



INTERNATIONAL SCIENTIFIC
AND TECHNICAL CONFERENCE

**ENGINEERING.
TECHNOLOGIES. EDUCATION.
SECURITY**
VELIKO TARNOVO
27-28 June

PROGRAM

ORGANIZERS

SCIENTIFIC -TECHNICAL UNION OF MECHANICAL ENGINEERING
VASIL LEVSKI NATIONAL MILITARY UNIVERSITY

CO-ORGANIZERS

Ministry of Defence
Ministry of Interior
Federation of the Scientific Engineering Unions
G.S. Rakovski Military Academy
Police Academy
Technical University - Gabrovo
Rousse University – Angel Kanchev – Rousse
Todor Kableshkov Higher School of Transport
University of Veliko Tarnovo
University of Shumen
Territorial Organization of the Scientific and Technical Unions – Veliko Tarnovo
Union of the Polish Mechanical Engineers – Poland



Scientific-Technical Union of Mechanical Engineering

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TIME SCHEDULE

27.06.2013-Thursday

I. REGISTRATION	08.00-10.00	THE FOYER OF THE HOUSE OF CULTURE NMU „Vasil Levski“
II. SCIENTIFIC PROGRAM	10.00-10.15	HOUSE OF CULTURE NMU „Vasil Levski“
II.1. OPENING OF THE CONFERENCE		
II.2. PLENAR SESSION	10.15-12.00	HOUSE OF CULTURE NMU „Vasil Levski“
II.3. LUNCH BREAK	12.00-13.00	
III. SECTION SESSIONS	13.00	
III.1 SECTION „TECHNIC.TECHNOLOGY“ – First session	13.00 : 15.00	HALL 1116
III.2 COFFEE BREAK	15.30-16.00	
III.3 SECTION „TECHNIC.TECHNOLOGY“ – Second session	16.00- 17.30	HALL 1116
IV.4 SECTION 2. Social, Economic and Legal Sciences	13.00 : 15.00	HALL 1216
IV. POSTER SESSION	10.00- 18.30	HALL 1116
V. CLOSING THE CONFERENCE Closing Cocktail Party	19.00- 23.00	RESTAURANT „Yantra“

SCIENTIFIC PROGRAM

27.06.2013

10.00 : 10.15 OPENING OF THE CONFERENCE

ENGINEERING. TECHNOLOGIES. EDUCATION. SECURITY

- HOUSE OF CULTURE NMU „Vasil Levski“

PLENAR SESSION - HOUSE OF CULTURE NMU

10.15 : 12.00

PL-1. OPTICAL METHODS AND MEANS FOR DISCOVERY AND RESEARCH OF OBJECTS AND ATMOSPHERIC MONITORING FROM THE BOARD OF SPACECRAFT

Acad. Prof. DSc Zhivko Zkekov

BG 037

PL-2. Classification of irregularities, arising in the performance management processes, control and spending of EU funds and programs.

Assoc. Prof. D.E. Eng. Kiril Angelov

BG 039

PL-3. Opportunities for applying for grants in the sphere of education through European funds

Lilov, I. N.

BG 038

- **PRESENTATION „VMZ“ Co. - Sopot**

- **PRESENTATION „Arcus“ Co. - Lyaskovets**

- **PRESENTATION „Optix“ Co. – Panagyurishte**

SECTION 1. TECHNIC.TECHNOLOGY – HALL 1116

1.FIRST SESSION – 13.00 : 15.00

S 4. FAILURE PREDICTION IN SHEET METAL FORMING USING FEA OF NAKAZIMA TEST

Prof. M.Sc. Maier C. PhD

RO 009

S 5. DIESEL-WATER EMULSION, AN ALTERNATIVE FUEL TO REDUCE DIESEL ENGINE EMISSIONS. A REVIEW

Prof. Dr. Eng. Dan Scarpete

RO 011

S 6. PROOF OF THE CONVERGENCE THEOREM FOR THE POWERS OF THE STOCHASTIC MATRICES UNDER THE DETAILED BALANCE CONDITION

Assoc.Prof.Tsvetkov D.PhD., Assist.Prof. Angelova-Slavova R., Assist.Prof.Hristov L. PhD.
BG 016

S 7. NON – PARAMETRICAL APPROACH FOR OPTIMISATION OF THE ROUGHNESS OF THE PRODUCTS' SURFACES IN THE MECHANICAL ENGINEERING
Dipl. eng. Leonov D., PhD Ivanov A. **RU/BG 033**

S 8. TECHNOLOGICAL CHARACTERISTICS OF RADIATION ABSORBING MATERIALS
M.Sc. Peneva P. PhD. **BG 036**

S 9. RISK OPTIMIZATION OF DANGEROUS GOODS TRANSPORTATION IN POPULATED AREAS
Assist.Prof. Eng. Minevski I.N. **BG 021**

S 10. SIMULATION MODEL OF THE RISK OF FUEL TRANSPORTATION IN POPULATED AREAS
Assist.Prof. Ivan Minevski, Assoc.Prof.Dr. Stefanov S., Assist.Prof.Yotkov T. **BG 022**

DISCUSSION

COFFEE BREAK

15.00 : 15.30

SECOND SESSION– HALL 1116

15.30 : 17:30

S 11. CONTEMPORARY TRENDS IN THE MODERNIZATION OF ARMAMENT OF THE INFANTRY FIGHTING VEHICLES AND ARMING THE TRANSPORT VEHICLES OF THE LAND FORCES IN THE LIGHT OF THEIR USAGE IN PEACE KEEPING MISSIONS ABROAD AND THE MODERNIZATION TOWARDS MANEUVER BATTALION COMBAT GROUPS
Georgi Bankov, MSc.Ec., Ivo Balevski, PhD, MSc.Eng. **BG 041**

S 12. EVALUATION AND DEVELOPMENT DEVICE KITS OF THE MCP602X SERIES MICROCHIPS IN PRACTICAL COURSES IN ELECTRONICS
Senior Assist. Prof. Stefanova T. PhD. **BG 030**

S 13. EDUCATION AS A BASIS FOR THE DEVELOPMENT OF MODERN SAFETY CULTURE
M.Sc. Madanski V. PhD **BG 020**

S 14. NEURAL NETWORK FOR FONT STYLE LETTER SYMBOL RECOGNITION IN ADDITIVE NOISE ENVIRONMENT
Ass. Prof. PhD Minchev C., Ass. M.Sc. Slavyanov K. **BG 024**

S 15. SIMULATION MODEL OF LOGISTIC SERVICES POLICIES
Assoc. Prof. Banabakova V. K, Ph.D, Assoc. Prof. Stefanov S. E. Ph.D **BG 025**

S 16. BASIC TASKS AND THE OPERATIONAL MANAGEMENT OF DISTRIBUTION. CONTROL OF DISTRIBUTION.
Hristo Ivanov Totev **BG 008**

S 17. DISTRIBUTION OF NATURE AND ROLE IN ECONOMIC LIFE. MAIN TASKS TO OPERATIONAL MANAGEMENT OF DISTRIBUTION. DISTRIBUTION OF CONTROL.
Hristo Ivanov Totev **BG 019**

S 18. NEXT GENERATION NETWORKS FIXED MOBILE CONVERGENCE INTEGRATION FEATURES
Assoc. Prof. Fetfov O. M. PhD¹, M.Sc. Nikolov L. G. **BG 023**

DISCUSSION

POSTER SESSION – 10.00 : 18.00

- P 1.** INTERACTION OF COMPOSITE BRAZING ALLOY Sn-Cu-Co-W WITH DIAMOND AT BRAZING OF DIAMOND ABRASIVE TOOLS
Cand. sci., associate professor Sokolov E.G.; dr. sci., professor Artemyev V.P. RU 001
- P 2.** IT AND USING OF THE SOFTWARE TOOLS FOR THE COPPER KINETIC FLOTATION MODELLING
A. Krstev, B. Krstev, Z. Zdravev, D. Krstev, Z. Gocev, J. Zivanovik MK 002
- P 3.** USING APPLICATIVE SOFTWARE AND SOFTWARE TOOLS FOR THE PERFORMANCE OF LEACHING AND BIO-LEACHING
B. Krstev, A. Krstev, Z. Zdravev, Z. Gocev, D. Krstev, J. Zivanovik MK 004
- P 4.** THE EFFICIENCIES AND SELECTIVITY INDEXES – THE POSSIBILITY OF LEAD PRESENTATION AND APPLICATION OF USEFUL PROGRAMMES
D. Krstev, A. Krstev, B. Krstev, Z. Gocev, J. Zivanovik, V. Jovanovski MK 005
- P 5.** CONTRIBUTION OF THE EDUCATION TECHNOLOGY TO DEVELOPMENT COMPETENCE FOR PROFESIONALE DIDACTICE IN ROMANIAN SCHOOLS
Carmen Alexandrache assistant Student PhD. RO 014
- P 6.** NEURAL NETWORK MODEL FOR ASSESSMENT COMPUTER-BASED TEST
Assistant Dr. Petar Halachev BG 015
- P 7.** SURROUND CONSTRUCTIONS WITH POLYMERS
M.Sc. Stoyanov A., Assoc. Prof. Colov C. PhD BG 028
- P 8.** TIGHT-BINDING PARAMETERS FOR STARK EFFECT CALCULATION IN SOME QUANTUM WELLS
Assoc. Prof. Miteva A. M. BG 035
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SECTION 2. SOCIAL, ECONOMIC AND LEGAL SCIENCES – HALL 1216

- S 19.** PROFESSIONAL IDENTITY OF THE PERSON AND SYMBOLIC CONSCIOUSNESS
Assos. prof. eng. Nelly Koleva BG 018
- S 20.** FINANCING STATE MANDATES OF DISASTERS AND ACCIDENTS ON MUNICIPALITY OF VELIKO TARNOVO
Prof. Dr. Dimitrova S., Dr. Yordanova D., BG 029
- S 21.** FINANCING STATE MANDATES OF DISASTERS AND ACCIDENTS ON MUNICIPALITY OF VELIKO TARNOVO
Prof. Dr. Dimitrova S., Dr. Yordanova D., BG 029
- S 22.** The concept of **TV PANEUROPE+** or the missing face of the European Union
Professor Slavinski A.; Assoc. prof. Draganov I. PhD BG 034
- S 23.** Methods of developing psychological resilience in the military
Postolache A. M., PhD Atanasova-Krasteva N. RO/BG 040
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SOCIAL PROGRAM

CLOSING COCKTAIL PARTY

19.00 : 23.00 – Hotel Yantra