

Volume 63 of PROCEEDINGS includes the papers presented at the scientific conference RU & SU'24, organized and conducted by University of Ruse "Angel Kanchev" and the Union of Scientists - Ruse. Series 7.2. contains papers reported in the National Security.

Book	Code	Faculty and Section
Agrarian and Industrial Faculty		
1.1.	FRI-8.303b-1-AMT&ASVM	Agricultural Machinery and Technologies, Agrarian Science and Veterinary Medicine
	FRI-1.202-1-MR	Maintenance and Reliability
	FRI-9.2-1-THPE	Thermal, Hydro- and Pneumatic Equipment
	FRI-19.206-1-EC	Ecology and Conservation
	FRI-16.203-1-ID	Industrial Design
1.2.	THU-SSS-AMT&ASVM	Agricultural Machinery and Technologies, Agrarian Science and Veterinary Medicine
	THU-SSS-MR	Maintenance and Reliability
	THU-SSS-THPE	Thermal, Hydro- and Pneumatic Equipment
	THU-SSS-EC	Ecology and Conservation
	THU-SSS-ID	Industrial Design
Faculty of Mechanical and Manufacturing Engineering		
2.1.	FRI-1.317-1-MEMBT	Mechanical Engineering and Machine-Building Technologies
2.2.	TUE-1.417-SSS-MEMBT	Mechanical Engineering and Machine-Building Technologies
Faculty of Electrical Engineering Electronics and Automation		
3.1.	FRI-10.326-1-EEEE	Electrical Engineering, Electronics and Automation
3.2.	FRI-2G.303-1-CCT1	Communication and Computer Technologies 1
	FRI-2G.302-1-CCT2	Communication and Computer Technologies 2
3.3.	THU-10.326-SSS-EEEE	Electrical Engineering, Electronics and Automation
	THU-2G.303-SSS-CCT	Communication and Computer Technologies
Faculty of Transport		
4.1.	FRI-KC.H2-1-TMS	Transport and Machine Science
	SAT-KC.H2-1-TMS	Transport and Machine Science
4.2.	FRI-20.21-2-SITSTL	Sustainable and Intelligent Transport Systems, Technologies and Logistics
4.3.	MON-5.21-SSS-TMS	Transport and Machine Science
Faculty of Business and Management		
5.1.	FRI-2B.412-1-EM	Economics and Management
5.3.	THU-2G404-SSS-EM	Economics and Management
5.4.	FRI-2G.510-1-ESIS	European Studies and International Security
8.2.	FRI-1.322-1-SW	Social Work
Faculty of Natural Sciences and Education		
6.1.	FRI-1.414-MIP	Mathematics, Informatics and Physics
6.2.	FRI-2G.305-1-PP	Pedagogy and Psychology
6.3.	FRI-2G.309-1-LL	Linguistics and Literature
	FRI-12.23-1-AS	Art Studies
6.4.	FRI-2G.307-1-ERI	Education - Research and Innovations

6.5.	FRI-1.219-SSS-PP	Pedagogy and Psychology
6.6.	FRI-2G.405-SSS-LLA	Linguistics, Literature and Art Science & History, Ethnology and Folklore
6.7.	FRI-2.203-SSS-FM	Financial Mathematics
	FRI-1.407.1-SSS-I	Informatics
Faculty of Law		
7.1.	FRI-2B.313-1-L	Law Studies
	SAT-2B.313-1-L	Law Studies
7.2.	FRI-2B.312-1-NS	National Security
7.3.	WED-2B313-SSS-L	Law Studies
Faculty of Public Health and Health Care		
8.1.	FRI-2K.201-1-HP	Health Promotion
8.3.	FRI-2G.104-1-HC	Health Care
8.4.	FRI-2G.309-1-MCDA	Medical and Clinical Diagnostic Activities
8.5.	THU-K.101-SSS-HP	Health Promotion
	THU-2.101-SSS-HC	Health Care
	THU-2Γ.105-SSS-MCDA	Medical and Clinical Diagnostic Activities
Quality of Education Directorate		
9.1.	FRI-2.104-1-QHE	Quality of Higher Education
Razgrad Branch of the University of Ruse		
10.1.	FRI-LCR-1-CT(R)	Chemical Technologies
	FRI-LCR-P-1-CT(R)	Chemical Technologies (Poster session)
10.2.	FRI-LCR-1-BFT(R)	Biotechnologies and Food Technologies
	SAT-LCR-P-1-BFT(R)	Biotechnologies and Food Technologies (Poster session)
10.3.	TUE-SSS-BFT(R)	Biotechnologies and Food Technologies
	TUE-SSS-CT(R)	Chemical Technologies
Silistra Branch of the University of Ruse		
11.1.	FRI-110-1-MT(S)	Methodology of Training in...
	FRI-229-1-P(S)	Philology
	FRI-216-1-TS(S)	Technical Sciences
11.2.	FRI-239-I-PMT(S)	Methodology of Training in...
	FRI-229-I-H(S)	Humanities
	FRI-216-I-TS(S)	Technical Sciences

The papers have been reviewed.

ISSN 1311-3321 (print)

ISSN 2535-1028 (CD-ROM)

ISSN 2603-4123 (on-line) Copyright © authors

The issue was included in the international ISSN database, available at <https://portal.issn.org/>.

The online edition is registered in the portal ROAD scientific resources online open access



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. Vladimír 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
Hydroaerodynamics 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 Sotirow**
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 Boroii**
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

• **Pedagogy; Psychology and Methodology of training in...; (18.10.24, Silistra)**

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

• **Philology (27.10.23, Silistra)**

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

• **Technical Sciences (27.10.23, 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**
Assoc. Prof. Boris Evstatiev, DSc, bevstatiev@uni-ruse.bg, +359 82 888 371,
Assoc. Prof. Kiril Sirakov, csirakov@uni-ruse.bg, +359 82 888 364
- **Communication and Computer Systems**
Assoc. Prof. Yordan Kalmukov, 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**
Assoc. Prof. Toncho Balbuzanov, PhD
tbalbuzanov@uni-ruse.bg, +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**
Pr. Assist. Prof. Yoana Lukanova, PhD
ylukanova@uni-ruse.bg, +359 885 047 644
- **Law**
Assoc. Prof. Elitsa Kumanova, PhD,
ekumanova@uni-ruse.bg, +359 82 888 434

- **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

- **REVIEWERS**

- **Prof. Dimitar Kostov, PhD**
- **Prof. Plamen Bodganov, PhD**
- **Assoc. Prof. Emanuil Kolarov, PhD**
- **Assoc. Prof. Elitsa Kumanova, PhD**
- **Assoc. Prof. Maria Zheleva, PhD**

NATIONAL SECURITY

Content

1.	FRI-2B.312-1-NS -01 Strategic Vision in the Context of Bulgarian National Security <i>Milen Ivanov</i>	12
2.	FRI-2B.312-1-NS -02 The State and Prospects of Personnel Provisioning in Bulgaria's Security Services <i>Milen Ivanov</i>	21
3.	FRI-2B.312-1-NS -03 The Concept of "Conflict of Norms" in International Law <i>Kremena Rayanova</i>	31
4.	FRI-2B.312-1-NS -04 Legal Protection of Children during Armed Conflict <i>Kremena Rayanova</i>	35
5.	FRI-2B.312-1-NS -05 Grounds and Prerequisites for the Appointment of Forensic Examination in Criminal Proceedings <i>Nevena Ruseva</i>	38
6.	FRI-2B.312-1-NS -06 Control over the Implementation of the issued Permits for Activities with Firearms and Ammunition for them <i>Plamen Parvanov Penchev</i>	44
7.	FRI-2B.312-1-NS -07 Legal Administration Regarding Distance Learning in the Field of National Security <i>Danail Kumanov</i>	50
8.	FRI-2B.312-1-NS -08 Mechanisms of simulative behavior in serious criminal offenders <i>SilviaKrushkova</i>	51
9.	FRI-2B.312-1-NS -09 The Voice of the European Citizens about the Risks for the European Security: the Case with Bulgaria <i>Krassimir Koev</i>	56
10.	FRI-2B.312-1-NS -10 The State Defense Policy of the Republic of Bulgaria <i>Valeria Gornyachka-Georgieva</i>	62