

XIVTH INTERNATIONAL CONGRESS

MACHINES.TECHNOLOGIES.MATERIALS'17

WINTER SESSION



PROGRAM

ORGANIZER:

**SCIENTIFIC-TECHNICAL UNION OF MECHANICAL
ENGINEERING**



*15.03 – 18.03. 2017
BOROVETZ, BULGARIA*

PROGRAM

13.03.2017 (MONDAY)

16:00 – 20:00	REGISTRATION	IN FRONT OF CONFERENCE HALL №1
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14.03.2017 (TUESDAY)

08:00 – 17:00	REGISTRATION	IN FRONT OF CONFERENCE HALL №1
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15.03.2017 (WEDNESDAY)

14:00 – 20:00	REGISTRATION	IN FRONT OF CONFERENCE HALL №1
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16.03.2017 (THURSDAY)

08:00 – 10:00	REGISTRATION	IN FRONT OF CONFERENCE HALL №1
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CONFERENCE HALL №1

10:00 – 10:15	OPENING OF THE CONGRESS
10:15 – 12:30	PLENARY SESSION

12:30 – 12:45	COLLECTIVE PICTURES OF PARTICIPANTS	FRONT HOTEL "ELA"
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12:45 – 14:00	LUNCH	THE RESTAURANT AT HOTEL "ELA"
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	CONFERENCE HALL №1	CONFERENCE HALL №2
14:00 – 16:00	SECTION "MACHINES"	SECTION "TECHNOLOGIES"
16:00 – 16:30	COFFEE BREAK - LOBBY BAR	
16:30 – 18:30	SECTION "MATERIALS"	

	CONFERENCE HALL №1	CONFERENCE HALL №2
08:00 – 18:30	POSTER SESSION	POSTER SESSION

19:00 – 24:00	"WELCOME" COCKTAIL - THE RESTAURANT AT HOTEL "ELA"
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17.03.2017 (FRIDAY)

	CONFERENCE HALL №1	CONFERENCE HALL №2
08:00 – 12:00	POSTER SESSION	POSTER SESSION
10:00	CLOSING OF THE CONGRESS WINE AND CHEESE PARTY	THE RESTAURANT AT HOTEL "ELA"

*time for presentation 10-12 minutes,
questions after each presentation*

SCIENTIFIC PROGRAM

16.03.2017 10:00 – 10:15	OPENING OF THE CONGRESS	CONFERENCE HALL 1
	CHAIRMAN: <i>PROF.D.SC G. POPOV</i>	

16.03.2017 10:15 – 12:30	PLENARY SESSION	CONFERENCE HALL 1
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CHAIR: ASSOC.PROF. TSANKA DIKOVA (BG)

1	FUTURE OF MACHINE-TOOL BUILDING — CORE OF ENGINEERING TECHNOLOGY	Yu.N. Kuznetsov Doctor of Sciences, Professor of Machine Tools and Systems Department of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	68	UA
2	THE INVESTIGATION OF HIDRODANAMIC PROCESSES IN TNE VOLUME OF FOUNDRY LADLES WITH FILTER BUFFLE	Prof. Dr. O. Isayev, Prof. dr. O. Hress, Post grad. St. C.Y.Hu, Prof. Dr. K.M. Wu International Research Institute for Steel Technology, Wuhan University of Science and Technology, Wuhan 430081, China	51	CN
3	ENHANCED MECHANICAL AND SERVICE PROPERTIES OF ULTRAFINE-GRAINED COPPER-BASED ALLOYS WITH CR, ZR, AND HF ADDITIVES	Prof., Dr.Sci. Dobatkin S.V. ^{1,2} , Shangina D.V. ^{1,2} , Dr. Bochvar N.R. ¹ , Prof., Dr.Sci. Terent'ev V.F. ¹ , Dr. Prosvirnin D.V. ¹ , Dr. Putinceva M.N. ³ , Prof., Dr. Purcek G. ⁴ , Yanar H. ⁴ , Prof., Dr. Al saran A. ⁵ , Dr.Sci. Raab G.I. ⁶ ¹ A.A.Baikov Institute of Metallurgy and Materials Science of RAS, Moscow, Russia ² National University of Science and Technology "MISIS", Moscow, Russia ³ Kursk State University, Kursk, Russia ⁴ Karadeniz Technical University, Turkey ⁵ Anadolu University, Turkey ⁶ Ufa State Aviation Technical University, Ufa, Russia	60	RU/ TR
4	OPTIMIZATION OF GEOMETRIC PARAMETERS OF HARD METAL MICRO DRILLS TO INCREASE TOOL LIFE AND PERFORMANCE OF DRILLING PACKAGE OF PRINTED CIRCUIT BOARDS, DETAILS AND THE UNITS OF MECHATRONIC SYSTEM	Prof. D.Sc.Turmanidze R., Master Popkhadze G. Georgian Technical University Georgia	73	GE

*time for presentation 10-12 minutes,
questions after each presentation*

5	ANALYTIC MODEL OF NON AXISSYMMETRIC DRAWING	Doctor of science engineering, professor Nazaryan E.A., PhD physics and mathematics science, assistant professor Arakelyan M.M, PhD student Simonyan A.S. – Yerevan State University, Armenia	65	AM
6	INVESTIGATION PROPERTIES OF EXPLOSIVE WELDED JOINTS BETWEEN STRUCTURAL STEEL AND HIGH ALLOYED MATERIALS	Prof. Dr Cvetkovski. S. PhD. Faculty of Technology and Metallurgy – Ss. Cyril and Methodius University, Skopje Republic of Macedonia	70	MK
7	MAXIMIZING THE VOLUME OF THREE-DIMENSIONAL BODIES ON THE BASIS OF SUBMETRIC TRANSFORMATION AND THE APPLICATION OF THIS APPROACH TO SOLVING ENGINEERING PROBLEMS	A.P. Afanasyev ¹²³⁴ , E.V. Putilina ¹ , I.I. Kurochkin ¹ , O.V. Sukhoroslov ¹ ¹ Institute for Information Transmission Problems of Russian Academy of Sciences, Moscow, Russia ² Higher School of Economics National Research University, Moscow, Russia ³ Moscow State University, Moscow, Russia ⁴ National University of Science and Technology “MISIS”, Moscow, Russia	40	RU
8	VARIOUS TECHNIQUES IN SOFTWARE APPLICATIONS FOR 3D VISUALIZATION AND EVALUATION OF BIOISOSTERIC MOLECULES	Desislava Y. Ivanova Institute of Information and Communication Technologies Bulgarian Academy of Sciences	50	BG

12:30– 12:45	COLLECTIVE PICTURES OF PARTICIPANTS	FRONT HOTEL “ELA”
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12:45– 14:00	LUNCH	THE RESTAURANT AT HOTEL "ELA"
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16.03.2017 14:00 – 16:00	SECTION “MACHINES”	CONFERENCE HALL 1		
CHAIRMAN: PROF. DR CVETKOVSKI. S. (MK)		CO-CHAIRMAN: PROF. D.SC. KUZNETSOV, YU.N. (UA)		
9	ADAPTIVE CONTROL OF NONLINEAR TWO DIMENSIONAL AIRFOIL MODEL	Boğaç Bilgiç Department of Mechanical Engineering, Engineering Faculty – Istanbul University, Turkey	27	TR
10	BALANCE CONTROL OF SEGWAY ROBOTS USING ADAPTIVE-ROBUST CONTROLLER	Prof. M.Sc. Burkan R. PhD., M.Sc. Özgüney Ö.C. Istanbul University, Turkey	28	TR
11	EULER BERNOULLI THEORY FOR A 3-DIMENSIONAL,VARIABLE-CURVETURE BEAM	L.Emir SAKMAN , Aşkın MUTLU Faculty of Engineering, Istanbul University, Turkey	39	TR
12	VIRTUAL MODELING AND SIMULATION OF A CYLINDER BUNDLE VERTICAL AND ROTATIONAL DROP	Ass. Prof. Aleksandar Kostikj PhD, Prof. Milan Kjosevski PhD Faculty of Mechanical Engineering, Ss. Cyril and Methodius University in Skopje, Republic of Macedonia	35	MK
13	FUZZY PROPORTIONAL DERIVATIVE APPROACH FOR VIBRATION CONTROL OF VEHICLE	Asst. Prof. Taskin Y. PhD. Istanbul University, Turkey	64	TR

*time for presentation 10-12 minutes,
questions after each presentation*

14	INNOVATIVE RELATIVE WEAR OF LIFTERS	Stoimenov N. Institute of Information and Communication Technologies Bulgarian Academy of Sciences	55	BG
15	COMPARISON OF NUMERICAL AND EXPERIMENTAL RESULTS OF STRESS-DEFORMATION STATE IN A PIPELINE BRANCH	Prof. dr Bajić D. PhD, M.Sc. Ćulafić S. Faculty of Mechanical Engineering – University of Montenegro	33	ME
16	INFLUENCE OF TEMPERATURE ON DIELECTRIC BREAKDOWN OF WORKING FLUID VAPOR IN HEAT PIPE	M.Sc. Nemeč P. PhD., Prof. RNDr. Malcho M. PhD., M. Sc. Palacka M. Faculty of Mechanical Engineering – University of Zilina	47	SK
17	INFLUENCE OF THE SOIL PARTICLES ON THE WEAR OF PLOUGHSHARES DURING PLOUGHING	Opačak I., mag.ing.mech., Putnik I., mag.ing.mech., Samardžić M. Faculty of Mechanical Engineering, University of Osijek, Croatia	59	HR

16:00 – 16:30	COFFEE BREAK - LOBBY BAR
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16.03.2017 16:30 – 18:30	SECTION "MATERIALS"	CONFERENCE HALL 1		
CHAIRMAN: PROF. D.SC. DOBATKIN S. (RU)		CO-CHAIR: PROF. DR. O. ISAYEV (CN)		
18	COMBINED AND CONSECUTIVE SPD PROCESSING TECHNIQUES	G.I. Raab, Dr.Sci, A.G. Raab, R.N. Asfandiyarov, E.I. Fakhretdinova Ufa State Aviation Technical University	61	RU
19	THE USE OF STRUCTURAL ENGINEERING FOR OBTAINING SUPERHARD COATINGS BASED OF NITRIDES TRANSITION METALS	Assoc. Prof. D. Sc. Bochulia T.V., Prof. D. Sc. Sobol O.V. Kharkiv State University of Food Technology and Trade, National Technical University «Kharkiv Polytechnic Institute»	06	UA
20	MECHANICAL CHARACTERIZATION OF RECYCLED POLYPROPYLENE AND COPOLYMER MACRO FIBERS IN CONCRETE	Mehmet Alpaslan KÖROĞLU Necmettin Erbakan University, Engineering & Architectural Faculty, Konya, TURKEY	48	TR
21	SiC(p) REINFORCED ALUMINUM MATRIX COMPOSITES OBTAINED BY HOT PRESSING AND THEIR MECHANICAL PROPERTIES	Aynur Kazaz, H. Erdem Çamurlu, M. Ayşe Dere, K. Egemen Kuyucu Akdeniz University, Turkey	41	TR
22	DRY SLIDING WEAR PROPERTIES OF Al(4%Cu) - SiC COMPOSITES WITHOUT AGE HARDENING	A. Kazaz, H. Erdem Çamurlu, M. Ayşe Dere Akdeniz University, Turkey	45	TR
23	TRIBOLOGICAL STUDY OF COPPER ALLOY-BASED COMPOSITES REINFORCED WITH WC-W POWDERS PREPARED BY THE SPONTANEOUS INFILTRATION PROCESS OF THE LOOSE POWDER	DAOUD ¹ . Prof. MIROUD D ¹ . Ph. D. YAMANOGLU R ² . ¹ Laboratory of Science and Materials Engineering, University of Sciences and Technology HOUARI BOUMEDIENE, Algeria. ² Department of Metallurgical and	31	DZ/ TR

*time for presentation 10-12 minutes,
questions after each presentation*

		Materials Engineering, Kocaeli University, Turkey.		
24	EXPERIMENTAL STUDY OF THE PROCESS OF COMPACTING IRON POWDER. ANALYSIS OF THE RESULTS OBTAINED WITH 3D TOMOGRAPHY	Stanislav Gyoshev, Desislava Ivanova Institute of Information and Communication Technologies Bulgarian Academy of Sciences	52	BG

19:00 – 24:00	“WELCOME” COCKTAIL	THE RESTAURANT AT HOTEL "ELA"
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16.03.2017 14:00 – 16:00	SECTION “TECHNOLOGIES”	CONFERENCE HALL 2
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CHAIRMAN: PROF. D.SC. NAZARYAN E.A. (AM)		CO-CHAIRMAN: PROF. D.SC. TURMANIDZE R. (GE)		
25	THE FORMATION OF THE NEAR EAST TRANS-Tailor CORRIDOR	Zh.M. Kuanysbbaev, M.I. Arpabekov Doctor of Engineering Sciences, Professor L.N. Gumilyov Eurasian National University (Astana), Republic of Kazakhstan	10	KZ
26	RISKS AND SAFETY ISSUES RELATED TO USE OF ELECTRIC AND HYBRID VEHICLES	TA Stevan Kjosevski MSc ¹ , Ass. Prof. Aleksandar Kostikj PhD ² , Prof. Atanas Kochov PhD ² University Mother Teresa in Skopje, Republic of Macedonia ¹ Faculty of Mechanical Engineering, Ss. Cyril and Methodius University in Skopje, Republic of Macedonia ²	36	MK
27	AN ENTREPRENEURSHIP IN BULGARIA – POSSIBLE OR NOT FOR YOUNG PEOPLE	Chief assist. Prof. Mina Angelova PhD. University of Plovdiv Paisii Hilendarski, Bulgaria	11	BG
28	POTENTIAL INVESTORS FOR THE INNOVATION-CENTRIC SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENTS	Топ-менеджер Ускова И., Менеджер Чекунова-Томашева Н. - НИТУ МИСиС, Москва, Россия	62	RU

15:30 – 16:00	COFFEE BREAK - LOBBY BAR
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19:00 – 24:00	“WELCOME” COCKTAIL	THE RESTAURANT AT HOTEL "ELA"
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*time for presentation 10-12 minutes,
questions after each presentation*

POSTER SESSION

THURSDAY (16.03)	08:00 – 18:00	POSTER SESSION “MACHINES”	CONFERENCE HALL 1		
FRIDAY (17.03)	08:00 – 12:00				
29	GEAR TRANSMISSION WITH VARIABLE GEAR RATIO	ас. инж. Георгиев И. Technical University of Gabrovo,	07	BG	
30	CONSTRUCTIVE AND KINEMATIC FEATURES FOR PLANETARY VARIABLE GEAR DRIVE	ас. инж. Георгиев И. Technical University of Gabrovo,	08	BG	
31	MINIATURE DEVICE FOR ENERGY CONVERSION – BASIC BUILDING ELEMENTS IN MECHATRONICS	Assoc. Prof. Abadjieva E. PhD. ^{1,2} , Prof. Naganawa A. PhD. ¹ , Prof. Abadjiev V. PhD., D.Sc. ² Graduate School of Engineering Science, Faculty of Engineering Science, Akita University, Japan ¹ Institute of Mechanics, Bulgarian Academy of Sciences, Bulgaria ²	15	JP/BG	
32	MODERNIZATION OF THE DISCHARGING DEVICE RUNNERS WET MILLING TO IMPROVE THE EFFICIENCY WORK	Казак Ирина Александровна, к.п.н. Инженерно-химический факультет – Национальный технический университет Украины «Киевский политехнический институт имени Игоря Сикорского», Украина	17	UA	
33	ESTIMATION OF ULTIMATE LOADS FOR CLIP CONNECTION WITH PARTIAL SWEEP OF SHAFT	Ass. Prof. PhD Ropyak L. ¹ , Prof. DSc Shatskyi I. ² , Ass. Prof. PhD Velychkovych A. ¹ Ivano-Frankivsk National Technical University of Oil and Gas ¹ , Ukraine, Ivano-Frankivsk branch of Pidstryhach Institute for Applied Problems of Mechanics and Mathematics, NAS of Ukraine ² , Ukraine	30	UA	
34	INVESTIGATION OF HEAT PIPE'S PERFORMANCE PARAMETERS DEPENDING ON DIFFERENT CONDITIONS	Radovan Nosek ¹ , Jan Siazik ¹ , Michal Holubcik ¹ , Jozef Jandacka ¹ Department of Power Engineering, Faculty of Mechanical Engineering, University of Zilina ¹	44	SK	
35	ABOUT THE SAFE OPERATION OF LIFTS	Assoc.Prof. Dr. Krasimir Krastanov Faculty of Machinery and Construction Technologies in Transport –Todor Kableshkov University of Transport	57	BG	
36	VIBRATION CHARACTERISTICS OF QUARTER CAR SEMI-ACTIVE SUSPENSION MODEL - NUMERICAL SIMULATIONS AND INDOOR TESTING	Assist. Prof. Eng. Pavlov N. PhD., Eng. Sokolov E. PhD Faculty of Transport, Technical University of Sofia	69	BG	

*time for presentation 10-12 minutes,
questions after each presentation*

37	EXPERIMENTAL STUDY TO THE MACHINE FOR DRESSING OF WATER HOLDING MATERIALS INTO THE SOIL	Mitev. G.V., Kr. Bratoev "Angel Kanchev" University of Ruse	74	BG
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THURSDAY (16.03)	08:00 – 18:00	POSTER SESSION "TECHNOLOGY"	CONFERENCE HALL 2	
FRIDAY (17.03)	08:00 – 12:00			
38	KINETIC DIAGRAMS OF FATIGUE DAMAGE IN FRACTURE MESOMECHANICS	MSc.Eng.GeorgyDobrev ¹ ,Ass.Prof,P hD.AlexanderPopov ² ¹ Institute of Metal Science - BAS, Sofia, Bulgaria, ² Institute of Mechanics - BAS, Sofia, Bulgaria	5	BG
39	THE RESEARCH OF NEW TECHNOLOGY OF PLATE ROLLING BY MEANS OF COMPUTER SIMULATION	Prof., d.t.s. Naizabekov A. B. ¹ , c.t.s. Lezhnev S. N. ¹ , PhD student Panin E. A. ² , master student Krupenkin I.I. ³ ¹ Rudny Industrial Institute, Rudny, Kazakhstan ² University of Chemical Technology and Metallurgy, Sofia, Bulgaria ³ Karaganda State Industrial University, Temirtau, Kazakhstan	9	KZ/BG
40	SURFACE PLASMON RESONANCE - A PROMISING METHOD FOR ESTIMATING THE QUALITY OF MOTOR OIL	Prof. Doc.Sc. Maslov V. PhD. ¹ , M.Sc. Dorozinsky G. PhD. ¹ , M.Sc. Khristosenko R. PhD. ¹ , M.Sc. Samoylov A. PhD. ¹ , M.Sc. Dorozinska G. PhD-student. ² , B. Sc. Konchenko A. ² , Lashkaryov Institute of Semiconductor Physics, NAS of Ukraine, Kyiv, Ukraine ¹ National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, Ukraine ²	12	UA
41	MECHANICAL PROPERTIES AND EDDY CURRENTS IN 20CrMo5 LOW –TEMPERATURE TEMPERING OF VARIOUS DURATIONS	Ivanov J.St., MSc "M+S Hydraulic"AD, Kazanlak, Bulgaria	13	BG
42	A METHOD OF HEAT TREATMENT CONTROL THROUGH EDDY CURRENT TESTING AND DOE	Ivanov J.St., MSc "M+S Hydraulic"AD, Kazanlak, Bulgaria	14	BG
43	STANDARDIZATION AS A TOOL FOR PROCESS IMPROVEMENT	Assoc. Prof. Mihova T. PhD ¹ , Assoc.Prof. eng. Nikolova-Alexieva V. PhD ² , Faculty of Mechanical Engineering - Technical University-Plovdiv branch, Bulgaria ¹ Faculty of Economics – University	19	BG

*time for presentation 10-12 minutes,
questions after each presentation*

		of Food Technology-Plovdiv, Bulgaria ²		
44	RESEARCH THE POSSIBILITIES OF THE METHOD FOR DETERMINING THE TOLERANCES IN GEOMETRIC PRECISION OF MACHINING CENTER	Assist. Dimitrov D. PhD. ¹ , M.Sc. Karachorova V. ¹ , Assoc.Prof. Nenov G. PhD ¹ Faculty of Mechanical and Manufacturing Engineering – University of Ruse	20	BG
45	RESEARCH THE ACCURACY OF THE GROUP APPROACH FOR RAPID DETERMINATION COST OF THE MACHINING PRODUCT	Assist. Dimitrov D. PhD. ¹ , M.Sc. Malchev N. ² , M.Sc. Karachorova V. ¹ Faculty of Mechanical and Manufacturing Engineering – University of Ruse “Angel Kanchev”, the Republic Bulgaria ¹ SPARKY GROUP - Ruse Company, Inc., the Republic Bulgaria ²	21	BG
46	METHOD FOR TECHNOLOGY PROCESS CONTROL OF ALIGNMENT TO MACHINING CENTER WITH TWO SPINDLES	Assist. Dimitrov D. PhD. ¹ , M.Sc. Georgiev I. ² , M.Sc. Karachorova V. ¹ Faculty of Mechanical and Manufacturing Engineering – University of Ruse “Angel Kanchev”, the Republic Bulgaria ¹ SPARKY GROUP - Ruse Company, Inc., the Republic Bulgaria ²	22	BG
47	BIOLEACHING OF COPPER SLAGS BY MEANS OF DIFFERENT MICROBIAL CULTURES”	Irena Spasova, Stoyan Groudev, Plamen Georgiev, Marina Nicolova, Albena Lazarova University of Mining and Geology, Sofia	24	BG
48	HORIZONTAL AND VERTICAL RHYTHM OF TEXT IN WEB TYPOGRAPHY	ас. д-р Илиев, И. Технически университет – Варна,	25	BG
49	АЛГОРИТЪМ И ПОСТПРОЦЕСОР ЗА ОБРАБОТВАНЕ НА РЕЗБИ С ГОЛЯМА ВИСОЧИНА НА ПРОФИЛА В CAD/CAM СРЕДА – ЧАСТ 1	Проф. д-р инж. Хаджийски П. Гл. ас. д-р инж. Калдъшев Цв. Технически университет - София	26	BG
50	INTERACTION: PRODUCT FORM - CONSUMER	гл. ас. д-р Кремена Маркова Технически университет – Вар	38	BG
51	АЛГОРИТЪМ И ПОСТПРОЦЕСОР ЗА ОБРАБОТВАНЕ НА РЕЗБИ С ГОЛЯМА ВИСОЧИНА НА ПРОФИЛА В CAD/CAM СРЕДА – ЧАСТ 2	Гл. ас. д-р инж. Калдъшев Цв. Технически университет – София	53	BG
52	SELECTING THE OPTIMUM VARIANT OF THE SHEAR DRAWING PROCESS FOR LOW-CARBON STEEL	Prof., D. Sc. Tontchev N. ¹ , Lead. Res., Dr. Semenov V.I. ^{2,3} , Jun. Res. Raab A.G. ² , Assoc. Prof. Kamburov V. ⁴ ¹ «Todor Kableshtov» Higher School of Transport, Sofia, Bulgaria ² Ufa State Aviation Technical University, Ufa, Russia ³ Institute of Oil and Gas Technologies and Novel Materials, Ufa, Russia ⁴ Technical University of Sofia, Bulgaria	54	BG/RU
53	GEOMETRY AND SURFACE ROUGHNESS OF POLYMERIC SAMPLES PRODUCED BY	Assoc. Prof. Tsanka Dikova ¹ , Asist. Prof. Dzhendo Dzhendov ¹ , Chief	58	BG

*time for presentation 10-12 minutes,
questions after each presentation*

	STEREOLITHOGRAPHY	Asist. Prof. Iveta Katreva ¹ , Diana Pavlova ² , Prof. Tsvetan Tonchev ¹ , Chief Asist. Prof. Maya Doychinova ¹ ¹ Faculty of Dental Medicine, Medical University of Varna, 55 Marin Drinov Str, 9000 Varna, Bulgaria ² Medical College, Medical University of Varna, 55 Marin Drinov Str, 9000 Varna, Bulgaria		
54	METHOD OF PREPARATION OF BLEND FOR ALUMINIUM MATRIX COMPOSITES BY HIGH VOLTAGE ELECTRIC DISCHARGE	d.t.s. prof. Syzonenko O. ¹ , d.t.s. prof. Sheregii E. ² , d.t.s. prof. Prokhorenko S. ² , j.r. Torpakov A. ¹ , j.r. Lypian Ye. V. ¹ , ¹ Institute of Pulse Processes and Technologies of NAS of Ukraine – Mykolaiv, Ukraine, E-mail: sizonenko43@rambler.ru ² Center for Microelectronics and Nanotechnology University of Rzeszów, Poland, E-mail: sProkhorenko@ur.edu.pl	72	UA/PL
55	THE CONDITIONS OF TRANSFORMATION OF RESEARCH RESULTS INTO THE REAL SECTOR OF THE ECONOMY	Менеджер Чекунова-Томашева Н., Топ-менеджер Ускова И. НИТУ МИСиС, Москва, Россия	63	RU

THURSDAY (16.03)		08:00 – 18:00	POSTER SESSION “MATERIALS”	CONFERENCE HALL 1	
FRIDAY (17.03)		08:00 – 12:00			
56	RECEIVING ELECTROLYTIC NICKEL-CONTAINING POWDERS OF THE PREDICTED STRUCTURE AT ANODE DISSOLUTION OF SECONDARY HEAT RESISTING ALLOYS	Baikonurov E.G. ¹ , MS, doctoral candidate of PhD, Chernyshova O.V. ² , Candidate of Technical Sciences, Ussoltseva G.A. ¹ , Candidate of Technical Sciences, Akpanbayev R.S. ¹ , PhD, 1 Kazakh national research technical university named K.I. Satpayev, Kazakhstan, Almaty 2 Moscow technological university, Russia, Moscow	23	KZ/RU	
57	INFLUENCE OF THE TYPE OF IRON POWDER ON THE TENSILE STRENGTH OF FE – C POWDER MATERIALS ALLOYED WITH COOPER	Assoc Prof. Mitev, I., Ph.D Faculty of Mechanical and Precision Engineering – Technical University of Gabrovo	46	BG	
58	DIMENSION CHANGES OF IRON POWDER MATERIALS ALLOY WITH PHOSPHORUS DEPENDING ON THE PROCESS PARAMETERS DURING SINTERING	Assoc Prof. Mitev, I., Ph.D; Eng. Todorova, I. Faculty of Mechanical Engineering – Technical University of Gabrovo,	49	BG	
		Prof. Dr. Chernega S. ¹ , Poliakov I. ¹ ,			

*time for presentation 10-12 minutes,
questions after each presentation*



II INTERNATIONAL SCIENTIFIC CONFERENCE
HIGH TECHNOLOGIES. BUSINESS. SOCIETY 2017

13-16.03.2017, MOUNTAIN RESORT BOROEVETS, HOTEL ELA
www.hightechsociety.eu



XIV INTERNATIONAL SCIENTIFIC CONGRESS - WINTER SESSION
MACHINES. TECHNOLOGIES. MATERIALS 2017

15-18.03.2017, MOUNTAIN RESORT BOROEVETS, HOTEL ELA
www.mtmcongress.com



XXIV INTERNATIONAL AND TECHNICAL CONFERENCE
FOUNDRY 2017

05-07.04.2017, PLEVEN, HOTEL ROSTOV
www.metalcasting.eu



V INTERNATIONAL SCIENTIFIC CONFERENCE
ENGINEERING. TECHNOLOGIES. EDUCATION. SECURITY 2017

31.05-03.06.2017, VELIKO TARNOVO, HOTEL VELIKO TARNOVO
www.techtos.net



III INTERNATIONAL SCIENTIFIC CONGRESS
INNOVATIONS 2017

19.06-22.06.2017, VARNA, HOTEL AQUA-AZUR
www.innova-eng.eu



V INTERNATIONAL SCIENTIFIC CONGRESS
AGRICULTURAL MACHINERY 2017

21.06-24.06.2017, VARNA, HOTEL AQUA-AZUR
www.agrimachinery.net



XXV INTERNATIONAL SCIENTIFIC CONFERENCE
trans & MOTAUTO'17

28.06-01.07.2017, BURGAS, HOTEL ATLANTIS
www.trans-motauto.com



II INTERNATIONAL SCIENTIFIC CONFERENCE
CONSERVING SOILS AND WATER

30.08.-2.09.2017, BURGAS, HOTEL ATLANTIS
www.conserving-soils.eu



III INTERNATIONAL SCIENTIFIC CONFERENCE
MATERIAL SCIENCE.
NONEQUILIBRIUM PHASE TRANSFORMATIONS 2017

11-13.09.2017, VARNA, HOTEL AQUA-AZUR
www.material-science.eu



XIV INTERNATIONAL SCIENTIFIC CONGRESS - SUMMER SESSION
MACHINES. TECHNOLOGIES. MATERIALS 2017

13-16.09.2017, VARNA, HOTEL AQUA-AZUR
www.mtmcongress.com



XI CONFERENCE FOR YOUNG RESEARCHERS
TECNICAL SCIENCES INDUSTRIAL MANAGEMENT 2017

13-16.12.2017, BOROEVETS, HOTEL ELA
www.youngconference.com



II INTERNATIONAL SCIENTIFIC CONFERENCE
INDUSTRY 4.0

13-16.12.2017, BOROEVETS, HOTEL ELA
www.industry-4.eu

*time for presentation 10-12 minutes,
questions after each presentation*