**
- FRI-2G.305-1-PP-07: Organisation of Early Childhood Education and Care in Finland  
**Galina Georgieva**
- FRI-2G.305-1-PP-08: Scientific Theories of Leadership Styles and Their Implications in a Contemporary Context  
**Lora Radoslavova**
- FRI-2G.305-1-PP-09: Digital Tools for Monitoring and assessing Learning Outcomes  
**Stefan Kr. Stefanov**
- FRI-2G.305-1-PP-10: Application of Play Therapy as a Method of Correcting Children's Anxiety  
**Valentina Vasileva**
- FRI-2G.305-1-PP-11: A Comprehensive Philosophy of Inclusive Education  
**Julia Doncheva, Liqaa Habeb Al-Obaydi, Fatima Raheem Abdul Hussein**
- FRI-2G.305-1-PP-12: Didactic Animation in Education of Students in Bulgarian Language and Literature in the Beginning Stage  
**Zhivka Ilieva, Asya Veleva**
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**14:00 – 18:30**

***Parallel Sessions Online, Room 2G.309***

**FRI-2G.309-1-LL**

**Linguistics and Literature**

***Session Chair: Velislava Doneva***

***Online Moderator: Velislava Doneva; Tel.: 0886 060 299***

***<https://us04web.zoom.us/j/6314611859?pwd=K2dsWU9ONXA2NWdhZGY4RHZMVK1UZz09>***

- FRI-2G.309-1-LL-01: A Model for Practical Application of the Usage for Definite and Indefinite Article Rule in 5<sup>th</sup> Grade  
**Niya Peneva, Ventzislava Stankova**
- FRI-2G.309-1-LL-02: The Concept of Worldview as a Significant Construct for Discovering the Value Orientation of a Text  
**Elitsa Georgieva**
- FRI-2G.309-1-LL-03: Application of Appraisal Theory in Linguo – Cultural Studies  
**Diana Stefanova**
- FRI-2G.309-1-LL-04: The Deep Structure of Fairy Tale Narratives as a Pointer to Axiologically Significant Cultural Messages  
**Elitsa Georgieva, Ralitsa Demirkova**

- FRI-2G.309-1-LL-05: Translation as a Form of Problem-Solving  
**Ralitsa Demirkova, Elitsa Georgieva**
- FRI-2G.309-1-LL-06: Animal Genre in Contemporary Watercolor  
**Olga Vatkova**
- FRI-2G.309-1-LL-07: Where Has the ‘Magic’ of Childhood Gone? the Place of a Fairy Tale in Primary School Readers  
**Gyonyul Hayredin**
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**14:00 – 18:30**

*Parallel Sessions Online, Room 12.23*

**FRI-12.23-1-AS**

**Art Studies**

*Session Chair: Petya Stefanova*

*Online Moderator: Petya Stefanova; Tel.: 0896 820 470*

<https://us04web.zoom.us/j/2038807908?pwd=Y3NMVW9hOWFMcU9ldlpHblZuWHpyZz09>

- FRI-12.23-1-AS-01: Melodic Lessons: Teaching Musical Literacy and Performance Skills Through Author Songs and Instruments  
**Petya Stefanova**
- FRI-12.23-1-AS-02: Some Features of the Human Auditory System – Part 2  
**Pavel Stefanov**
- FRI-12.23-1-AS-03: Reality and Realism in Documentary Film Sound Design  
**Tsvetelina Tsvetkova**
- FRI-12.23-1-AS-04: Evolution of Audiovisual Production for Digital Environment  
**Dimitar ‘Martin’ Genovski**
- FRI-12.23-1-AS-05: Location Sound Recording – “The Distant Relative” in Cinema  
**Ivaylo Ivanov Natzev**
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**14:00 – 18:30**

*Parallel Sessions Online, Room 2G.307*

**FRI-2G.307-1-ERI**

**Education – Research and Innovations**

*Session Chair: Emilia Velikova*

*Online Moderator: Ralica Vasileva; Tel.: 0884 109719*

<https://meet.uni-ruse.bg/b/k2w-44r-rcm>

- FRI-2G.307-1-ERI-01: Technological Model of a Lesson on the Topic “Collection and Multiplication of Possibilities”  
**Desislava Georgieva**
- FRI-2G.307-1-ERI-02: Technological Model for Teaching on the Subject “Sets and Operations with Them”  
**Desislava Georgieva**
- FRI-2G.307-1-ERI-03: Digitalization of Mathematics Education for Fifth Grade Students. Examples with Learnigapps  
**Tsvetelina Radeva, Ralitsa Vasileva-Ivanova**
- FRI-2G.307-1-ERI-04: Some Ideas About Digitalization of Mathematics Education for Fifth Grade Students with Wordwall  
**Irena Bancheva, Ralitsa Vasileva-Ivanova**
- FRI-2G.307-1-ERI-05: Vocational High School in River Shipbuilding and Navigation – A Unique School in Ruse  
**Iliana Petkova**
- FRI-2G.307-1-ERI-06: Education Motivation of Adult Learners in Evening Schools  
**Yordanka Nikolova**
- FRI-2G.307-1-ERI-07: Integrating Scratch Game in Mathematics Education for 5<sup>th</sup> -7<sup>th</sup> Grades  
**Svetlozar Obreshkov, Ralitsa Vasileva-Ivanova**
- FRI-2G.307-1-ERI-08: Developing an Interactive Lesson on Modelling with Linear Equations  
**Anita Lozeva, Ralitsa Vasileva-Ivanova**
- FRI-2G.307-1-ERI-09: Basic Modelling Problems, Necessary to Training Students for National External assessment After 7<sup>th</sup> Grade  
**Monika Koleva, Antoaneta Mihova**

FRI-2G.307-1-ERI-10: Basic Problems Solved with Vieta's Formulas, Necessary to Training Students for State Matriculation Exam and National External assessment After 10<sup>th</sup> Grade  
**Teodora Markova, Antoaneta Mihova**

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**14:00 – 17:00** *Parallel Sessions Online, Room 2K.201*

**FRI-2K.201-1-HP**

**Health Promotion**

*Session Chair: Stefka Mindova*

*Online Moderator: Stefka Mindova*

<https://meet.uni-ruse.bg/b/awn-2yw-vdm>

FRI-2K.201-1-HP-01:

Significance of the Adapted Physical Activity and Sport in Complex Rehabilitation

**Irina Karaganova**

FRI-2K.201-1-HP-02:

The Application of Manual Mobilization Techniques in Elbow Injuries

**Petya Parashkevova**

FRI-2K.201-1-HP-03:

Exercise Recommendations to Prevent Osteoporosis

**Ivelina Stefanova**

FRI-2K.201-1-HP-04:

General Technique for Massage for Fractures

**Radoslava Deleva**

FRI-2K.201-1-HP-05:

Common Self-Care Issues of Disabled Preschool Children

**Elitsa Velikova, Petya Mincheva**

FRI-2K.201-1-HP-06:

Building a System for the Assessment and Development of Professionally Relevant Qualities of Maritime Professionals. Possibilities of Incorporating Apparatus Methodologies

**Rositsa Nedeva, Dimitar Stavrev**

FRI-2K.201-1-HP-07:

Zone Therapy and Pregnancy

**Elif Mehmed, Tsvetalina Stoyanova, Velina Georgieva, Stanislava Bogomilova**

FRI-2K.201-1-HP-08:

Postural, Myogenic and Myofascial Sources of Pain in the Lumbar Spine

**Aleksandar Andreev**

FRI-2K.201-1-HP-09:

Biomechanical Rationale and Kinesitherapeutic Strategies in Kyphosis

**Yuliyana Pashkunova**

FRI-2K.201-1-HP-10:

Rationale and Initial Guidelines

For Developing a Bulgarian Occupational Therapy Handwriting Assessment Tool

**Margarita Asparuhova-Kandilarova**

FRI-2K.201-1-HP-11:

Flap Options in Soft Tissue Coverage of the Lower Leg

**Yordan Andonov, Nikolay Angelov, Stefka Mindova**

FRI-2K.201-1-HP-12:

Local Antibiotic Application in Open Lower Limb Fractures

**Yordan Andonov, Nikolay Angelov, Stefka Mindova**

FRI-2K.201-1-HP-13:

20-Year-Old Female Subject With Severe Cognitive Delay and Serious Postural Problems, Follow-Up After 30 Days of Associated Postural Ergonomics and Psychological Treatment

**Tiziano Pacini, Stefania Mocali**

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**14:00 – 17:00**

*Parallel Sessions Online, Room 2G.309*

**FRI-2G.309-1-MCDA**

*Session Chair: Denitsa Trancheva*

*Online Moderator: Denitsa Trancheva*

<https://meet.uni-ruse.bg/b/rca-mfr-uah>

FRI-2G.309-1-MCDA-01:

Homocysteine -Predictor of Pathological Changes in the Human Body

**Denitsa Trancheva**

FRI-2G.309-1-MCDA-02:

The Methodology of Healthcare Training – Technology for Training Future Healthcare Specialists

**Elena Zheleva, Kristina Zaharieva, Teodora Nedeva**

- FRI-2G.309-1-MCDA-03: Narcolepsia - A Disease Which Makes You Fall Asleep  
**Kristina Zaharieva, Tatyana Atanasova**
- FRI-2G.309-1-MCDA-04: Burnout Syndrome in the Context of Professional Activity  
**Kiril Panayotov, Nikolina Angelova-Barbolova, Danail Kumanov**
- FRI-2G.309-1-MCDA-05: Natural Immune Defense and Omnibiotic  
**Svilen Dosev, Ognyan Sherbanov, Kina Velcheva**
- FRI-2G.309-1-MCDA-06: Evaluation of Pain, Disability and Depression in Patients With Low Back Pain Due to Disc Herniation  
**Rositsa Krasteva, Anna Lenkova**
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**14:00 – 17:00**

*Parallel Sessions Online, Room 2F.104*

**FRI-2G.104-1-HC**

**Health Care**

*Session Chair: Tsveta Hristova*

*Online Moderator: Tsveta Hristova*

<https://meet1.uni-ruse.bg/b/wc2-juu-j7m>

- FRI-2G.104-1-HC-01: Emotional Intelligence in the Training and Professional Activity of the Nurse  
**Despina Georgieva**
- FRI-2G.104-1-HC-02: Modern Approach to Diagnostic and Treatment of Deep Pelvic Endometriosis  
**Nadya Magunska**
- FRI-2G.104-1-HC-03: Midwife Led Model of Care – is Midwifery in Bulgaria Ready for It  
**Ivanichka Serbezova, Daniela Lyutakova**
- FRI-2G.104-1-HC-04: Most Common Neonatal Skin and Eye Infections  
**Yoana Lukanova, Tsveta Hristova**
- FRI-2G.104-1-HC-05: Bartter's Syndrome – Review of Literature and Case Report  
**Eva Tsonkova**
- FRI-2G.104-1-HC-06: Lipoid Aspiratory Pneumonia in 5 Years Old Child with Arnold – Chiari Syndrome  
**Eva Tsonkova**
- FRI-2G.104-1-HC-07: Assessment of the Health and Impact of the Covid-19 Pandemic on the Physical Development of Students in Organized Collectives in Ruse Region for 2016-2020  
**Daniel Monov, Nikolina Voynova**
- FRI-2G.104-1-HC-08: The Need for Introduction of the Health Mediation in Bulgaria  
**Snezhana Popovska, Kina Velcheva**
- FRI-2G.104-1-HC-09: Risk of Dementia in Elderly Patients After Covid 19  
**Daniela Konstantinova**
- FRI-2G.104-1-HC-10: Creation and Implementation of an Osteoporosis Prevention Program  
**Irinka Hristova, Despina Georgieva, Greta Koleva**
- FRI-2G.104-1-HC-11: Botulinum Toxin in the Treatment of Chronic Pelvic Pain  
**Veselka Mihaylova**
- FRI-2G.104-1-HC-12: Hyperglycemia – a Factor for the Development of Cancer in Patients with Diabetes  
**Yuliyana Georgieva**
- FRI-2G.104-1-HC-13: The Role of the Nurse in Adolescent Non-Suicidal Self-Hurting  
**Stela Boneva**
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**14:00 – 18:30**

*Parallel Sessions Online, Room 2B.313*

**FRI-2B.313-1-L**

**Law**

*Session Chair: Elitsa Kumanova*

*Online Moderator: Elitsa Kumanova; Tel: 082888434*

<https://meet1.uni-ruse.bg/b/juc-2fn-nar>

- FRI-2B.313-1-L-01: The Essence of the Measures of the Legal Protection  
**Svetla Marinova, Elitsa Kumanova**

- FRI-2B.313-1-L-02: Social Legislation of the Bulgarian State Under the Rule of Alexander Tsankov (9. 06. 1923 – 4. 01. 1926)  
**Maria Zheleva**
- FRI-2B.313-1-L-03: Understandings of the Notion of "Freedom" in Law  
**Doroteya M. Dimova-Severinova**
- FRI-2B.313-1-L-04: Truth in Law  
**Doroteya M. Dimova-Severinova**
- FRI-2B.313-1-L-05: Studies on the Genesis of the State  
**Ivelin Velchev**
- FRI-2B.313-1-L-06: Procedural Law Beyond Mechanism  
**Teodora Yovcheva**
- FRI-2B.313-1-L-07: Legal Regime of Training of Students and Specialists in Medical Institutions  
**Fatme Mikova**
- FRI-2B.313-1-L-08: The Place of Territorial Sovereignty in the Un Charter  
**Ayhan Ahmed, Zornitsa Yordanova**
- FRI-2B.313-1-L-09: Persons Needing Protection According to the Constitution of the Republic of Bulgaria  
**Zornitsa Yordanova**
- FRI-2B.313-1-L-10: Administration in the Ottoman State  
**Emanuil Kolarov**
- FRI-2B.313-1-L-11: To the Issue of Special Administrative Proceedings  
**Dilyana Kalinova**
- FRI-2B.313-1-L-12: The Res Judicata Effect and the Binding Force of the Judicial Instructions to the Administrative Body on the Interpretation and Application of the Law  
**Valeri Radanov**
- FRI-2B.313-1-L-13: Protective Measures to Guarantee the Application of Financial Legal Norms  
**Elina Marinova**
- FRI-2B.313-1-L-14: Fiscal Decentralization in the Republic of Bulgaria  
**Vanya Panteleeva**
- FRI-2B.313-1-L-15: Amendments to the Law on the Cadastre and Property Register (Published Sg No. 8 of 2023) - a Step Towards the Creation of the Property Register  
**Anastas Georgiev**
- FRI-2B.313-1-L-16: Central Register of Special Bets at the Registry Agency  
**Anastas Georgiev**
- FRI-2B.313-1-L-17: Requirements to the Members of the Management and Control Bodies of Public Enterprises  
**Anastas Georgiev**
- FRI-2B.313-1-L-18: Problems of the Notarial Will in Bulgarian Legislation  
**Krasimir Dimitrov, Ivelina Vasileva**

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**14:00 – 18:00**

*Parallel Sessions Online, Room 2B.312*

**FRI-2B.312-1-NS**

**National Security**

*Session Chair: Milen Ivanov*

*Online Moderator: Milen Ivanov; Tel: 082888736*

<https://exam-bbb.uni-ruse.bg/b/kre-ztf-vc2>

FRI-2B.312-1-NS-01:

Problems of the Implementation of International Human Rights Law Ratione Loci

**Kremena Rayanova**

FRI-2B.312-1-NS-02:

Protection of the Labor Rights of Refugees

**Elitsa Kumanova**

FRI-2B.312-1-NS-03:

Control of the Territory of the State by the Law Enforcement Authorities

**Milen Ivanov**

FRI-2B.312-1-NS-04:

The Role of Intelligence for the Defense of the State

**Milen Ivanov**

FRI-2B.312-1-NS-05:	The State Service - Duty or Work <b>Milen Ivanov</b>
FRI-2B.312-1-NS-06:	Specific Protection Needs in the Meaning of § 1, Al. 4 of the Additional Provisions of the Criminal Procedure Code <b>Nevena Ruseva</b>
FRI-2B.312-1-NS-07:	The Permit for Acquisition, Storage, Carrying and Use of Firearms and Ammunition as Individual Administrative Act Regime <b>Plamen Parvanov</b>
FRI-2B.312-1-NS-08:	Legal Essence of National Security – Acts Formating Legalities Framework of National Security Policy <b>Stela Daskalova, Danail Kumanov</b>
FRI-2B.312-1-NS-09:	Forensic Psychological Examination of Offenders with Personality Disorders <b>Silvia Krushkova</b>

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**14:00 – 18:00**

*Parallel Sessions Online, Room 2.104*

**FRI-2.104-1-QHE**

**Quality of Higher Education**

*Session Chair: Ivanichka Serbezova*

FRI-2.104-1-QHE-01:	Impact of Publicly Available Scientific Databases on the Quality of the Academic Staff <b>Orlin Petrov</b>
FRI-2.104-1-QHE-02:	Methodology for Pilot assessment of Higher Education Teachers, Instructional Technologies Design Materials and E-Learning Platform <b>Tsvetelina Georgieva, Seher Kadirova, Stanislav Penchev, Boris Evstatiev, Tzvetelin Georgiev, Nikolay Mihailov, Kathryn Cormican, Suzana Sampaio, Manon van Leeuwen, Özge Andiç Çakır, Firat Sarsar, Nuno Pombo</b>
FRI-2.104-1-QHE-03:	Web System for Servicing of Users at Ruse University Computer Network <b>Miroslav Mihaylov</b>
FRI-2.104-1-QHE-04:	Adapting the University Environment for Learning Students with Disabilities <b>Tanya Grozeva</b>
FRI-2.104-1-QHE-05:	Analysis of the Results of Surveys Conducted Among the Employer Partners of the University of Ruse <b>Kaloyan Stoyanov, Vanya Naydenova</b>
FRI-2.104-1-QHE-06:	A Climate Change Technology Enhanced Curriculum for Teaching Preservice Teachers <b>Bahadır Namdar, Firat Sarsar, Ekrem Ulus, Linda Pavitola, Ivita Pelena, Nicolay Mihailov, Boris Evstatiev, Tsvetelina Georgieva, Seher Kadirova, Atanas Atanasov, Tzvetelin Georgiev, Danguolė Bylaitė – Šalavėjienė, Ayşe Saliha Sunar, Manon van Leeuwen, Karl Donert</b>
FRI-2.104-1-QHE-07:	Analyzing the National Educational Framework of Social Work for Better Alignment with Social Services Quality Management Requirements <b>Silviya Beloeva</b>
FRI-2.104-1-QHE-08:	Transferring Know-How and Good Practices in Evaluating STEM Curricula for Better Quality of Education <b>Desislava Atanasova, Daniela Todorova</b>
FRI-2.104-1-QHE-09:	Development of the Quality of Higher Education in the Field of Lighting and Lighting Design <b>Teodor Kyuchukov</b>
FRI-2.104-1-QHE-10:	Using Serious Games to Enhance the Quality of Healthcare Education <b>Galya Georgieva-Tsaneva, Ivanichka Serbezova</b>

Saturday 28 October 2023

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<b>10:00 – 11:00</b>	<b>Parallel Session Room 2B.412</b>
<b>SAT-2B.412-1-EM1</b>	<b>Economics and Management 1</b> <i>Session Chair: Anton Nedyalkov</i> <i>Moderator: Igor Sheludko</i> <a href="https://meet.uni-ruse.bg/b/une-kze-fwa">https://meet.uni-ruse.bg/b/une-kze-fwa</a>
SAT-2B.412-1-EM1-01:	On the English Loan Word Marketing in Scholarly Literature <b>Lyubomir Lyubenov, Roumyana Petrova</b>
SAT-2B.412-1-EM1-02:	Electronic Administrative Services for Students in University <b>Daniela Yordanova, Rumen Rusev</b>
SAT-2B.412-1-EM1-03:	An Approach to Implement a Cloud ERP System for Managing Processes in Bulgarian Small and Medium-Sized Production Enterprises <b>Pavel Vitliemov</b>
SAT-2B.412-1-EM1-04:	Railway Quality Management Systems – Past, Present, and Future Trends <b>Tzvetelin Gueorguiev</b>
SAT-2B.412-1-EM1-05:	Efficiency and Effectiveness of Application of Special Seismic Protection Methods <b>Vasil Tanev</b>
<hr/>	
<b>09:00 – 13:30</b>	<b>Parallel Sessions Online, Room 2G.307</b>
<b>SAT-2G.307-1-ERI</b>	<b>Education – Research and Innovations</b> <i>Session Chair: Emilia Velikova</i> <i>Online Moderator: Ralica Vasileva; Tel.: 0884 109719</i> <a href="https://meet.uni-ruse.bg/b/k2w-44r-rcm">https://meet.uni-ruse.bg/b/k2w-44r-rcm</a>
SAT-2G.307-1-ERI-01:	Application of the Five-Level Model of Teaching Mathematics on the Topic of Biquadratic Equations <b>Sedat Mahmud, Anna Lecheva</b>
SAT-2G.307-1-ERI-02:	Assessment Test for the Quadratic Equations Module Using the Smartest Online Platform <b>Sedat Mahmud, Anna Lecheva</b>
SAT-2G.307-1-ERI-03:	Transforming Education for the 21 Stcentury Learner. Learning and Teaching Trends in Higher Education <b>Ion Mierlus-Mazilu; Emiliya Velikova</b>
SAT-2G.307-1-ERI-04:	Girls – Generation for Innovation, Resilience, Leadership and Sustainability Project <b>Ion Mierlus-Mazilu</b>
SAT-2G.307-1-ERI-05:	Universal Design for Learning – an Equal Opportunity to Succeed <b>Emiliya Velikova, Ralitsa Vasileva-Ivanova, Laimutė Ruzgienė</b>
SAT-2G.307-1-ERI-06:	Conceptual Models and Methods for Improving the Educational Process in Accounting Business Analysis of the Enterprise <b>Marko Timchev</b>
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<b>09:00 – 13:30</b>	<b>Parallel Sessions Online, Room 2. Kaneff Centre</b>
<b>SAT-KC.H2-1-TMS</b>	<b>Transport and Machine Science (Room 2. Kaneff Centre)</b> <i>Session Chair: Rosen Ivanov</i> <i>Online Moderator: Simeon Iliev</i> <a href="https://meet.uni-ruse.bg/b/4g4-mju-qth">https://meet.uni-ruse.bg/b/4g4-mju-qth</a>
SAT-KC.H2-1-TMS-01:	Basic Equations of Wave Propagation and Reflection in Intake Manifold <b>Ivaylo Borisov, Simeon Iliev</b>
SAT-KC.H2-1-TMS-02:	Alcohols as Fuels: A Review of Physicochemical Properties and Their Influence on Gasoline Engine Performance <b>Elitsa Nakova, Kiril Hadjiev, Simeon Iliev</b>
SAT-KC.H2-1-TMS-03:	Ethanol Applications in Diesel Engines <b>Ivailo Ivanov, Simeon Iliev, Kiril Hadjiev</b>

- SAT-KC.H2-1-TMS-04: Simulation Models Applied at Internal Combustion Engines  
**Dimitar Obretenov, Simeon Iliev**
- SAT-KC.H2-1-TMS-05: BLE Remote Controlled Lamps on Bulgarian Market  
**Rostislav Kandilarov, Yordan Yordanov**
- SAT-KC.H2-1-TMS-06: Induced Demand in Traffic - Myth or Reality  
**Rostislav Kandilarov, Kremena Mineva**
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**09:00 – 13:30**

*Parallel Sessions Online, Room 2B.313*

**SAT-2B.313-1-L**

**Law**

*Session Chair: Kremena Rayanova*

*Online Moderator: Kremena Rayanova; Tel: 082888740*

<https://meet1.uni-ruse.bg/b/juc-2fn-nar>

- SAT-2B.313-1-L-01: On the Significance of the DNA Expertise in Legal Proceedings for Dispute/Establishment of Origin  
**Mihail Malchev**
- SAT-2B.313-1-L-02: Finality a Legal Effect of the Acts on the Admissibility of the Lawsuit. Some Principal Issues.  
**Petar Bonchovski**
- SAT-2B.313-1-L-03: The Problems of Renvoi Under Regulation (EU) No. 650/2012 on Jurisdiction, Applicable Law, Recognition and Enforcement of Decisions and Acceptance and Enforcement of Authentic Acts in the Field of Succession and on the Creation of the European Certificate of Inheritance  
**Sergey Kalinkov**
- SAT-2B.313-1-L-04: Bareboat Charter  
**Anna Nikolova**
- SAT-2B.313-1-L-05: Set-Off in Cross-Border Insolvency Proceedings  
**Vladislav Ivanov**
- SAT-2B.313-1-L-06: The Profession Kinesiotherapist - Legal aspects  
**Maria Radeva**
- SAT-2B.313-1-L-07: The Conversion of the Natural Obligation Under the Maintenance and Support Agreement into Monetary Compensation  
**Vladimir Perchemliev, Bilyana Ivanova**
- SAT-2B.313-1-L-08: Contract Formation – Offer, Acceptance, Obligation to Negotiate and Requirement of Good Faith  
**Mustafa Yaramkashev, Bilyana Ivanova**
- SAT-2B.313-1-L-09: Article 7 of the Special Pledges Act - Possibility for the Continuation of the Pledger's Commercial Activity or a Way to Harm the Pledge Creditor  
**Kiril Veselinov**
- SAT-2B.313-1-L-10: The Actual Limitation of the Exercise of Parental Rights by One Parent in the Case of Sole Exercise of the Same by the Other Parent in the Case of a Decision Issued After a Divorce or Separation  
**Denitsa Petrova**
- SAT-2B.313-1-L-11: Waiver of Property Rights, Exercised by a Successor  
**Georgi Georgiev**
- SAT-2B.313-1-L-12: Entry and Deletion of the Members of the Management Body of the Joint-Stock Company in the Commercial Register  
**Ruja Andreeva**
- SAT-2B.313-1-L-13: Requirements for the Members of the Management and Supervisory Board of the Joint-Stock Company  
**Ruja Andreeva**
- SAT-2B.313-1-L-14: Substantive Legitimation on Filing a Claim Under Sect. 74 of the Trade Act  
**Similiyan Stefanov**
- SAT-2B.313-1-L-15: Contesting Entries in the Commercial Register. Grounds, Proceedings, Challenges, Recommendations **Zarya Ivanova Salova**

- SAT-2B.313-1-L-16: Commercial Register Entries. An Overview. Legal and Practical Implications  
**Zarya Ivanova Salova**
- SAT-2B.313-1-L-17: Significant Problems of the Appellate Review Proceedings Under the Criminal  
Procedure Code of the Republic of Bulgaria  
**Lyuboslav Lyubenov**
- SAT-2B.313-1-L-18: Basic Criminological Characteristics of the Offender assessment System  
**Svetlin Antonov**

**NOVEMBER RESEARCH CONFERENCE IN RAZGRAD**

**Friday 03 November 2023**

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<b>11:00 – 12:30</b>	<i>Opening, Plenary Session: Large Conference Room</i> <i>Session Chair: Prof. Tsvetan Dimitrov, PhD</i> <i>Online Moderator: Prof. Tsvetan Dimitrov, PhD;</i> <i>Tel. +359887631645</i> <a href="https://meet.uni-ruse.bg/b/fht-4en-rjy">https://meet.uni-ruse.bg/b/fht-4en-rjy</a>
<b>FRI-LCR-KS(R)-01:</b>	<b>Prof. Angel Smrikarov, PhD</b> “Angel Kanchev” University of Ruse <i>Professions of the Future (Professions with a Future)</i>
<b>FRI-LCR-KS(R)-02:</b>	<b>Prof. Rositsa Nikolova, PhD</b> Institute of Mineralogy and Crystallography <i>Hydrates and Complexes of Magnesium Sulphates - Synthesis, Structure, Properties</i>
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<b>13:30 – 14:15</b>	<i>Parallel Scientific Sessions: Large Conference Room</i>
<b>FRI-LCR-1-CT(R)</b>	<b>Chemical Technologies</b> <i>Session Chair: Temenuzhka Haralanova,</i> <i>Online Moderator: Temenuzhka Haralanova, Tel. +359878557143</i> <a href="https://meet.uni-ruse.bg/b/fht-4en-rjy">https://meet.uni-ruse.bg/b/fht-4en-rjy</a>
<b>FRI-LCR-1-CT(R)-01:</b>	Ceramic Pigments Obtained by Solid-State Sintering of Loess with Addition of Cr <sub>2</sub> O <sub>3</sub> <b>Rositsa Titorenkova, Tsvetan Dimitrov, Yana Tzvetanova, Dimitar Antonov</b>
<b>FRI-LCR-1-CT(R)-02:</b>	Antioxidant Activity and Chemical Composition of Extracts from an Endemic Plant <i>Sideritis Syriaca</i> <b>Anife Veli, Radoslava Nikolova, Zilya Mustafa, Georgi Rusev, Lenia Gonsalvesh</b>
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<b>14:15 – 15:30</b>	<i>Parallel Scientific Sessions: Large Conference Room</i>
<b>FRI-LCR-1-BFT(R)</b>	<b>Biotechnologies and Food Technologies</b> <i>Session Chair: Iliana Kostova</i> <i>Moderator: Iliana Kostova; Tel. +359886430204</i> <a href="https://meet.uni-ruse.bg/b/fht-4en-rjy">https://meet.uni-ruse.bg/b/fht-4en-rjy</a>
<b>FRI-LCR-1-BFT(R)-01:</b>	Storage Stability, Antioxidant and Antilipid Activity of Seed Extract from Pinot Noir Grape <b>Yavor Ivanov</b>
<b>FRI-LCR-1-BFT(R)-02:</b>	Survey on Informed Food Choices <b>Stanka Damyanova, Iliana Nikolova, Iliana Kostova</b>
<b>FRI-LCR-1-BFT(R)-03:</b>	Additives in Food Products <b>Stanka Damyanova, Iliana Kostova, Iliana Nikolova</b>
<b>FRI-LCR-1-BFT(R)-04:</b>	Application of Alginate <b>Darina Georgieva</b>
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<b>15:30 – 18:00</b>	<i>Parallel Poster Sessions: Large Conference Room</i>
<b>FRI-LCR-P-1-CT(R)</b>	<b>Chemical Technologies</b> <i>Session Chair: Tsvetan Dimitrov,</i> <i>Moderator: Tsvetan Dimitrov; Tel. +359887631645</i> <a href="https://meet.uni-ruse.bg/b/fht-4en-rjy">https://meet.uni-ruse.bg/b/fht-4en-rjy</a>
<b>FRI-LCR-P-1-CT(R)-01:</b>	Sustainable Strategy for Design and Management of Biofuel Supply Chains on a Bulgarian Case Study <b>Evgeniy Ganev, Desislava Nikolova, Yunzile Dzhelil, Rayka Vladova</b>
<b>FRI-LCR-P-1-CT(R)-02:</b>	Gravimetric Assessment of the Effect of 2-Acetyl-6-(10H-Phenothiazin-10-Yl)-3a,6-Dihydro-1H-Benzo[De]Isoquinoline-1,3(2H)-Dione on the Corrosion Behavior of Steel in Sulfuric Acidic Environment <b>Temenuzhka Haralanova, Christian Girginov</b>

- FRI-LCR-P-1-CT(R)-03: Waste to Biofuel: Utilization of Waste Dairy Scum for Sustainable Synthesis of Biodiesel - Bulgarian Scale  
**Desislava Nikolova, Evgeniy Ganev, Yunzile Dzhelil, Konstantina Galcheva**
- FRI-LCR-P-1-CT(R)-04: Environmentally Acceptable Synthesis of Magnesium Bearing Fertilizers  
**Krasimir Koshev, Nadia Petrova, Gergana Velyanova**
- FRI-LCR-P-1-CT(R)-05: Comparative Study of Abrasives Content in Toothpaste  
**Iliana Nikolova, Stanka Damyanova**
- FRI-LCR-P-1-CT(R)-06: Comparison and Evaluation of Different Theoretical Methods for Constructively Sizing of Cyclones  
**Desislava Koleva**
- FRI-LCR-P-1-CT(R)-07: Peculiarities in the Sizing of Reactors with Stirring Devices During an Exothermic Reaction  
**Desislava Koleva**
- FRI-LCR-P-1-CT(R)-08: Investigation of the Structure of Garnet Pigments Obtained from Pure and Waste Raw Materials by Using of Electron Paramagnetic Resonance  
**Fila Yovkova, Adriana Georgieva, Tsvetan Dimitrov, Mariela Minova**
- FRI-LCR-P-1-CT(R)-09: Comparative Physicochemical Analysis of Mineral, Mountain and Spring Waters from Bulgaria  
**Nedialka Valcheva, Iliana Nikolova**
- FRI-LCR-P-1-CT(R)-10: Application of Natural Additives to Metalworking Fluids Based on Aqueous Emulsions of Vegetable or Modified Vegetable Oils - A Review  
**Vasil Kopchev**
- FRI-LCR-P-1-CT(R)-11: Overview of the Possibilities of Replacing Mineral Base Oils in Metal Working Fluids with Vegetable Oils and Their Derivatives  
**Vasil Kopchev**
- FRI-LCR-P-1-CT(R)-12: Features of Coordination of Shrinkage Processes of Ceramic Masses and Engobe Coatings in Brick Production  
**Olena Khomenko, Tsvetan Dimitrov**
- FRI-LCR-P-1-CT(R)-13: Features of Bioglass Technology for Bone Tissue Regeneration  
**Olena Khomenko, Illia Prokhorenko, Tsvetan Dimitrov**
- FRI-LCR-P-1-CT(R)-14: Effect of the Temperature During the Polymerization Step on the Characteristics of the Obtained Microcapsules from Different Essential Oils in the Microencapsulation Process by *in Situ* Polymerization  
**Stanislav Bayryamov**
- FRI-LCR-P-1-CT(R)-15: Effect of the Microencapsulation Time on the Characteristics of the Obtained Microcapsules from Different Essential Oils by *in Situ* Polymerization Process  
**Stanislav Bayryamov**
- FRI-LCR-P-1-CT(R)-16: Biodiesel Synthesis from Low Quality Raw Materials Using Sulfomass as a Catalyst  
**Stanislav Bayryamov, Vasil Kopchev, Stefano Danev**
- FRI-LCR-P-1-CT(R)-17: Micro-Infrared and Raman Spectroscopy Applied for Studying Ancient Pigments  
**Rositsa Titorenkova**
- FRI-LCR-P-1-CT(R)-18: Study on the Biological Degradation of Polylactic Acid *in* Various Environments  
**Miroslava Valchanova, Antonia Ilieva, Dimitrina Kiryakova**
- FRI-LCR-P-1-CT(R)-19: IR AND NMR Spectra of Some Isoquinoline Derivatives of 1,8-Naphthalic Anhydride  
**Marin Marinov, Dobromir Tsonev, Iliana Nikolova**
- FRI-LCR-P-1-CT(R)-20: Microbiological Characteristic of Mineral, Mountain and Spring Waters from Bulgaria  
**Nedialka Valcheva, Iliana Kostova, Iliana Nikolova**
- FRI-LCR-P-1-CT(R)-21: Study on the Effect of Nano-Additives in the Low-Temperature Synthesis of Corundum Ceramics  
**Adriana Georgieva, Fila Yovkova, Krasi Panayotova**

**Saturday 04 November 2023**

**09:00 – 12:00**

***Parallel Poster Sessions: Large Conference Room***

**SAT-LCR-P-1-BFT(R)**

**Biotechnologies and Food Technologies**

***Session Chair: Stanka Damyanova***

***Online Moderator: Stanka Damyanova, Tel. +359882669689***

***<https://meet.uni-ruse.bg/b/ght-4en-rjy>***

SAT-LCR-P-1-BFT(R)-01:

Trends in the Sales of Food Supplements and OTC Products

**Mariya Koleva, Momchil Lambev**

SAT-LCR-P-1-BFT(R)-02:

Effect of Blackcurrant Press Flour on the Main Characteristics of Bread

**Toncho Kolev**

SAT-LCR-P-1-BFT(R)-03:

Molecular Diffusion Coefficient of Tannins in Ethanol Extracts of White Oregano (Origanum Heracleoticum L.) Cultivated in Bulgaria

**Ira Taneva, Violeta Paskova, Krasimira Dobreva**

SAT-LCR-P-1-BFT(R)-04:

Thermodynamic and Kinetic Investigation of Sunflower O/W Emulsions with Addition of Citral

**Vanya Gandova**

SAT-LCR-P-1-BFT(R)-05:

Characteristics of Drinking Water from the Region of Sliven

**Vanya Prodanova-Stefanova**

SAT-LCR-P-1-BFT(R)-06:

Chemical Composition of Processed Fennel Fruits and Their Application in Feed Mixtures. 1. Protein and Aminoacids

**Milen Dimov, Milena Nikolova**

SAT-LCR-P-1-BFT(R)-07:

Dietary Fiber Content of Wheat Bread Enriched with Non-Traditional Types of Flour

**Dana Stefanova, Denka Zlateva**

SAT-LCR-P-1-BFT(R)-08:

Different Ways to Produce Biogas

**Ivan Angelov, Venko Beschkov**

SAT-LCR-P-1-BFT(R)-09:

Chitosan – Obtaining and Application

**Martina Pencheva**

SAT-LCR-P-1-BFT(R)-10:

Alginate General Characteristics and Properties

**Darina Georgieva, Iliana Nikolova**

SAT-LCR-P-1-BFT(R)-11:

Technological Characteristics of Grapes and Wine from the Introduced White Wine Clones Albana P4 and Prosecco ESAV 19

**Tatyana Yoncheva, Zdravko Nakov**