



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

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

Sessions Schedule

Програма

63rd Annual Science Conference of Ruse University

63^{ma} Година конференция на Русенския университет

2024 – Ruse, Razgrad, Silistra

Publishing: “Angel Kanchev” University of Ruse

Print: University of Ruse Publishing Center

Copyrights© <http://conf.uni-ruse.bg>

CONTENTS

PROGRAMME COMMITTEE	4
ORGANISING COMMITTEE	7
MESSAGE FROM ORGANIZING COMMITTEE	10
PROGRAM OVERVIEW	12
OCTOBER RESEARCH CONFERENCE IN SILISTRA	12
OCTOBER RESEARCH CONFERENCE IN RUSE	13
NOVEMBER RESEARCH CONFERENCE IN RAZGRAD	15
SESSION SCHEDULE	16
OCTOBER RESEARCH CONFERENCE IN SILISTRA	16
FRI-229-1-LLSHP(S)	16
FRI-110-1-CLEMP(S)	17
FRI-216-1-NMTS(S).....	17
FRI-229-2-LLSHP(S)	18
OCTOBER RESEARCH CONFERENCE IN RUSE	19
FRI-8.303B-1-AMT&ASVM	19
FRI-1.202-1-MR	19
FRI-9.2-1-THPE.....	20
FRI-19.206-1-EC	21
FRI-16.203-1-ID	21
FRI-1.317-1-MEMBT	21
FRI-10.326-1-EEEE	22
FRI-2G.303-1-CCT1	22
FRI-2G.302-1-CCT2.....	23
FRI-K2-1-TMS.....	23
FRI-20.21-1-SITSTL	24
FRI-2B.412-1-EM1	25
FRI-2G.404-1-EM2.....	25
FRI-2G.510-1-ESIS1	26
FRI-2G.510-1-ESIS2	26
FRI-1.322-1-SW.....	26
FRI-1.407-1-MIP	27
FRI-2G.405-1-ERI	27
FRI-1.313-1-PP	28
FRI-2G.307-1-LL.....	28
FRI-2G.408-1-AS.....	29
FRI-2K.201-1-HP.....	29
FRI-2G.309-1-MCDA.....	30
FRI-2G.104-1-HC	30
FRI-2B.313-1-L	31
FRI-2B.312-1-NS.....	31
FRI-2.104-QHE.....	32
SAT-2G.405-1-ERI.....	32
SAT-1.313-2-PP.....	32
SAT-2B.412-1-EM1.....	33
SAT-2B.313-1-L	33
NOVEMBER RESEARCH CONFERENCE IN RAZGRAD	35
FRI-LCR-1-CT(R)	35
FRI-LCR-1-BFT(R)	35
FRI-LCR-P-1-CT(R).....	35
SAT-LCR-P-2-BFT(R)	36

PROGRAMME COMMITTEE

- **Prof. Amar Ramdane-Cherif**
University of Versailles, France
- **Assoc. Prof. Manolo Dulva HINA**
ECE Paris School of Engineering, France
- **Prof. Leon Rothkrantz**
Delft University of Technology, Netherlands
- **Assoc. Prof. Antonio Jose Mendes**
University of Coimbra, Portugal
- **Prof. Ville Leppanen**
University of Turku, Finland
- **Assoc. Prof. Marco Porta**
University of Pavia, Italy
- **Prof. Douglas Harms**
DePauw University, USA
- **Prof. Zhanat Nurbekova**
L. N. Gumilyov Eurasian National University, Nur Sultan, Kazakhstan
- **Prof. Mirlan Chynybaev**
Kyrgyz State Technical University, Bishkek, Kyrgyzstan
- **Prof. Ismo Hakala, PhD**
University of Jyväskylä, Finland
- **Prof. Artur Jutman, PhD**
Tallinn University of Technology, Estonia
- **Prof. RNDr. Vladimir Tvarozek, PhD**
Slovak University of Technology in Bratislava, Bratislava, Slovakia
- **Assoc. Prof. Ing. Zuzana Palkova, PhD**
Slovak University of Agriculture in Nitra, Nitra, Slovakia
- **Andrzej Tutaj, PhD**
AGH University of Science and Technology, Krakow, Poland
- **Prof. Valentin NEDEFF Dr. eng. Dr.h.c.**
“Vasile Alecsandri” University of Bacău, Romania
- **Cătălin POPA, PhD**
“Mircea cel Bătrân” Naval Academy, Constantza, Romania
- **Prof. dr Larisa Jovanović**
Alfa University, Belgrade, Serbia
- **Prof. dr hab. Edmund LORENCOWICZ**
University of Life Sciences in Lublin, Poland
- **Assoc. Prof. Ion MIERLUS - MAZILU, PhD**
Technical University of Civil Engineering, Bucharest, Romania
- **Prof. Dojčil Vojvodić PhD**
Faculty of Philosophy, University of Novi Sad, Serbia
- **Assoc. Prof. Alexandrache Carmen, PhD**
Department of Teacher Training, “Dunarea de Jos”, Galati University, Romania
- **Prof. Alberto Cabada**
University of Santiago de Compostela, Faculty of Mathematics, Santiago de Compostela, Spain
- **Kamen Rikev, Dr Hab.**
Institute of Slavic Philology, Maria Curie-Skłodowska University in Lublin, Poland
- **Anna Klimentova, PhD**
Constantine the Philosopher University of Nitra, Slovakia

- **Prof. Ricardo Gobato, PhD**
Secretariat of State of Parana Education and Sport, Laboratory of Biophysics and Molecular Modeling Genesis, Brasil
- **Prof. Fatima Rahim Abdul Hussein, PhD**
University of Misan, College of Basic Education, English Department, Iraq
- **Prof. Liqaa Habeb Al-esedi, PhD**
English Department, College of Education for Human Science, University of Diyala, Iraq
- **Prof. Esengeldin Baurzhan Satybaldiuly, PhD**
Pavlodar Pedagogical University “Alkey Margulan”, Kazakhstan
- **Prof. Igor Kevorkovich Danilov, DSc**
Yuri Gagarin State Technical University of Saratov, Russia
- **Prof. Aleksander Valentinov Sladkowski, DSc**
Silesian University of Technology, Poland
- **Prof. Vera Karadjova, PhD**
“St. Kliment Ohridski” University – Bitola, Faculty of tourism and hospitality – Ohrid, Republic of North Macedonia
- **Prof. Aleksandar Trajkov, PhD**
“St. Kliment Ohridski” University - Bitola, Faculty of tourism and hospitality – Ohrid, Republic of North Macedonia
- **Prof. Petar Pepur, PhD**
University of Split, Croatia
- **Prof. Korhan Arun, PhD**
Namik Kemal University, Tekirdağ, Turkey
- **Prof. Yuliya Yorgova, PhD**
Burgas Free University, Bulgaria
- **Jelena Stankovic, PhD**
University of Nis, Serbia
- **Jovica Stankovic, PhD**
University of Nis, Serbia
- **Prof. Dr. Diana E. Woolfolk Ruiz**
CETYS University, Mexico
- **Prof. Gerhard Fiolka, PhD**
University of Fribourg, Switzerland
- **Prof. Haluk Kabaalioglu, PhD**
Yeditepe University, Turkey
- **Prof. Silva Alves, PhD,**
University of Lisbon, Portugal
- **Hanneke van Bruggen, DHC mult**
Appeldoorn, The Netherlands
- **Prof. Elena Torina**
Tula State Pedagogical University "L. N. Tolstoy", Tula, Russia
- **Prof. Violeta Jotova**
Direction Pediatrics at St. Marina University Hospital - Varna, Bulgaria, Chair ESPE Postgraduate Qualification Committee
- **Prof. Tanya Timeva, MD, PhD**
Obstetrics and Gynecology Hospital "Dr. Shterev", Sofia, Bulgaria
- **Prof. Kiril Stoychev, PhD,**
Institute of Metal Science, Equipment and Technologies “Acad. A. Balevsci” with Haydroaerodinamics centre – BAS, Bulgaria
- **Assoc. Prof. Mark Shamtsyan, PhD**
Technical University, Saint Petersburg, Russia

- **Assoc. Prof. Oleksii Gubenia, PhD**
National University of Food Technologie, Kiev, Ukraine
- **Prof. Olexandr Zaichuk, DSc**
Ukrainian State University of Chemical Technology, Dnepropetrovsk, Ukraine
- **Prof. Eugene Stefanski, DSc**
Samara University, Russia
- **Assoc. Prof. Tatiana Strokovskaya, PhD**
International University of Nature “Dubna”, Dubna, Russia
- **Prof. DSc. Petar Sotirov**
Maria Curie-Sklodowska University of Lublin, Poland
- **Accos. Prof. Krassimir Dochev Dochev, PhD**
University of Portsmouth School of Engineering, UK
- **Mariana Yordanova Docheva, PhD**
University of Portsmouth School of Engineering, UK
- **Assoc. Prof. Ivan Antonov Lukanov, PhD**
University of Botswana, Faculty of Engineering and Technology, Gaborone, Botswana
- **Assoc. Prof. Petko Vladev Petkov, PhD**
Research Associate Cardiff University, UK
- **Prof. Stepan Terzian DSc**
Bulgarian Academy of Science, Bulgaria
- **Prof. Gabriel Negreanu, PhD**
University Politehnica of Bucharest, Romania
- **Prof. Dobrin Vasilev, MD, PhD**
UMHAT Medica Cor, Ruse, Bulgaria
- **Prof. Nicolae Craciunoiu**
University of Craiova
- **Assoc. Prof. Stelian Tarulescu**
Transilvania University of Brasov
- **Assoc. Prof. PhD Andrei-Alexandru Boroiu**
University of Pitești
- **Prof. Renzo Capitani, PhD**
University of Florence, Engineering School, Italia
- **Prof. Radoslaw Wrobel, DSc**
Wrocław University of Science and Technology, Poland
- **Assoc. Prof. Darina Dimitrova PhD**
University of Economics - Varna

ORGANISING COMMITTEE

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

◆ **ORGANISING COMMITTEE:**

▪ **Chairperson:**

Prof. Gencho Popov, PhD– Rector of UR, Chairperson of US – Ruse,
Prof. DTSc. Hristo Beloev, DHC mult., Academician of Bulgarian Academy of Sciences

▪ **Scientific Secretary:**

Assoc. Prof. Desislava Atanasova, PhD
datanasova@uni-ruse.bg; 082/888 249

▪ **THEMATIC FIELDS:**

▪ **Agricultural Machinery and Technologies, Agrarian Sciences and Veterinary Medicine**

Assoc. Prof. Atanas Atanasov, PhD,
aatanasov@uni-ruse.bg, +359 885 497 406

▪ **Maintenance and Reliability**

Prof. Mitko Nikolov, DSc,
mnikolov@uni-ruse.bg, +359 82 888 458

▪ **Thermal, Hydro- and Pneumatic Equipment**

Prof. Gencho Popov, DSc,
gspopov@uni-ruse.bg, +359 82 888 441

▪ **Ecology and Conservation**

Assoc. Prof. Plamen Manev, PhD,
pmanev@uni-ruse.bg, +359 889 382 797

▪ **Industrial Design**

Assoc. Prof. Yordan Doychinov, PhD,
doichinov@uni-ruse.bg, +359 887 273 040

▪ **Contemporary Language Education, Methodology, Pedagogy, and Psychology; (18.10.24, Silistra)**

Assoc. Prof. Diana Zhelezova-Mindizova, PhD,
dmindizova@uni-ruse.bg

▪ **Linguistics, Literary Studies, History, and Philosophy (18.10.24, Silistra)**

Assoc. Prof. Rumiana Lebedova, PhD,
rlebedova@uni-ruse.bg

▪ **Natural, Mathematical, and Technical Sciences (18.10.24, Silistra)**

Assoc. Prof. Evgenia Goranova, PhD,
egoranova@uni-ruse.bg

▪ **Chemical Technologies (08-09.11., Razgrad)**

▪ **Biotechnologies and Food Technologies (08-09.11., Razgrad),**

Prof. Tsvetan Dimitrov, PhD,
conf_rz@abv.bg, +359 887 631 645

▪ **Mechanical Engineering and Machine-building Technologies**

Prof. Ivelin Ivanov, PhD,
ivivanov@uni-ruse.bg, +359 82 888 472

- **Electrical Engineering, Electronics and Automation**
Prof. Boris Evstatiev, DSc, bevstatiev@uni-ruse.bg, +359 82 888 371,
Assoc. Prof. Kiril Sirakov, PhD, csirakov@uni-ruse.bg, +359 82 888 364
- **Communication and Computer Technologies**
Assoc. Prof. Yordan Kalmukov, PhD, jkalmukov@uni-ruse.bg, +359 82 888 681,
Assoc. Prof. Adriana Borodzhieva, PhD, aborodzhieva@uni-ruse.bg, +359 82 888 734
- **Transport and Machine Science**
Assoc. Prof. Toncho Balbuzanov, PhD
tbalbuzanov@uni-ruse.bg, +359 82 888 608
- **Sustainable and Intelligent Transport Systems, Technologies and Logistics**
Prof. Velizara Pencheva, PhD,
vpencheva@uni-ruse.bg,+359 82 888 558, +359 82 888 608
- **Economics and Management**
Pr. Assist. Prof. Miroslava Boneva, PhD, mboneva@uni-ruse.bg, +359 82 888 776,
Pr. Assist. Prof. Elizar Stanev, PhD, eastanev@uni-ruse.bg, +359 82 888 557
- **European studies and International Security**
Prof. Vladimir Chukov, DSc, vchukov@uni-ruse.bg, 0889 768745,
Pr. Assist. Elizar Stanev, eastanev@uni-ruse.bg, +359 82 888 557
- **Mathematics, Informatics and Physics**
Prof. Tsvetomir Vasilev, PhD,
tvasilev@uni-ruse.bg, +359 82 888 475
- **Education - Research and Innovations**
Pr. Assist. Prof. Ralica Vasileva-Ivanova, PhD,
rivanova@uni-ruse.bg, 0884 109 719
- **Pedagogy and Psychology**
Assoc. Prof. Valentina Vasileva, PhD, rk-ppi@uni-ruse.bg, 0898 407 577,
Assoc. Prof. Galina Georgieva, PhD, zrk-ppi@uni-ruse.bg, 0889 951 920
- **History, Ethnology and Folklore**
Assist. Prof. Veselka Radeva, PhD,
vradeva@uni-ruse.bg, 082888437
- **Linguistics, Literature and Art Science**
Assoc. Prof. Velislava Doneva, PhD,
doneva_v@uni-ruse.bg, 0886 060 299
- **Health Promotion**
Assoc. Prof. Stefka Mindova, PhD,
smindova@uni-ruse.bg, +359 882 895 149
- **Social Work**
Pr. Assist. Prof. Ana Popova, PhD,
apopova@uni-ruse.bg, +359 889 874 219
- **Medical and Clinical Diagnostic Activities**
Pr. Assist. Deniza Trancheva, MD, PhD,
dtrancheva@uni-ruse.bg, +359 82 888 410
- **Health care**
Assoc. Prof. Tsveta Hristova, PhD
tshristova@uni-ruse.bg, +359 878 389 793
- **Law**
Assoc. Prof. Elitsa Kumanova, PhD,
ekumanova@uni-ruse.bg, +359 884 980 050

- **National Security**

Assoc. Prof. Milen Ivanov, DSc,
poligon@abv.bg, +359 82 888 736

- **Quality of Higher Education**

Prof. Ivanichka Serbezova, PhD, iserbezova@uni-ruse.bg,
Daniela Todorova, dtodorova@uni-ruse.bg, +359 82 888 378

MESSAGE FROM ORGANIZING COMMITTEE

DEAR CONFERENCE PARTICIPANTS,

University of Ruse and Ruse Union of Scientists are pleased to welcome you to the 63rd Annual International Scientific Conference, which is co-organized by our two institutions. Scientific and plenary sessions are being held respectively in Silistra on October 18, in Ruse – on 25 and 26 October, and in Razgrad, on 8 and 9 November, 2024.

The Booklet includes the program of 332 reports on research findings, which will be presented during all session days and other parallel forum events.

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

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

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

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

Pending nominations by the Programme Committee, one paper from each section, which have been submitted and presented in English, will be published in Compiled works „Best Paper ‘24“, as hard copy and on-line on the Conference Website.

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

All the remaining papers, successfully approved by international double-blind reviewing, will be published in the respective series of Proceedings of the University of Ruse, vol. 63, 2024 and on-line on the Conference Website: ISSN 1311-3321 (print); ISSN 2535-1028 (CD-ROM); ISSN 2603-4123 (on-line).

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

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



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

Welcome to the 63rd edition of the University of Ruse and Ruse Union of Scientists International Conference on our campus!

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

From the co-organizers of the Conference,

▪ **Chair:**

Prof. Gencho Popov, PhD – Rector of UR, Chairperson of US – Ruse,
Prof. DTSc. Hristo Beloev, DHC mult., Academician of Bulgarian Academy of Sciences

▪ **Scientific Secretary:**

Assoc. Prof. Desislava Atanasova, PhD

PROGRAM OVERVIEW

OCTOBER RESEARCH CONFERENCE IN SILISTRA

Friday 18 October 2024

09:00 – 10:00

Registration

11:00 – 12:00

Plenary session (Room 229)

Keynote speakers:

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

Prof. Stoyanka Ivanova, PhD

Head of the Department of Computer-Aided Engineering at the University of Architecture, Civil Engineering, and Geodesy, Sofia

Topic: Artificial Intelligence and Its Role in the Modern Educational Process

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

Acad. DTSc Hristo Beloev, DHC mult., Prof. Angel Smrikarov, PhD

„Angel Kanchev" University of Ruse

Topic: Traditional Boards vs. Interactive Presentation Systems – A Match with a Foregone Conclusion

12:00 – 12:30

Coffee-break

12:30 – 14:45

Parallel Scientific Events:

FRI-229-1-LLSHP(S)

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

Session Chair: Rumiana Lebedova

FRI-110-1-CLEMP(S)

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

Session Chair: Diana Zhelezova-Mindizova

FRI-216-1-NMTS(S)

Natural, Mathematical, and Technical Sciences (Room 216)

Session Chair: Evgenia Goranova

14:45 – 15:00

Coffee-break

15:00 – 16:45

Parallel scientific events:

FRI-229-2-LLSHP(S)

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

Session Chair: Todorka Georgieva

16:45 – 17:00

Discussion

OCTOBER RESEARCH CONFERENCE IN RUSE

Friday 25 October 2024

11:00 – 13:00

Registration - room 1.322

14:00 – 16:00

Opening and Plenary Session - Hall „Werner von Siemens“ 2G.204
Session Chair: Assoc. Prof. Desislava Atanasova, PhD

Key Speakers:

FRI-2G.204FS-01:

Yordanka Chobanova
Head of the European Commission Representation in Sofia, Bulgaria
Topic: *EU Strategic Agenda for 2024-2029 - Scientific Research, Innovation and Education*

FRI-2G.204FS-02:

Prof. Antonio Gasteratos
Dean of the Faculty of Engineering and Director of the Laboratory of Robotics and Automation, Democritus University of Thrace, Greece
Topic: *Unmanned Aerial Vehicles: applications with embedded vision systems*

FRI-2G.204FS-03:

Kristina Eskenazi
Chairwoman of the Health&Life Sciences Cluster Bulgaria
Topic: *(im)Possible AI: Supporting Spinoff Companies*

FRI-2G.204FS-04:

Rumen Stoimenov
Head of Graphics and Engineering Competence Center at Siemens Bulgaria
Topic: *The Industrial Metaverse: Opportunities and Challenges*

16:30 – 18:30

Parallel Scientific Sessions:

FRI-8.303B-1-AMT&ASVM

Agricultural Machinery and Technologies, Agrarian Science and Veterinary Medicine (Room 8.303b)
Session Chair: *Atanas Atanasov; Tel.: 088 549 7406*

FRI-1.202-1-MR

Maintenance and Reliability (Room 1.202)
Session Chair: *Mitko Nikolov; Tel.: 082 888 458*

FRI-9.2-1-THPE

Thermal, Hydro- and Pneumatic Equipment (Room 9.2)
Session Chair: *Gencho Popov; Tel.: 082 888 441*

FRI-19.206-1-EC

Ecology and Conservation (Room 19.206)
Session Chair: *Plamen Manev; Tel.: 088 938 2797*

FRI-16.203-1-ID

Industrial Design (Room 16.203)
Session Chair: *Yordan Doychinov; Tel: 088 727 3040*

FRI-1.317-1-MEMBT

Mechanical Engineering and Machine-Building Technologies (Room 1.317)
Session Chair: *Ivelin Ivanov*

FRI-10.326-1-EEEA

Electrical Engineering, Electronics and Automation (Room 10.326)
Session Chairs: *Boris Evstatiev, Kiril Sirakov*

FRI-2G.303-1-CCT1

Communication and Computer Technologies 1 (Room 2G.303)
Session Chair: *Yordan Kalmukov*

FRI-2G.302-1-CCT2

Communication and Computer Technologies 2 (Room 2G.302)
Session Chairs: *Plamen Zahariev, Adriana Borodzhieva*

FRI-K2-1-TMS

Transport and Machine Science (Kanev Room 2)
Session Chair: *Vasko Dobrev*

FRI-20.21-SITSTL

Sustainable and Intelligent Transport Systems, Technologies and Logistics (Room 20.21)
Session Chair: *Mihail Milchev*

FRI-2B.412-1-EM1

Economics and Management 1 (Room 2B.412)
Session Chairs: *Anton Nedyalkov, Igor Sheludko*

FRI-2G.404-1-EM2

Economics and Management 2 (Room 2G.404)
Session Chairs: *Aleksandar Kosuliev, Elizar Stanev*

FRI-2G.510-1-ESIS1	European Studies and International Security (Room 2G.510) <i>Session Chair: Vladimir Chukov</i>
FRI-2G.510-1-ESIS2	European Studies and International Security (Room 2G.510) <i>Session Chair: Eva Parvanova</i>
FRI-1.322-1-SW	Social Work (Room 1.322) <i>Session Chairs: Ana Popova, Irina Kostadinova</i>
FRI-1.407-1-MIP	Mathematics, Informatics and Physics (Room 1.407) <i>Session Chair: Tsvetomir Vasilev</i>
FRI-2G.405-1-ERI	Education - Research and Innovations (Room 2G.405) <i>Session Chair: Ralica Vasileva</i>
FRI-1.313-1-PP	Pedagogy and Psychology (Room 1.313) <i>Session Chair: Galina Georgieva</i>
FRI-2G.307-1-LL	Linguistics and Literature (Room 2G.307) <i>Session Chair: Velislava Doneva</i>
FRI-2G.408-1-AS	Art Studies (Room 2G.408) <i>Session Chair: Petya Stefanova</i>
FRI-2K.201-1-HP	Health Promotion (Room 2K.201) <i>Session Chair: Stefka Mindova</i>
FRI-2G.309-1-MCDA	Medical and Clinical Diagnostic Activities (Room 2G.309) <i>Session Chair: Denitsa Trancheva</i>
FRI-2G.104-1-HC	Health Care (Room 2G.104) <i>Session Chair: Tsveta Hristova</i>
FRI-2B.313-1-L	Law (Room 2B.313) <i>Session Chair: Elitsa Kumanova</i>
FRI-2B.312-NS	National Security (Room 2B.312) <i>Session Chair: Milen Ivanov</i>
FRI-2.104-QHE	Quality of Higher Education (Room 2.104) <i>Session Chair: Ivanichka Serbezova</i>

19:00 – 23:00

Ball of Scientists – Riga Hotels

Saturday 26 October 2024

SAT-2G.405-1-ERI	Education – Research and Innovations (Room 2G.405) <i>Session Chair: Ralica Vasileva</i>
SAT-1.313-2-PP	Pedagogy and Psychology (Room 1.313) <i>Session Chair: Ralica Vasileva</i>
SAT-2B.412-1-EM1	Economics and Management 1 (Room 2B.412) <i>Session Chair: Anton Nedyalkov, Igor Sheludko</i>
SAT-2B.313-1-L	Law (Room 2B.313) <i>Session Chair: Elitsa Kumanova</i>

NOVEMBER RESEARCH CONFERENCE IN RAZGRAD

Friday 08 November 2024

09:00 – 13:00

Registration (Hotel Les - lobby bar)

11:00 – 12:30

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

FRI-LCR-KS(R)-01:

Prof. Alexander Karamanov, Emilia Karamanova
Prof. Vladislav Kostov-Kytin

Institute of Physical Chemistry “Rostislav Kaischew”, Bulgarian Academy of Sciences, Sofia, Bulgaria

History of “yellow cobblestones” and analysis of their sintering behaviour, composition, structure and properties

FRI-LCR-KS(R)-02:

Dr. Tatyana Mateva-Ivanova, Prof. Darina Naydenova, MD

Medical University of Varna, Bulgaria

Different alternative eating patterns

SESSION SCHEDULE

OCTOBER RESEARCH CONFERENCE IN SILISTRA

Friday 18 October 2024

09:00 – 10:00

Registration

11:00 – 12:00

Plenary session (Room 229)

Keynote speakers:

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

Prof. Stoyanka Ivanova, PhD

Head of the Department of Computer-Aided Engineering at the University of Architecture, Civil Engineering, and Geodesy, Sofia

Topic: Artificial Intelligence and Its Role in the Modern Educational Process

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

Acad. DTSc Hristo Beloev, DHC mult., Prof. Angel Smrikarov, PhD
„Angel Kanchev" University of Ruse

Topic: Traditional Boards vs. Interactive Presentation Systems – A Match with a Foregone Conclusion

12:00 – 12:30

Coffee-break

12:30 – 14:45

Parallel Scientific Events:

FRI-229-1-LLSHP(S)

Linguistics, Literary Studies, History, and Philosophy (Room 229)
Session Chair: Rumiana Lebedova

FRI-110-1-CLEMP(S)

Contemporary Language Education, Methodology, Pedagogy, and Psychology (Room 110)
Session Chair: Diana Zhelezova-Mindizova

FRI-216-1-NMTS(S)

Natural, Mathematical, and Technical Sciences (Room 216)
Session Chair: Evgenia Goranova

14:45 – 15:00

Coffee-break

15:00 – 16:45

Parallel scientific events:

FRI-229-2-LLSHP(S)

Linguistics, Literary Studies, History, and Philosophy (Room 229)
Session Chair: Todorka Georgieva

16:45 – 17:00

Discussion

12:30 – 14:45

Parallel Session, Room 229

FRI-229-1- LLSHP(S)

Linguistics, Literary Studies, History, and Philosophy
Session Chair: Rumiana Lebedova

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

Bay Ganyo – In Europe and In Our Country
Ivo Bratanov

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

The Paths of Neorealism
Ivan Savov

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

Anton Pan – From Sliven to Bucharest
Silvia Angelova

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

The Travel Notes of Yuriy Venelin on the Grebentsi National Costumes in Region of Silistra
Snezhanka Gencheva

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

Red, Blue, Gold: Name, Symbolism and Composition of Color Images as a Resource for the Study of the Middle Ages
Tatyana Strokovska

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

Poetics of the Icon
Roumyana Lebedova

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

Financial, Economic and Social Chaos in the Silistra Region after September 9, 1944 to 1947
Natalia Mincheva

- FRI-229-1-LLSHP(S)-08: The Struggle for Dobruja Freedom. Vdro or Dro?
Valentin Sabkov
- FRI-229-1-LLSHP(S)-09: The Writer as a Prototype in the Cycle of Feuilletons "Different People – Different Ideals" by Aleko Konstantinov
Ivo Bratanov
- 14:45 – 15:00**
Coffee-break
- 12:30 – 14:45**
FRI-110-1-CLEMPP(S) **Contemporary Language Education, Methodology, Pedagogy, and Psychology**
Session Chair: Diana Zhelezova-Mindizova
- FRI-110-1-CLEMPP(S)-01: Reflection as a Skill in the Pedagogical Profile of the Student-Teacher
Diana Zhelezova – Mindizova
- FRI-110-1-CLEMPP(S)-02: How Not to Be 'Innocents Abroad': Model for Enhancing Intercultural Competence through Non-Formal Education
Diana Nedelcheva Bebenova-Nikolova, Diana Zhelezova – Mindizova
- FRI-110-1-CLEMPP(S)-03: Formal-Business Style. Extraction, Processing and use of Information from Official Business Texts
Mirena Zaneva
- FRI-110-1-CLEMPP(S)-04: "Around the World in 60 Minutes" or How to Prepare Students for the World Outside School through Project-Based Learning
Margarita Pavlova
- FRI-110-1-CLEMPP(S)-05: An Idea for the Application of the "Students Teaching Students" Method in the Lessons of Biology and Health Education (Profiled Preparation)
Petia Gencheva
- FRI-110-1-CLEMPP(S)-06: Methodology for Developing Digital Competence in Restaurant Staff
Katya Stankova Atanasova
- FRI-110-1-CLEMPP(S)-07: Psychology of Customer Satisfaction and Loyalty in Modern Restaurant Management
Katya Stankova Atanasova
- FRI-110-1-CLEMPP(S)-08: Multimodality and the Digital Transformation of Education
Galina Lecheva
- FRI-110-1-CLEMPP(S)-09: An Innovative Approach to Engaging Learning by Applying Motion Tracking Technologies
Elitsa Ibryamova, Diana Zhelezova-Mindizova
- FRI-110-1-CLEMPP(S)-10: Method for Integrating Motion Tracking Systems into the "Computer Graphics" Discipline
Elitsa Ibryamova
- 14:45 – 15:00**
Discussion
- 12:30 – 14:45**
FRI-216-1-NMITS(S) **Natural, Mathematical, and Technical Sciences**
Session Chair: Evgenia Goranova
- FRI-216-1-NMITS(S)-01: Overview Analysis of Speed and Torque in Agricultural Machinery
P. Marinova
- FRI-216-1-NMITS(S)-02: Collagen- Structure, Purification and Application. Clinical Trials with Collagen
Marina Petkova, Marina Yaneva, Tanya Tsaneva
- FRI-216-1-NMITS(S)-03: Computer Modeling Interacting Species Using the Holling-Tanner Model in Microsoft Excel
Kristina Ilieva-Stoycheva
- FRI-216-1-NMITS(S)-04: Digital Tools for Algorithm Programming
Evgenia Goranova
- FRI-216-1-NMITS(S)-05: Overview of Machinery for Tillage Without Plate Turnover
Asparuh Atanasov, Aleksandrina Bankova, Vasil Dimitrov

FRI-216-1-NMITS(S)-06: An Investigation of the Voltage Variations of Power Supply of a High-Power Induction Furnace
Svetlozar Grigorov, Konstantin Koev

FRI-216-1-NMITS(S)-07: Compensation Of Reactive Power Of A High-Power Induction Furnace
Svetlozar Grigorov

FRI-216-1-NMITS(S)-08: Investigation Of The Causes Of Failures C The Common Rail Diesel Fuel System
Valentin Manev, Milen Sapundzhiev

FRI-216-1-NMITS(S)-09: Energy Consumption of Small Electric Scooters Xiaomi m365 Pro in City Conditions
Milen Sapundzhiev, Valentin Manev

14:45 – 15:00

Discussion

15:00 – 16:45

Parallel Session, Room 229

FRI-229-2-LLSHP(S) **Linguistics, Literary Studies, History, and Philosophy**
Session Chair: Todorka Georgieva

FRI-229-2-LLSHP(S)-01: Expressing Conditional Semantic Relations in Bulgarian Folk Proverbs
Donka Ilieva, Todorka Georgieva

FRI-229-2-LLSHP(S)-02: Analysis of Errors Produced by Foreign Students from the Preparatory Year Program in Learning the Romanian Language. Methods of Improving
Cristina Dafinoiu

FRI-229-2-LLSHP(S)-03: Prosodic Means of Expressing Emotions (Emphasis on the Fundamental Frequency F0)
Dora Markova

FRI-229-2-LLSHP(S)-04: Formal-Syntactic Variability in the Use of the Interrogative Particle „Est-Ce Que“ in the Oral Practice of the French Language
Veska Kirilova

FRI-229-2-LLSHP(S)-05: Lexical Similarities between the Bulgarian Word and the French Word Fin
Nevena Stoyanova

FRI-229-2-LLSHP(S)-06: Public Speaking-Treat or Threat for Esl Students?
Alina Costea

FRI-229-2-LLSHP(S)-07: Expressing of Semantic Relations of Opposition in Bulgarian Folk Proverbs
Todorka Georgieva, Donka Ilieva

16:45 – 17:00

Discussion

OCTOBER RESEARCH CONFERENCE IN RUSE

Friday 25 October 2024

11:00 – 13:00

Registration - room 1.322

14:00 – 16:00

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

Session Chair: Assoc. Prof. Desislava Atanasova, PhD

Key Speakers:

FRI-2G.204FS-01:

Yordanka Chobanova

Head of the European Commission Representation in Sofia, Bulgaria

Topic: EU Strategic Agenda for 2024-2029 - Scientific Research, Innovation and Education

FRI-2G.204FS-02:

Prof. Antonio Gasteratos

Dean of the Faculty of Engineering and Director of the Laboratory of Robotics and Automation, Democritus University of Thrace, Greece

Topic: Unmanned Aerial Vehicles: applications with embedded vision systems

FRI-2G.204FS-03:

Kristina Eskenazi

Chairwoman of the Health&Life Sciences Cluster Bulgaria

Topic: (im)Possible AI: Supporting Spinoff Companies

FRI-2G.204FS-04:

Rumen Stoimenov

Head of Graphics and Engineering Competence Center at Siemens Bulgaria

Topic: The Industrial Metaverse: Opportunities and Challenges

16:30 – 18:30

Parallel Scientific Sessions, Room 8.303b

FRI-8.303B-1-AMT&ASVM

Agricultural Machinery and Technologies, Agrarian Science and Veterinary Medicine

Session Chair: Atanas Atanasov; **Tel.: 0885 497 406**

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

Research the Effect of Biostimulants and Bacterial Fertilizers on the Productivity of Wheat, Maize and Sunflower

Lyubomir Ivanov, Svetlana Stoyanova, Evgeniya Zhekova

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

Investigation of the Expression of Heterosis and Degrees of Dominance in Test Crosses of F1 Maize for the Traits: Grain Length, Length and Width on the Ear Leaf

Lyubomir Ivanov

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

Study of the Entomofauna of Alfalfa in Ruse Region

Evgeniya Zhekova

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

Pachynematus Clitellatus (Hymenoptera: Tenthredinidae) in the Area of IASS: "Obratzov Chiflik" - Ruse, Bulgaria

Evgeniya Zhekova

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

Systems for Alternative Electrical Energy from Devices Implemented in the Transmission of Agricultural Machinery

Sadetin Basri, Evgeni Enchev

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

A System for Sound Simulation of a Bee Colony by Transmitting Sound from a Reference Beehive

Iliana Ivanova, Evgeni Enchev, Sadetin Basri

16:30 – 18:30

Parallel Scientific Sessions, Room 1.202

FRI-1.202-1-MR

Maintenance and Reliability

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

FRI-1.202-1-MR-01:

Study of the Work of Coned Electric Hoist Motor by Numerical Experiment

Toni Uzunov, Iliia Todorov

FRI-1.202-1-MR-02:

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

Mitko Nikolov, Antoniy Antoniev, Denis Yasharov

- FRI-1.202-1-MR-03: Analysis of the Status of the Quality of the Recovered Parts
Mitko Nikolov, Kaloyan Nikolaev, Milen Ralchev
- FRI-1.202-1-MR-04: Formation of Technical Service of Tractor Units
Ivan Ivanov, Antoniy Antoniev
- FRI-1.202-1-MR-05: Justification of Service Parameters for Maintenance of Workability of Machine and Tractor Park
Ivan Ivanov, Kaloyan Nikolaev
- FRI-1.202-1-MR-06: Investigation of a Probability Method for Development of Spare Parts Inventory
Mitko Nikolov, Ivan Ivanov
- FRI-1.202-1-MR-07: Optimizing the Number of Spare Parts to Maintain the Workability of Agricultural Machinery
Ivan Ivanov, Antoniy Antoniev, Kaloyan Nikolaev
- FRI-1.202-1-MR-08: Possibilities of Used Oil Analysis Methods in Production Conditions
Plamen Shahanov, Todor Delikostov
- FRI-1.202-1-MR-09: Analysis of Quality Management in Maintenance of Vehicles Employed in Courier Services
Dian Nikolov, Daniel Becana

16:30 – 18:30

Parallel Scientific Sessions, Room 9.2

FRI-9.2-1-THPE

Thermal, Hydro- and Pneumatic Equipment

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

- FRI-9.2-1-THPE-01: Specifics in the Operation of Centrifugal Pumps When Trimming Their Impellers
Desislava Nikolova, Gencho Popov, Kliment Klimentov, Boris Kostov
- FRI-9.2-1-THPE-02: Variation in the Performance of Centrifugal Pumps When Trimming Their Impellers
Desislava Nikolova, Gencho Popov, Kliment Klimentov, Boris Kostov
- FRI-9.2-1-THPE-03: Methodology for Distribution of Fuel Costs in Cogenerative Production of Heat and Electricity
Ivan Denev, Georgi Kolev
- FRI-9.2-1-THPE-04: Assessment of the Effect of Thermal Insulation of a Fitting in a Steam Condensate
Ivan Denev
- FRI-9.2-1-THPE-05: Heat Balance and Instantaneous Efficiency of a Thermosyphon Solar Installation
Ivan Denev
- FRI-9.2-1-THPE-06: Current Trends in the Development of Combustion Control Systems for Industrial Incineration of Municipal
Nikolai Dimitrov, Koycho Atanasov, Ivan Ivanov
- FRI-9.2-1-THPE-07: Influence of Mode and Design Parameters on the Combustion Efficiency of Injected Rotary Jet
Neven Krystev, Ivan Petrov
- FRI-9.2-1-THPE-08: Experimental Studying of the Energy Efficiency of Methods Used to Regulate the Flow Rate in Fan Systems
Reneta Dimitrova, Gencho Popov, Kliment Klimentov, Boris Kostov
- FRI-9.2-1-THPE-09: Studying the Impact of a Combination of Diffusers on the Ventilation Systems Curve
Gencho Popov, Kliment Klimentov, Boris Kostov, Lachezar Kamenov
- FRI-9.2-1-THPE-10: Experimental Investigation of the Heat Consumer of a Laboratory Solar Thermal Installation
Plamen Mushakov, Pencho Zlatev, Zhivko Kolev
- FRI-9.2-1-THPE-11: Results of Field Measurements of Steam Turbine Parameters PT-60-90/13/1,2
Ivan Petrov, Plamen Mushakov
- FRI-9.2-1-THPE-12: Solar Energy in Favor of Sustainable Indoor Plant Cultivation
Pencho Zlatev

16:30 – 18:30

Parallel Scientific Sessions, Room 19.206

FRI-19.206-1-EC

Ecology and Conservation

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

FRI-19.206-1-EC-01:

Seismic, Wind and Fire Protection of Buildings and Facilities through Renovation of Existing Elevator Devices

Stanimir Karapetkov, Ilian Dinev, Galina Maslarska, Ivan Demerdzhiev, Philip Philipoff, Emad Abdulahad, Venkatanathan Natarajan, Mario Muñoz Organero, Elka Radeva, Mehmet Salih Bayraktutan, Simeon Panev, Blagovest Panev, Venelin Kondov, Diana Bankova, Dimo Dimov, Kamen Ishtev

FRI-19.206-1-EC-02:

Research on the Influence of Residual Amounts of Soil Herbicides in Wheat

Denitsa Voycheva, Dimitriya Ilieva, Liana Kostova, Plamen Manev

FRI-19.206-1-EC-03:

Change in the Noise Emitted by Machinery Units as an Indicator of the Occurrence of Failures

Nikolay Kovachev, Ventsislav Dobrinov, Plamen Manev

FRI-19.206-1-EC-04:

Influence of Climate Changes in the Last 20 Years on Agrotechnical Terms in the Country

Ventsislav Dobrinov, Nikolay Kovachev, Plamen Manev

FRI-19.206-1-EC-05:

Analysis of the Activities to Ensure the Purity of the Atmospheric Air on the Territory of the Municipality of Ruse

Lyubomir Vladimirov

16:30 – 18:30

Parallel Scientific Sessions, Room 16.203

FRI-16.203-1-ID

Industrial Design

Session Chair: Yordan Doychinov; Tel: 088 727 3040

FRI-16.203-1-ID-01:

Examination of the Elements of the Interior of Classroom

Nikola Georgiev, Yordan Doychinov

FRI-16.203-1-ID-02:

Design as a Creation of the Human Ego

Lora Stefanova, Yordan Doychinov

FRI-16.203-1-ID-03:

"Receive Feedback" and "Archive" as a Mandatory Final Stage of the Design Process

Silvia Tcheparova, Yordan Doychinov

FRI-16.203-1-ID-04:

Restoration of Sepiolite, Ceramic and Wooden Pipes with Traditional or Innovative Synthetic Materials Simulating Traditional Ones

Desislav Gechev Ivanov

FRI-16.203-1-ID-05:

Sustainable Design and its Interaction with Modern Molding Method "Giga Press"

Simeon Andreev

FRI-16.203-1-ID-06:

Features of Advertising for Children

Cvetomir Konov

16:30 – 18:30

Scientific Sessions, Room 1.317

FRI-1.317-1-MEMBT

Mechanical Engineering and Machine-Building Technologies

Session Chair: Ivelin Ivanov

FRI-1.317-1-MEMBT-01:

Modal Analysis and Free Vibration Test Performing and Comparing for a Simply Supported Beam with a Crack

Svetlin Stoyanov, Julian Angelov

FRI-1.317-1-MEMBT-02:

Experimental Evaluation of Mechanical Strength Parameters of Additively Manufactured Austenitic 316 Stainless Steel Samples

Delyan Gospodinov, Stefan Dishliev, Yosif Munev

FRI-1.317-1-MEMBT-03:

Research on the Influence of Speed and Raster Pitch at Laser Marking of Al 1100 Alloy

Emil Yankov, Roussi Minev

FRI-1.317-1-MEMBT-04: Determination of Efficiency, Metal Recovery, Deposition Coefficient and Arc Stability of Coated Electrodes
Nikolay Ferdinandov

FRI-1.317-1-MEMBT-05: Electrolytic Etching of Cr18Ni10Ti Stainless Steel
Mariana Ilieva

16:30 – 18:30

Parallel Sessions, Room 10.326

FRI-10.326-1-EEEE

Electrical Engineering, Electronics and Automation

Session Chairs: Boris Evstatiev, Kiril Sirakov

FRI-10.326-1-EEEE-01: Concept for Developing an Intelligent Circadian Lighting System Following the Biological Rhythm of the Human Body
Ventsislav Vasilev, Aneliya Manukova, Orlin Petrov

FRI-10.326-1-EEEE-02: Characterization Systems for Endoscopy Sensors with Analog and Digital Interfaces
Denis Sami, Plamen Dikulakov, Aneliya Manukova, Deyan Levski

FRI-10.326-1-EEEE-03: Speed Control of Brushless DC Motor
Nikolay Valov, Donka Ivanova, Martin Dejanov

FRI-10.326-1-EEEE-04: Use of Brushless Motors in Training Courses
Nikolay Valov, Donka Ivanova

FRI-10.326-1-EEEE-05: Analysis of Methodologies and Systems for Testing Smart Devices
Deyan Dimitrov, Irena Valova, Boris Evstatiev

FRI-10.326-1-EEEE-06: Study of the Dependence between Electricity Consumption at a Substation in Northeastern Bulgaria and the Ambient Temperature
Vyara Ruseva, Anka Krasteva

FRI-10.326-1-EEEE-07: Application of MATLAB in DC Motor Research
Anka Krasteva, Vyara Ruseva

FRI-10.326-1-EEEE-08: Investigation of IoT-based Soil Sensors and Fuzzy Logic to Control a Drip Irrigation System
Reni Kabakchieva, Boris Evstatiev

FRI-10.326-1-EEEE-09: Investigation of an IoT-based Potential-Induced Degradation (PID) Compensation System
Atanas Kabakchiev, Boris Evstatiev

FRI-10.326-1-EEEE-10: Software Tools for Hyperspectral Image Preprocessing in Soil Sample Analysis
Georgi Manchev, Stanislav Penchev, Eleonora Nedelcheva, Tsvetelina Georgieva, Plamen Daskalov

FRI-10.326-1-EEEE-11: Selection of Informative Wavelengths in Hyperspectral Image Analysis to Determine the Content of Nitrogen Compounds in Soil Samples
Georgi Manchev, Stanislav Penchev, Eleonora Nedelcheva, Tsvetelina Georgieva, Plamen Daskalov

16:30 – 18:30

Parallel Sessions, Room 2G.303

FRI-2G.303-1-CCT1

Communication and Computer Technologies 1

Session Chair: Yordan Kalmukov

FRI-2G.303-1-CCT1-01: Mobile Game Application for Student Knowledge Practice Developed with an Architecture using Distributed Web Systems
Marian Ileana, Angel Popgeorgiev

FRI-2G.303-1-CCT1-02: Bottom-up Parsing Simulator for Context-Free Simple Precedence Grammars
Tzanko Golemanov, Emilia Golemanova

FRI-2G.303-1-CCT1-03: Dynamic Programming Visualizer
Emilia Golemanova, Tzanko Golemanov

FRI-2G.303-1-CCT1-04: Supporting Development Tools for FPGA-based Training Processors
Aneliya Ivanova, Nikolay Kostadinov

- FRI-2G.303-1-CCT1-05: A Study of the Practical Training Undertaken by Students from the CST Specialty in 2024 in a Real Work Environment
Lachezar Yordanov
- FRI-2G.303-1-CCT1-06: Research on the Impact on the Operator of Images with Predominantly Blue Colors when Using Blue Color Filters
Lachezar Yordanov
- 16:30 – 18:30** *Parallel Sessions, Room 2G.302*
- FRI-2G.302-1-CCT2** **Communication and Computer Technologies 2**
Session Chairs: Plamen Zahariev, Adriana Borodzhieva
- FRI-2G.302-1-CCT2-01: Image Recognition by Discrete Wavelet Transform and Decision Tree Method
Ivelina Balabanova, Georgi Georgiev, Kristina Sidorova
- FRI-2G.302-1-CCT2-02: Researching the Possibilities for Creating an Affordable Project-Oriented Learning Process in the Fields of Automation and Industrial Communications
Ventsislav Keseev
- FRI-2G.302-1-CCT2-03: A Review and Analysis of Computer Vision Algorithms
Iskren Rusanov, Georgi Hristov, Plamen Zahariev
- FRI-2G.302-1-CCT2-04: Intelligent Energy Management Systems in Buildings
Nikolai Kutinchev
- FRI-2G.302-1-CCT2-05: The Challenges and Opportunities of Using Digital Transformation and AI in Enhancing Governance and Anti-Corruption in Egypt
Aya ElSayed Hamed
- FRI-2G.302-1-CCT2-06: A Review on the Drone Applications for Precision Agriculture
Plamen Zahariev, Georgi Hristov, Nikolay Zlatov
- FRI-2G.302-1-CCT2-07: An Overview of the Recent Standards and Applications for Bluetooth 5 and Bluetooth 6
Petar Stoilov, Plamen Zahariev, Aya ElSayed Hamed
- FRI-2G.302-1-CCT2-08: Application of IIoT Solution in Current Industrial Automation
Svetozar Yolov, Georgi Hristov
- FRI-2G.302-1-CCT2-09: Applications of Reed-Solomon Codes
Dimitar Stoyanov, Adriana Borodzhieva
- 16:30 – 18:30** *Parallel Sessions Kanev Room 2*
- FRI-K2-1-TMS** **Transport and Machine Science**
Session Chair: Vasko Dobrev
- FRI-K2-1-TMS-01: Extending the Range of an Electric Car by Powering it from a Cable in the Roadway
Atanas Iliev
- FRI-K2-1-TMS-02: Experimental Determination of Some Suspension Characteristics
Georgi Kadikyanov, Rosen Ivanov, Gergana Staneva, Iliyana Minkovska
- FRI-K2-1-TMS-03: Critical Thinking and the Era of the Information Society
Gergana Mollova
- FRI-K2-1-TMS-04: Methanol as an Additive in Diesel Engines
Ivailo Ivanov, Simeon Iliev, Kiril Hadzhiev
- FRI-K2-1-TMS-05: Design Features of Thermal Management Systems in Electric and Hybrid Vehicles
Ivan Dyankov, Georgi Kadikyanov
- FRI-K2-1-TMS-06: Analysis on the Effects of the Geometry of the Intake Manifold on Volumetric Efficiency Using CFD Methods
Ivaylo Borisov
- FRI-K2-1-TMS-07: Some Specific Features of Dimensioning of Axonometric Projections
Krasimir Kamenov
- FRI-K2-1-TMS-08: Optimizing Product Development and Production by Using FMEA Methodologies in Automotive Industry
Mariyana Karailieva, Gergana Mollova

- FRI-K2-1-TMS-09: Maximizing Lithium-Ion Battery Performance: Understanding SOC, SOH, SOP, SOE
Petar Pavlov, Petko Mashkov
- FRI-K2-1-TMS-10: Ethanol as an Alternative Fuel in Direct Injection Gasoline Engines
Slavena Atanasova, Simeon Iliev, Kiril Hadzhiev
- FRI-K2-1-TMS-11: Bearing Selection for Heavy Loaded Shafts and Gear Sets
Svetoslav Babanov, Antoaneta Dobрева
- FRI-K2-1-TMS-12: Applied Aspects of CAD Systems
Vyarka Ronkova, Krasimir Kamenov
- FRI-K2-1-TMS-13: Analysis of the Correspondence of the Obtained Involving Surfaces of Gears Designed with CAD
Yuliy an Dimitrov, Yordanka Dimitrova
- FRI-K2-1-TMS-14: Kinematic Simulation and Study of Friction Gears
Radostin Dolchinkov
- 16:30 – 18:30** *Parallel Sessions Room 20.21*
- FRI-20.21-1-SITSTL** **Sustainable and Intelligent Transport Systems, Technologies and Logistics Session Chair: Mihail Milchev**
- FRI-20.21-1-SITSTL-01: Research of the Basic Input Parameters for Implementing Coordinated Light Regulation
Iliyan Andreev
- FRI-20.21-1-SITSTL-02: Problems in the Container Industry During Transportation in Export Traffic
Velizara Pencheva, Asen Asenov, A.Tilemissova, A.Tazhuratova, M.Sagitzhanova, G. Zhanbirov Galymzhan
- FRI-20.21-1-SITSTL-03: Possibilities for Optimizing the Parameters Affecting the Environmental Characteristics of a Gasoline Engine
Hristo Konyukchiuev
- FRI-20.21-1-SITSTL-04: Trends in Ozone Levels in Atmospheric Air
Emiliya Stoyneva
- FRI-20.21-1-SITSTL-05: GIS Application for Analysis and Evaluation of Infrastructure Risk Areas
Asen Asenov, Velizara Pencheva, Juliana Popova, Stanimir Penev
- FRI-20.21-1-SITSTL-06: Sustainable Urban Transport in the Face of Rapid Motorization: a Multi-Faceted Approach to Reducing Energy Consumption and CO₂ Emissions
Asen Asenov, Mladen Kulev
- FRI-20.21-1-SITSTL-07: Methodology for Assessing the Impact of Return Cargo Options on Financial and Time Indicators in Port-to-Port Transit Transportation by Road
Boril Ivanov
- FRI-20.21-1-SITSTL-08: M A S S - The Inevitable Future of Shipping
Ivan Conev, Svilen Velinov
- FRI-20.21-1-SITSTL-09: Lean Burn Dual Fuel Marine Engine Self Detonation Peculiarities
Delyan Hristov, Denis Ahmedov, Dimitar Vasilev
- FRI-20.21-1-SITSTL-10: Crude Oil Tanker Cargo Plan Properties
Dobrin Milev
- FRI-20.21-1-SITSTL-11: Methodical Aspects of Decreasing Transport Injuries in Bulgaria
Kalcho Petkov
- FRI-20.21-1-SITSTL-12: Decision Making for Risk Avoidance in Intersection Design
Metodiy Steliyanov, Daniel Lyubenov
- FRI-20.21-1-SITSTL-13: The Evolution of Road Safety Systems: Transitioning from Driver-Vehicle-Road (DVR) to Human-Machine-Environment (HME) and its Impact on Safety and Efficiency
Metodiy Steliyanov, Daniel Lyubenov
- FRI-20.21-1-SITSTL-14: Mezosimulation Analysis of Traffic Flow At Closely Spaced Priority-Controlled Intersections
Metodiy Steliyanov, Mladen Kulev

- FRI-20.21-1-SITSTL-15: Traffic Safety Under Dual Paradigms: The Efficacy of Police Control and Engineering Interventions in Driver-Vehicle-Road and Vision Zero Frameworks
Metodiy Steliyanov
- FRI-20.21-1-SITSTL-16: Studying the Change in the Technical Condition of Diesel Locomotives
Mihail Milchev
- FRI-20.21-1-SITSTL-17: Application of Geographic Information Systems in Formation of Effective Urban Transport Infrastructure for Sustainable Development
Denitsa Miteva, Dimitar Grozev, Ivan Beloev
- FRI-20.21-1-SITSTL-18: Investigation of Braking Properties of Four-Wheel Electric Vehicles
Daniel Lyubenov, Dzhemal Topchu
- FRI-20.21-1-SITSTL-19: Study of Time Losses Due to Transport Delays Along the Southern Traffic Lane of Lipnik Blvd. in the City of Ruse
Toncho Balbuzanov
- FRI-20.21-1-SITSTL-20: Investigating the Possibility of Improving Intersection Capacity through Road Traffic Microsimulation
Pavel Stoyanov, Ivan Beloev
- FRI-20.21-1-SITSTL-21: The Role of Transport in Agriculture
A. Alexandrov , D. Topchu , D. Grozev
- FRI-20.21-1-SITSTL-22: Analysis of the Planning, Control and Management Process of Stock Availability and
Dimitar Grozev , Ivan Beloev

16:30 – 18:30

Parallel Sessions, Room 2B.412

FRI-2B.412-1-EM1

Economics and Management 1

Session Chairs: Anton Nedyalkov, Igor Sheludko

- FRI-2B.412-1-EM1-01: Challenges and Trends in Digital Identity Management
Miroslava Boneva
- FRI-2B.412-1-EM1-02: Digital Hiring: a Literature Review of Technological Advancements
Yoana Krumova, Adile Dimitrova
- FRI-2B.412-1-EM1-03: Management of Human Resources in the Organization – Regulations and Rules
Bozhana Stoycheva
- FRI-2B.412-1-EM1-04: Development of Accident Insurance in Bulgaria – Problems and Solutions
Galina Stoyanova
- FRI-2B.412-1-EM1-05: Prospects for Cluster Development in Bulgaria
Margarita Bogdanova, Iskra Panteleeva, Evelina Parashkevova
- FRI-2B.412-1-EM1-06: Clusters and Knowledge Transfer
Margarita Bogdanova, Evelina Parashkevova, Iskra Panteleeva
- FRI-2B.412-1-EM1-07: ALR Approach for Price Competitiveness of SME within International Supply Chain
Ivan Dimitrov, Emanuila Antonova
- FRI-2B.412-1-EM1-08: Specifics of the Models for Reorder Point Integrated into Popular ERP Systems
Igor Sheludko

16:30 – 18:30

Parallel Sessions Room 2G.404

FRI-2G.404-1-EM2

Economics and Management 2

Session Chairs: Aleksandar Kosuliev, Elizar Stanev

- FRI-2G.404-1-EM2-01: Effective Social Interaction Models in the Context of Social Services
Ivaylo Ivanov
- FRI-2G.404-1-EM2-02: Research the Influence of Conflicts on the Activity of an Organization
Svilena Ruskova, Svilen Kunev
- FRI-2G.404-1-EM2-03: Geographic Information Systems as a Tool Supporting the Localization of Business Entities
Trayan Totev

- FRI-2G.404-1-EM2-04: Determinants of the Value of the Internal Brand and Criteria for Proving Their Influence on it
Petar Penchev, Irena Kenarova-Pencheva
- FRI-2G.404-1-EM2-05: The Impact of Construction Investments on the GDP of Bulgaria
Galina Ruseva
- FRI-2G.404-1-EM2-06: The Role of Machinery Investments in Bulgaria's Economic Growth: An Econometric Approach
Galina Ruseva
- FRI-2G.404-1-EM2-07: Study of the Relationship between Turnover and Liquidity in the Agricultural Sector
Teodor Nenov
- FRI-2G.404-1-EM2-08: Is Eurozone Membership Any Good for Limiting Government Debt?
Aleksandar Kosuliev, Eva Parvanova

16:30 – 17:30

Parallel Sessions Room 2G.510

- FRI-2G.510-1-ESIS1** **European Studies and International Security**
Session Chair: Vladimir Chukov
- FRI-2G.510-1-ESIS1-01: Jerusalem - Trigger of the World Religious Political Paradigm
Vladimir Chukov
- FRI-2G.510-1-ESIS1-02: The Risks for the Global Security in the Context of the Global Risks Report 2024
Krasimir Koev
- FRI-2G.510-1-ESIS1-03: Economic Factors for Separatism in EU Member States
Eva Parvanova
- FRI-2G.510-1-ESIS1-04: Economic Aspects of Admission of African States to Permanent Membership in the United Nations Security Council
Eva Parvanova

17:45 – 18:30

Parallel Sessions Room 2G.510

- FRI-2G.510-1-ESIS2** **European Studies and International Security**
Session Chair: Eva Parvanova
- FRI-2G.510-1-ESIS2-01: European Strategic Autonomy: Assessing EU's Capacity to Act Independently in Global Affairs
Chavdar Raev
- FRI-2G.510-1-ESIS2-02: After Decades of Liberal Policies, Europe Takes a Shift to the Right
Orlin Kisiov
- FRI-2G.510-1-ESIS2-03: Civil Society as an Alternative to Public Education Institutions: The Case of European Initiatives without Limits
Blagovesta Tsenova

16:30 – 18:30

Parallel Sessions Room 1.322

- FRI-1.322-1-SW** **Social Work**
Session Chair: Ana Popova, Irina Kostadinova
- FRI-1.322-1-SW-01: Empowerment in Social Work Organizations
Maria Stoykova
- FRI-1.322-1-SW-02: Scientific Research of the Utility of Using Generative AI in Healthcare Facilities
Ivelina Simeonova
- FRI-1.322-1-SW-03: Impact on Social Functioning on the Quality of Life of Dependent Persons
Evgeniya Bratoeva, Nataliya Venelinova
- FRI-1.322-1-SW-04: The Relationship between Empathy and Professional Burnout in Social Work Practice
Silviya Beloeva, Nataliya Venelinova
- FRI-1.322-1-SW-05: Challenges to Inclusive Education for Individuals with Dyslexia
Nataliya Venelinova, Silviya Beloeva

- FRI-1.322-1-SW-06: Personal Strategies of Students with Special Needs and Their Families to Cope with Risks for Social Exclusion after Graduation
Ana Popova
- FRI-1.322-1-SW-07: Providing Healthy and Safe Working Conditions for People with Disabilities
Irina Kostadinova, Nataliya Venelinova
- FRI-1.322-1-SW-08: Study of Motivation for Realization and Career Development in the Labor Market of People with Disabilities Residents of the Municipality of Kubrat
Nataliya Venelinova, Evgeniya Bratoeva
- FRI-1.322-1-SW-09: Global Projections of Homelessness
Evgeniya Bratoeva, Silviya Beloeva
- FRI-1.322-1-SW-10: Communication Aspects of Social Work with Refugees
Nataliya Venelinova, Irina Kostadinova

16:30 – 18:30

Parallel Sessions Room 1.407

FRI-1.407-1-MIP

Mathematics, Informatics and Physics

Session Chair: Tsvetomir Vasilev

- FRI-1.407-1-MIP-01: Project-Based Learning and its Impact on Creativity and Problem-Solving Skills in Profiling Computer Science Education
Stanaila Karagaeva, Svetlozar Tsankov
- FRI-1.407-1-MIP-02: Implementation of Artificial Intelligence In E-Commerce Stores
Serkan Sadulov, Kamelia Shoilekova
- FRI-1.407-1-MIP-03: The Role of Scripting in the Game Engine
Mustafa Mustafov, Kamelia Shoilekova
- FRI-1.407-1-MIP-04: 3D Terrain Generation Subsystem
Valentin Velikov, Salih Redjeb
- FRI-1.407-1-MIP-05: Cybersecurity First Principles – Strategy and Tactics
Valentin Velikov

16:30 – 18:30

Parallel Sessions Room 2G.405

FRI-2G.405-1-ERI

Education – Research and Innovations (Room 2G.405)

Session Chair: Ralica Vasileva

- FRI-2G.405-1-ERI-01: Problem-Based Educational Activities to Increase the Sociocultural Competence of Parents in School Communities Receiving Migrant Children
Daniela Racheva
- FRI-2G.405-1-ERI-02: Formation of Stem Competences in Students-Future Teachers
Elisaveta Semerdzhieva
- FRI-2G.405-1-ERI-03: Digistem: Revolutionizing Stem Education through Digital Teaching, Learning, and Assessment
Ion Mierlus-Mazilu, Emilia Velikova, Ralitsa Vasileva-Ivanova
- FRI-2G.405-1-ERI-04: Operational Research-Based Learning Service for Transport Problem Solutions
Ion Mierlus-Mazilu
- FRI-2G.405-1-ERI-05: Technological Model of a Lesson on the Topic "Permutations, Variations and Combinations"
Desislava Georgieva
- FRI-2G.405-1-ERI-06: Powerpoint Presentation of Summary Lesson for the Integer Expressions Module in 7-Th Grade
Hristina Ilkova Hristova, Anna Lecheva
- FRI-2G.405-1-ERI-07: Exercise and Assessment Tests for the Integer Expressions Module in 7-th Grade Using the Smartest Online Platform
Hristina Ilkova Hristova, Anna Lecheva
- FRI-2G.405-1-ERI-08: Linear Equation Modeling of Work Word Problems in 7-th Grade
Desislava Dimitrova, Anna Lecheva
- FRI-2G.405-1-ERI-09: Developing Algebra Problems for 7-th Grade by Seventh Graders
Irina Peneva Vasileva, Prof. Ralitsa Vasileva-Ivanova

- FRI-2G.405-1-ERI-10: Developing Geometry Problems for 7-th Grade by Seventh Graders
Irina Peneva Vasileva, Ralitsa Vasileva-Ivanova
- 16:30 – 18:30**
FRI-1.313-1-PP
Pedagogy and Psychology
Session Chair: Galina Georgieva
- FRI-1.313-1-PP-01: Studying the Impact of an Interactive Substance Prevention Program
Bagryana Ilieva
- FRI-1.313-1-PP-02: Desire or Necessity: The Motivation of Older Adults to Enter Care Homes
Dima Spasova
- FRI-1.313-1-PP-03: Problems of School Preparation
Asya Veleva
- FRI-1.313-1-PP-04: Model of Technology for Individual Consulting of Children of Pre-School Age in an Unequal Social Situation
Desislava Belomorska
- FRI-1.313-1-PP-05: Road Safety Training as Part of the Pedagogical Interaction on ‘Surrounding World’ in Kindergarten
Ekaterina Ivanova
- FRI-1.313-1-PP-06: Study of Attitudes Towards Reading Among Parents of Children Attending "Vechernitsa" Kindergarten, Blagoevgrad
Teodora Genova, Sabina Eftimova, Desislava Ivanova
- FRI-1.313-1-PP-07: Bullying Experiences of Children and Individuals with Intellectual Disability, Autism Spectrum Disorder, Down Syndrome and Williams Syndrome
Katerina Zlatkova-Doncheva
- FRI-1.313-1-PP-08: Formation of Social-Pedagogical Competence in the Students of the Pedagogical Specialties as a Component of the Teacher's Professional Competence
Valentina Vasileva
- FRI-1.313-1-PP-09: The Advantages and Disadvantages of Integrating Technology in the Education of Children on the Autist Spectrum
Hiba Nassar, Julia Doncheva, Valentina Voinohovska
- FRI-1.313-1-PP-10: Attitudes and Trends in 21st Century Education: Educators Shaping the New Generation
Julia Doncheva, Estabraq R Ibrahim, Fatima Raheem Abdul Hussein
- 16:30 – 18:30**
FRI-2G.307-1-LL
Linguistics and Literature
Session Chair: Velislava Doneva
- FRI-2G.307-1-LL-01: Phraseologisms in Bulgarian Language Used for Expressive Indication of Positive Personality Traits
Emilia Nedkova
- FRI-2G.307-1-LL-02: Deviations from the Pronunciation Norms in the Language of Journalists
Maria Stefanova
- FRI-2G.307-1-LL-03: The Language of Andrey Robovsky (Graphic, Spelling and Phonetic Features of the Book "Vault of Souls")
Ivo Bratanov
- FRI-2G.307-1-LL-04: The Great Four in Mara Belcheva’s Memoirs
Petya Abrasheva
- FRI-2G.307-1-LL-05: Niko Prosenichkov’s Pedagogical Concepts About the Relation Family-School in his Periodical “our Family”
Velislava Doneva

16:30 – 18:30

Parallel Sessions Room 2G.408

FRI-2G.408-1-AS

Art Studies

Session Chair: Petya Stefanova

FRI-2G.408-1-AS-01:

“The Ones Before Last” – The Forgotten Stories About the Pioneers in Film Industry

Ivaylo Ivanov Natzev

FRI-2G.408-1-AS-02:

From Concept to Digital Product: The Musical Journey of Students

Petya Stefanova

FRI-2G.408-1-AS-03:

Sound Generation in Labial Wind Instruments

Pavel Stefanov

FRI-2G.408-1-AS-04:

Profile of Future Teachers through the Dimensions of Their Music Perception Skills and Their Readiness to Apply Musical Activities in Their Pedagogical Work

Milena Velikova

16:00 – 18:20

Parallel Sessions Room 2K.201

FRI-2K.201-1-HP

Health Promotion

Session Chair: Stefka Mindova

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

Treatment of Skin Defects with Honey Massage

Petya Parashkevova, Radoslava Deleva, Hristo Hristov

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

Information Campaign on Prevention of Falls in Elderly and Old People

Irina Karaganova, Stefka Mindova

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

Falls in Elderly People. Risk Factors

Stefka Mindova, Irina Karaganova

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

The Tools for Assessment of Risk of Falls in the Elderly and Old People to Help Physiotherapists

Ivelina Stefanova

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

Application of Kinesiotherapy with a View to Prevention of Negative Consequences after Falls Among Elderly People at Home

Yuliyana Pashkunova

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

Investigation of the Effects of the Application of a Circuit Training Program on Overweight Patients

Nataliya Hadzhiyska, Aleksandar Andreev

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

Groups of Drugs Increasing the Risk of Falls in Physiotherapeutic Practice

Aleksandar Andreev, Lada Andreeva

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

Exploring Occupational Therapist's Role in Inclusive Education

Petya Mincheva, Liliya Todorova, Margarita Kandilarova

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

Distal Humeral Fractures -Which is the Optimal Surgical Approach?

Yordan Andonov, Nikolay Angelov

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

Physiotherapy in e Patient After Zachary's Transposition of N. Radialis – A Case Report

Denitsa Vasileva, Vesela Krasteva

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

Neuropsychological Resilience of Military Medical Students During Exam

Tereza Stoyanova, Rositsa Nedeva, Dimitar Stavrev

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

Attraction and Participation of Students in Marine Medicine Scientific Activity

Rositsa Nedeva, Dimitar Stavrev

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

Methods of Increase Stress Resistance. Tracking the Effect of the Hoff Method on a Military Medical Trainee

Georgi Kostadinov, Yana Mihailova, Dimitar Stavrev

16:30 – 18:30

Parallel Sessions Room 2G.309

FRI-2G.309-1-MCDA

Medical and Clinical Diagnostic Activities

Session Chair: Denitsa Trancheva

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

Tumor Biomarker Neuron Specific Enolase (NSE)-Clinical-Laboratory Aspects

Denitsa Trancheva

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

Ischemic Stroke - Current Therapeutic Strategies and Prevention

Neli Petrova

FRI-2G.309-1-MCDA-03:

Diagnosis and Treatment of Congenital Pyloric Stenosis - Two Clinical Cases

Vanya Dacheva, Tanzhu Pandzhar

FRI-2G.309-1-MCDA-04:

Munchausen Syndrome - Myth or Reality

Kristina Zaharieva

FRI-2G.309-1-MCDA-05:

Anesthesia for Endoscopic Manipulation in Patients with Lupus

Teodora Nedeva

FRI-2G.309-1-MCDA-06:

Brugada Syndrome - A Silent Killer

Ognyan Sherbanov

FRI-2G.309-1-MCDA-07:

News in Immunomodulation

Svilen Dosev, Kina Velcheva

FRI-2G.309-1-MCDA-08:

Changes in Clinical - Laboratory Parameters in Kidney Dysfunction, According to the Degree of Damage in Patients at Risk

Ivelina Dobрева, Pavlina Teneva, Kaloyan Varlykov

FRI-2G.309-1-MCDA-09:

Hygienic Norms of Behavior in Teenage Years

Petya Krumova, Anushka Uzunova

FRI-2G.309-1-MCDA-10:

Effects of Aging on Joint Proprioception

Steliyana Valeva, Nazife Bekir, Katya Mollova

16:00 – 18:20

Parallel Sessions Room 2G.104

FRI-2G.104-1-HC

Health Care

Session Chair: Tsveta Hristova

FRI-2G.104-1-HC-01:

Impact of Low Back Pain on Health-Related Quality of Life

Rositsa Krasteva

FRI-2G.104-1-HC-02:

Contraception - Past and Present

Kina Velcheva

FRI-2G.104-1-HC-03:

Application of Hyperbaric Oxygenation in the Treatment of Diabetic Foot

Yuliyana Georgieva

FRI-2G.104-1-HC-04:

Latent Autoimmune Diabetes in Adults (LADA)

Yuliya Slavova

FRI-2G.104-1-HC-05:

Contemporary Recommendations and Care For Nipple Discomfort and Trauma During Lactation

Daniela Lyutakova

FRI-2G.104-1-HC-06:

Analysis of The Prevalence of Diabetes in Bulgaria

Despina Georgieva, Pamela Nikolova

FRI-2G.104-1-HC-07:

Lifestyle and Awareness of Osteoporosis Prevention

Irinka Hristova, Despina Georgieva, Greta Koleva

FRI-2G.104-1-HC-08:

Approaches to Measuring Antenatal Care

Tsveta Hristova, Yoana Lukanova

FRI-2G.104-1-HC-09:

Tethered Cord Syndrome- A Less Common Cause of Recurrent Urinary Tract Infections in Children

Eva Tsonkova, Alexander Parashkevov

FRI-2G.104-1-HC-10:

Analysis and Recommendations for the Prevention of Obstetric Aggression

Yoana Lukanova, Veselka Mihaylova

FRI-2G.104-1-HC-11:

Management Styles in Medical Practice through the Eyes of Health Care Management Master's Students

Greta Koleva, Despina Georgieva, Irinka Hristova

- FRI-2G.104-1-HC-12: Psychiatric Health Care in Bulgaria: SWOT Analysis
Miroslava Ilieva
- FRI-2G.104-1-HC-13: Risk of Falls During Pregnancy - Prevention Methods
Veselka Mihaylova, Yuliyana Georgieva

16:00 – 18:00

Parallel Sessions Room 2B.313

FRI-2B.313-1-L

Law

Session Chair: Elitsa Kumanova

- FRI-2B.313-1-L-01: The Legal Aspects of Residential Services in Bulgaria
Elitsa Kumanova, Nikolina Angelova
- FRI-2B.313-1-L-02: The Problems on Discrimination in Health Care
Elitsa Kumanova, Nikolina Angelova
- FRI-2B.313-1-L-03: Juxtaposition between the Normative and the Factual in Law
Doroteya M. Dimova-Severinova
- FRI-2B.313-1-L-04: Procedural Law Beyond Mechanism
Teodora Yovcheva
- FRI-2B.313-1-L-05: On the Value of Votes Not Supporting Anyone in Proportional Elections in Bulgaria
Zornitsa Yordanova
- FRI-2B.313-1-L-06: Termination of the Parliamentary Mandate as a Result of the Invalidation of Controverted Elections
Rumen Vodenicharov
- FRI-2B.313-1-L-07: Development of Mediation in Bulgaria for the Period 2017-2022 - Tendencies and Perspectives
Elitsa Todorova
- FRI-2B.313-1-L-08: The State for the Women and the Women for the State. Review of the Legal Rights History of Women in Bulgaria, Greece and Romania
Vassilena Nedelcheva

16:00 – 18:00

Parallel Sessions Room 2B.312

FRI-2B.312-1-NS

National Security

Session Chair: Milen Ivanov

- FRI-2B.312-1-NS-01: Strategic Vision in the Context of Bulgaria National Security
Milen Ivanov
- FRI-2B.312-1-NS-02: The State and Prospects of Personnel Provisioning in Bulgaria Security Services
Milen Ivanov
- FRI-2B.312-1-NS-03: The Concept of "Conflict of Norms" in International Law
Kremena Rayanova
- FRI-2B.312-1-NS-04: Legal Protection of Children During Armed Conflict
Kremena Rayanova
- FRI-2B.312-1-NS-05: Grounds and Prerequisites for the Appointment of Forensic Examination in Criminal Proceedings
Nevena Ruseva
- FRI-2B.312-1-NS-06: Control Over the Implementation of the Issued Permits for Activities with Firearms and Ammunition for them
Plamen Parvanov Penchev
- FRI-2B.312-1-NS-07: Legal Administration Regarding Distance Learning in the Field of National Security
Danail Kumanov
- FRI-2B.312-1-NS-08: Mechanisms of Simulative Behavior in Serious Criminal Offenders
Silvia Krushkova

FRI-2B.312-1-NS-09: The Voice of the European Citizens About the Risks for the European Security: The Case with Bulgaria
Krasimir Koev

16:30 – 18:30

Parallel Sessions Room 2.104

FRI-2.104-QHE

Quality of Higher Education

Session Chair: Ivanichka Serbezova

FRI-2.104-QHE-01:

Quality Tools for Analyzing the Causes for Poor Innovation Management Performance

Tzvetelin Gueorguiev

FRI-2.104-QHE-02:

Methodology for Assessing Employers' Views on the Quality of the Educational Product

Daniela Yordanova, Ivanichka Serbezova

FRI-2.104-QHE-03:

Health Aspects of Student Well-Being – A Basis for Creating a Support Strategy in the University of Ruse

Petya Cheshmedzhieva, Tanya Grozeva

FRI-2.104-QHE-04:

Virtual Reality and Innovative Technologies to Improve Nursing and Midwifery Education in Bulgaria

Galya Georgieva-Tsaneva, Ivanichka Serbezova

Saturday 26 October 2024

09:00 – 10:30

Parallel Sessions Room 2G.405

SAT-2G.405-1-ERI

Education – Research and Innovations

Session Chair: Ralica Vasileva

SAT-2G.405-1-ERI-01:

National External Mathematics Assessment in 7-th Grade Problems on the Topic Equal Triangles

Irina Vincheva, Ralitsa Vasileva-Ivanova

SAT-2G.405-1-ERI-02:

Assessment Test for the Quadratic Equations Module Using the Smartest Online Platform

Sedat Mahmud, Anna Lecheva

SAT-2G.405-1-ERI-03:

Transforming Education for the 21 Stcentury Learner. Learning and Teaching Trends in Higher Education

Ion Mierlus-Mazilu, Emiliya Velikova

SAT-2G.405-1-ERI-04:

Girls – Generation for Innovation, Resilience, Leadership and Sustainability Project

Ion Mierlus-Mazilu

SAT-2G.405-2ERI-05:

Universal Design for Learning – An Equal Opportunity to Succeed

Emiliya Velikova, Ralitsa Vasileva-Ivanova, Laimutė Ruzgienė

SAT-2G.405-1-ERI-06:

Conceptual Models and Methods for Improving the Educational Process in Accounting Business Analysis of the Enterprise

Marko Timchev

09:00 - 10:30

Parallel Sessions Room 1.313

SAT-1.313-2-PP

Pedagogy and Psychology

Session Chair: Ralica Vasileva

SAT-1.313-2-PP-1:

Electronic Tools and Activities in the Teaching of Mathematics to Primary Students

Stefan Kr. Stefanov

SAT-1.313-2-PP-2:

Methods of Didactic Animation in Bulgarian Language and Literature Training at the Beginning Stage

Zhivka Ilieva

SAT-1.313-2-PP-3:

Educational Guidelines for Children Under 3 Years of Age in Europe

Galina Georgieva

SAT-1.313-2-PP-4: Applicability of Situational, Substitutional and Self-Leadership in the Group Learning Process
Lora Radoslavova

SAT-1.313-2-PP-5: Formation of Stem Competences in Students-Future Teachers
Elisaveta Semerdzhieva

09:00 – 10:15

Parallel Sessions, Room 2B.412

SAT-2B.412-1-EM1

Economics and Management 1

Session Chair: Anton Nedyalkov, Igor Sheludko

SAT-2B.412-1-EM1-01: Research and Analysis of Barriers to the Implementation of Lean Manufacturing Tools in Small and Medium-Sized Enterprises – Part 1
Zina Hristova

SAT-2B.412-1-EM1-02: Research and Analysis of Barriers to the Implementation of Lean Manufacturing Tools in Small and Medium-Sized Enterprises – Part 2
Zina Hristova

SAT-2B.412-1-EM1-03: Relationships at the Sector and Regional Level to Implement Marketing Strategies
Lyubomir Lyubenov

SAT-2B.412-1-EM1-04: The Green Economy and Dimensions of the Green Marketing
Daniela Ilieva

SAT-2B.412-1-EM1-05: Correlations between Teaching Experience and Cultural Intelligence of Bulgarian Academic Lecturers
Hristina Sokolova, Daniela Ilieva

09:00 – 13:30

Parallel Sessions Room 2B.313

SAT-2B.313-1-L

Law

Session Chair: Elitsa Kumanova

SAT-2B.313-1-L-01: Administration in the Russian Empire
Emanuil Kolarov

SAT-2B.313-1-L-02: Administration in England and the British Empire
Emanuil Kolarov

SAT-2B.313-1-L-03: The Administrative Sanction Community Service in Favour of the Society – Regulation and Characteristics
Dilyana Kalinova

SAT-2B.313-1-L-04: Financial Legal Acts
Elina Marinova

SAT-2B.313-1-L-05: Financial Legal Relations – Features and Types
Elina Marinova

SAT-2B.313-1-L-06: Coercive Enforcement of Claims for Local Taxes
Vanya Panteleeva

SAT-2B.313-1-L-07: Issues of the Economic Activity of the Municipality - Subject of Activity of the Municipal Enterprise
Anastas Georgiev

SAT-2B.313-1-L-08: Legal Status of Cultural Institutes in Bulgaria
Anastas Georgiev

SAT-2B.313-1-L-09: Discussion Questions Regarding the Transformation of the Care Obligation in the Maintenance and Care Contract
Mihail Malchev

SAT-2B.313-1-L-10: National and European Payment Order. Comparison
Petar Bonchovski

SAT-2B.313-1-L-11: Six-Month Continuous Possession as a Condition for Filing a Claim Under Art. 75 of the Property Act
Sergey Kalinkov

- SAT-2B.313-1-L-12: International Jurisdiction and Applicable Law to Sovereign Protection in Private Relations with an International Element
Sergey Kalinkov
- SAT-2B.313-1-L-13: Ports and Specialized Port Facilities
Anna Nikolova
- SAT-2B.313-1-L-14: Liquidation of Assets in Entrepreneur Insolvency Proceedings
Vladislav Ivanov
- SAT-2B.313-1-L-15: Non-Disclosure Agreement Between the Employer and the Employee and Worker
Maria Radeva
- SAT-2B.313-1-L-16: Between the Economic Interest of the Employer and the Right to Work
Maria Radeva, Vanya Panteleeva
- SAT-2B.313-1-L-17: On the Issue of the Counsel in the Criminal Proceeding of the Republic of Bulgaria
Lyuboslav Lyubenov

NOVEMBER RESEARCH CONFERENCE IN RAZGRAD

Friday 08 November 2024

09:00 – 13:00

Registration (Hotel Les - lobby bar)

11:00 – 12:30

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

FRI-LCR-KS(R)-01:

Prof. Alexander Karamanov, Emilia Karamanova
Prof. Vladislav Kostov-Kytin

Institute of Physical Chemistry “Rostislav Kaischew”, Bulgarian Academy of Sciences, Sofia, Bulgaria

History of “yellow cobblestones” and analysis of their sintering behaviour, composition, structure and properties

FRI-LCR-KS(R)-02:

Dr. Tatyana Mateva-Ivanova, Prof. Darina Naydenova, MD

Medical University of Varna, Bulgaria

Different alternative eating patterns

13:30 – 15:00

Parallel Scientific Sessions: Large Conference Room

FRI-LCR-1-CT(R)

Chemical Technologies

Session Chair: Temenuzhka Haralanova

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

Luminescence Properties of Samarium and Europium Complexes with Dithiocarbamate Ligand

Ivelina Georgieva, Tsvetan Zahariev, Borris Borrisov, Natasha Trendafilova, Rositsa Kukeva, Martin Tsvetkov, Denitsa Elenkova

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

Hydrothermal Amino Acids Formation from Simple Prebiotic Precursors

Sofia Slavova, Nina Stoyanova - Nankova, Sonya Harizanova, Ivayla Dincheva, Mila Rusanova, Sofiya Ivanovska, Venelin Enchev

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

Simulating the Process of Obtaining Corundum Ceramics with Incorporated Graphene Nanostructures

Margarita Georgieva, Stancho Pavlov, Irena Markovska, Adriana Georgieva

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

Optical Properties and Tautomerism of 2-Carbamido-1,3-Indandione in Ground and Excited States

Venelin Enchev, Tsvetan Zahariev, Nina Stoyanova, Ivan Angelov, Ivelina Georgieva

FRI-LCR-1-CT(R)-05:

Designing a Hydrogen Supply Chain According to Environmental, Economic and Social Criteria

Evgeniy Ganev, Elisaveta Kirilova, Venko Beschkov

15:30 – 16:15

Parallel Scientific Sessions: Large Conference Room

FRI-LCR-1-BFT(R)

Biotechnologies and Food Technologies

Session Chair: Iliana Kostova

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

Chemical Composition, Phenolic Complex and Antioxidant Activity of White Wines Produced in Contact with Oak Wood

Tatyana Yoncheva, Dimitar Dimitrov

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

An Overview of Latest Trends in Reducing Food Losses and Waste Management

Darina Georgieva

16:30 – 18:00

Parallel Poster Sessions: Large Conference Room

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

Chemical Technologies

Session Chair: Tsvetan Dimitrov

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

Possibilities of Obtaining Nanocomposite Materials as Adsorbents for Waste Water Treatment

Adriana Georgieva, Ralitzia Koleva, Gergana Peeva, Krasi Panayotova

- FRI-LCR-P-1-CT(R)-02: Location Optimization of the Elements of the Combined Dairy-Biodiesel Supply Chain
Desislava Nikolova
- FRI-LCR-P-1-CT(R)-03: Preliminary Studies of Bulgarian Natural Raw Materials as Possible Sources for the Synthesis of High-Quality Ceramics of the “Yellow” Pavers Type
Vladislav Kostov-Kytin, Aleksandar Nikolov, Gergana Velyanova, Liliya Tsvetanova, Alexander Karamanov
- FRI-LCR-P-1-CT(R)-04: A Systematic Review of Machine Learning Methods for Finding Molecules with Antimicrobial Activity
Lilyana Ivanova, Momchil Lambev, Plamen Bekyarov, Nadya Agova
- FRI-LCR-P-1-CT(R)-05: Hydrothermal Synthesis of Nanoscaled Materials Containing Platinum Group Metal Using Sodium Hydrogensulfite
Kremena Todorova, Velyana Georgieva, Svetlana Genieva
- FRI-LCR-P-1-CT(R)-06: Investigation of Methods for Extracting Calcium Carbonate from Waste Eggshells
Ganka Kolchakova, Dimitrina Kiryakova, Antoniya Ilieva, Yancho Hristov
- FRI-LCR-P-1-CT(R)-07: Selection of a Stable Thermal Regime in Different Types of Chemical Reactors During an Exothermic Reaction
Desislava Koleva
- FRI-LCR-P-1-CT(R)-08: Synthesis of New 1,8-Naphthalimide Derivatives with Potential Biological Activity
Marin Marinov, Iliana Kostova, Iliana Nikolova
- FRI-LCR-P-1-CT(R)-09: Synthesis and Antimicrobial Properties of 2-[2-(1,3-Dioxobenz[De]isoquinolin-2-Yl)Ethyl]-6-Ethylsulfanyl-Benzo[De]isoquinoline-1,3-Dione
Marin Marinov, Iliana Nikolova, Iliana Kostova
- FRI-LCR-P-1-CT(R)-10: Synthesis and Phase Composition of MN - Augite Ceramics
Tsvetan Dimitrov, Rositsa Titorenkova, Ognyan Petrov
- FRI-LCR-P-1-CT(R)-11: Studying the Kinetics of Synthesis of Tmp Esters of Oleic Acid with a View of Their Application as Metalworking Fluids
Vasil Kopchev
- FRI-LCR-P-1-CT(R)-12: Lowering the Temperature of Bioglass Synthesis is a Priority Area of Modern Biomedical Engineering
Olena Khomenko, Tsvetan Dimitrov, Oleksandra Makedonskaya, Ivan Honcharuk
- FRI-LCR-P-1-CT(R)-13: Investigation of Properties of Alkaline-Free Glasses for Sintering Dielectric Ceramic Materials
Olersandr Zaichuk, Tsvetan Dimitrov, Oleksandra Amelina, Yurii Hordieiev, Danyil Filonenko
- FRI-LCR-P-1-CT(R)-14: Synthesis of Zinc Stearate from Zinc Oxide and Stearic Acid Using a Combination of Sodium Dodecyl Sulfate as Anionic and Polyvinyl Alcohol as Nonionic Surfactant
Stanislav Bayryamov

Saturday 09 November 2024

09:30 – 11:30

Parallel Poster Sessions: Large Conference Room

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

Biotechnologies and Food Technologies (Room LCR)

Session Chair: Stanka Damyanova

SAT-LCR-P-2-BFT(R)-01:

Composition and Properties of Glyceride Oil from Milk Thistle Seeds Expeller (*Silybum Marianum* L.)

Ira Taneva

SAT-LCR-P-2-BFT(R)-02:

Polyphenolic Composition and Antimicrobial Activity of Seed Extracts of Eight Grape Cultivars

Yavor Ivanov

- SAT-LCR-P-2-BFT(R)-03: Nutritional Value and Application of Physalis Leaves as Feed Additives
Nadezhda Mazova
- SAT-LCR-P-2-BFT(R)-04: Physical and Chemical Indicators of Extracts from Sage (*Salvia Officinalis* L.)
Used in Cosmetics
Silviya Mollova
- SAT-LCR-P-2-BFT(R)-05: Requirements for the Composition and Characteristics of Honey, Offered in
Childcare Establishments
Vanya Prodanova-Stefanova
- SAT-LCR-P-2-BFT(R)-06: Physico-Chemical Parameters and Sensory Evaluation of Fresh and Dried
“Kossara” Cherry Fruits
Maria Dimitrova-Dimova, Pavlina Doykina, Aneta Popova
- SAT-LCR-P-2-BFT(R)-07: Analysis of the Chemical Composition of Commercial Basil Essential Oils by
the Method of Infrared Spectroscopy
**Tzvetan Vasilev, Radoslava Nikolova, Krasimira Dobрева, Albena
Stoyanova**
- SAT-LCR-P-2-BFT(R)-08: Chemical Composition and Biological Activities of Bulgarian Propolis
Iliana Nikolova, Vanya Prodanova-Stefanova
- SAT-LCR-P-2-BFT(R)-09: Investigation of the Influence of Sodium Alginate on Rennet Curdling Activity
and Coagulation Ability
Darina Georgieva, Ivelina Ivanova
- SAT-LCR-P-2-BFT(R)-10: Awareness Evaluation of Theurapeutic Fasting Among Volunteers
Tereza Stoyanova, Georgi Kostadinov, Mihaela Valcheva, Dimitar Stavrev

Sessions Schedule

Програма

63rd Annual Science Conference of Ruse University

2024

63^{ma} Годишна конференция на Русенския университет

2024

Edited by:

Adriana Borodzhieva

Ana Popova

Boris Evstatiev

Daniela Todorova

Deniza Trancheva

Diana Zhelezova-Mindizova

Elitsa Kumanova

Elizar Stanev

Eva Parvanova

Galina Georgieva

Ivanichka Serbezova

Kiril Sirakov

Kremena Rayanova

Milen Ivanov

Miroslava Boneva

Ralica Vasileva-Ivanova

Simeon Iliev

Stefka Mindova

Svetlozar Grigorov

Tsveta Hristova

Tsvetan Dimitrov

Tsvetomir Vasilev

Valentina Vasileva

Velislava Doneva

Veselka Radeva

Yordan Kalmukov

Technical editor:

Yuksel Aliev

Format: B5 Issue: 300

Publishing: “Angel Kanchev” University of Ruse

Print: University of Ruse Publishing Center

Copyrights© <https://conf.uni-ruse.bg>

