No.	Form of presentation	Name, surname	Institution	Title of abstract
1102	POSTER	Paweł Żurawski Andrzej Trytek	¹ Doctoral School of the Rzeszów University of Technology. Poland ² Rzeszów University of Technology, Faculty of Mechanics and Technology, Stalowa Wola, Poland	Welding process of pistons for diesel engines for military and special vehicles
1104	POSTER	Józef Brzęczek	Rzeszów University of Technology, Faculty of Mechanics and Technology, Departament of Component Manufacturing and Production Organization, Stalowa Wola, Poland	Estimation of aircraft cable control systems durability based on actual loads
1105	ORAL PRESENTATION	Marek Szewczyk ²	¹ Department of Component Manufacturing and Production Organization, Faculty of Mechanics and Technology, Rzeszow University of Technology, Stalowa Wola, Poland	Influence of selected cutting parameters on surface integrity in the turning process of steel 1.4404
		Krzysztof Szwajka ² Joanna Zielińska- Szwajka ¹	² Department of Integrated Design and Tribology Systems, Faculty of Mechanics and Technology, Rzeszow University of Technology, Stalowa Wola, Poland	
1106	POSTER	Krzysztof Szwajka ¹ Joanna Zielińska- Szwajka ² Marek Szewczyk ¹	¹ Department of Integrated Design and Tribology Systems, Faculty of Mechanics and Technology, Rzeszow University of Technology, Stalowa Wola, Poland ² Department of Component Manufacturing and Production Organization, Faculty of Mechanics and Technology, Rzeszow University of Technology, Stalowa Wola, Poland	Influence of selected friction welding parameters on the microstructure and properties of the dissimilar joint 32CrMo4- Inconel 713C for aerospace applications
1107	POSTER	Marek Szewczyk Marek Szewczyk Krzysztof Szwajka Joanna Zielińska- Szwajka²	¹ Department of Integrated Design and Tribology Systems, Faculty of Mechanics and Technology, Rzeszow University of Technology, Stalowa Wola, Poland ² Department of Component Manufacturing and Production Organization, Faculty of Mechanics and Technology, Rzeszow University of Technology, Stalowa Wola, Poland	The influence of alphining time on the microstructure and quality of bimetallic joints

		n. n	la la la caración	
1108	ORAL PRESENTATION	Piotr Bieniek ¹	Doctoral School of the Rzeszów	
			University of Technology Ignacy Łukasiewicz, Rzeszów, Poland	Characteristics of the measurement of ballistic
	Ě		Lukasiewicz, Kzeszow, Polalid	parameters during firing from the 155 mm
	ESE) (1 T 12	25 / 27 / 27 / 27 / 27 / 27 / 27 / 27 /	ballistic station of the KRAB self-propelled
	8	Mirosław Tupaj ²	² Rzeszów University of Technology, Faculty	howitzer
	RAI		of Mechanics and Technology, Stalowa	
	0		Wola, Poland	
	_	Tomasz Galek	Rzeszów University of Technology,	
	ORAL PRESENTATION		Faculty of Mechanics and Technology,	
	TAT		Stalowa Wola. Poland	Automatic image processing for morphology
1109	SEN			and grain size distribution analysis of metallic
	PRE			powders used in laser metal deposition
	AL I	Mirosław Tupaj		techniques
	O			
		Marcin Marciniak	Rzeszów University of Technology,	
	Z	Watern Waternak	Faculty of Mechanics and Technology,	
	ATIC		Stalowa Wola, Poland	
	L N		,	The use of FDM technology in defense:
1110	ESE			Materials, potential, and the impact of 3D
				prints on modern armed conflicts
	ORAL PRESENTATION			
		Jan Czyżewski	Rzeszów University of Technology,	
1111	POSTER		Faculty of Mechanics and Technology, Stalowa Wola, Poland	Modification of the profile of the camshaft cams with the use of a coating with increased
1111	Pos	Karol Łysiak	Statowa Word, Poland	resistance to abrasive wear
	_	Tomasz Galek		residente to normalite went
		Karol Łysiak¹	¹ Rzeszów University of Technology,	
		,	Faculty of Mechanics and Technology,	
			Stalowa Wola, Poland	
	~	Mirosław Tupaj ¹	² WEA Techlab, Dąbrowa Górnicza, Poland	
1112	ii.			Calorimetric heat measurements in the laser
1112	POSTER	Andrzej Trytek ¹		cladding process of Stellite6 powder
		Tomasz Galek 1		
		Wiktoria Zbyrad-		
		Kołodziej 1		
		Ernest Szajna ²		
		Lipový Břetislav ^{1,2}	¹ Fakultní nemocnice Brno a Lékařská fakulta Masarykovy univerzity, Brno,	
			Klinika popálenin a plastické chirurgie	
	ORAL PRESENTATION		Kimika popalemii a piasticke ciii urgie	
		D. XI . E ¹	² CEITEC MIT. C.V. 1	
		Raška F.¹	² CEITEC VUT – Středoevropský technologický institut, Vysoké učení	
			technické, Brno	
		Holoubek J. ¹	³ Mikrobiologický ústav, Fakultní	
		is is a control of the control of th	nemocnice u sv. Anny a Lékařská fakulta	
2401			Masarykovy univerzity, Brno	Burn wound infections in the present and
		Váňa V.¹	⁴ Oddělení infekčních chorob a preventivní	future preventive and therapeutic concepts
			medicíny, Výzkumný ústav veterinárního	
			lékařství, Brno	
		Vacek L.3		
		Kobzová Š. ⁴		
		Pavelka A. ⁴		
		Černá E.²		
		Janda L. ⁴		
		Růžička F. ³		
		Vojtová L. ²		

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		Petr Louda	Technical University of Liberec, Faculty	
			of Mechanical Engineering,	
			Department of Material Science	
	N _O			
	ORAL PRESENTATION			
	, L			Military and civilian applications of
2402	SE	Vojtech Ruzek		
	PRE	,		geopolymers
	AL			
	ORO			
		Vladimir Nosek		
		Przemysław	Military Institute of Armoured and	
	N O	Simiňski	Automotive Technology	
	ΑΤΙC			
	Ę	Krzysztof Kosiuczenko		Experimental and numerical validation of an
2502	ORAL PRESENTATION	RILYSLEOI ROSIUCZEIIKO		armor plate test stand
	PR			armor place test stand
	3AL	Marek Nowakowski		
	Ö	and the same of th		
		Róbert Cíger 1	¹ Faculty of Special Technology,	
			Alexander Dubcek University of	
			Trenčín, 911 o6 Trenčín, Slovakia.	
	œ	Michal Krbaťa ¹	² KONŠTRUKTA - Defence, a.s Lieskovec	Comparison of tribological properties of
3001	POSTER		575/25 018 41 Dubnica nad Váhom, Slovakia	Inconel 635 - steel 16M03 bimetallic pipe
	PO			materials after critical bending
		Marta Kianicová 1		
		Milan Jus 1		
		Marcel Kohutiar 1		
		Maroš Eckert 1		
		Michal Kuba ¹		
		Ján Palkech ²		
		Michal Krbaťa 1	To self- of Consciol To do to 1	
		IVIICIIAI KEDALA	¹ Faculty of Special Technology,	
			Alexander Dubcek University of Trenčín, Ku Kyselke 469, 911 o6 Trenčín,	
			Slovakia	
	POSTER		DIUVAKIA	
				Measuring the Thickness of Al & Cr-Al Coatings
3002		Marta Kianicová 1	² Konštrukta Defence, Lieskovec 575/25, 018	on Inconel 713LC Superalloy: A Study Using
	PC		41 Dubnica nad Váhom	Direct and Indirect Method
		Peter Fabo ¹		
		Jana Escherová 1]
		Marcel Kohutiar ¹		1
		Ján Palkech²		1
		Juraj Majerský	Faculty of special technology,	
		juiuj majeisky	Alexander Dubcek University of	
			Trencin. Ku kyselke 469, 911 o6 Trencin.	
			Slovakia	
3003			olo . andu	Machining of M390 Microclean® and M398
				Mircoclean® PM Steels – the comparison of
		Jozef Majerík		cutting forces and surface roughness
		Igor Barényi		_
		Henrieta Chochlíková		
		Jana Escherová		
		Mária Kubasáková		

	ORAL PRESENTATION	Mária Kubasáková 1	¹ Faculty of Special Technology, Alexander Dubcek University of Trencin, Ku kyselke 469, 911 o6 Trenčín- Záblatie. Slovakia	
				Research of material and technological properties of Armox structured perfiorated
3007		Jozef Majerík ¹	² Faculty of Military Technology, University of defence in Brno. Kounicova 65, 662 10 Brno, Czech Republic	armor sheets for ballistic protection - Smartshield
	Ö	Henrieta Chochlíková 1	,	
		Juraj Majerský ¹ Zdeněk Joska ²		
		Jindřich Viliš 1	¹ Faculty of Military Technology,	
			University of Defence in Brno. Kounicova 65, 612 oo Brno. Czech Republic	
	ORAL PRESENTATION	Zdeněk Pokorný ¹	² Faculty of Mechanical Engineering, Brno University of Technology, Technická 2, 616 69 Brno, Czech Republic	Experimental investigation of the armour
4003		Jan Zouhar ²	³ Faculty of Mechanical Engineering, Research Center of Manufacturing Technology, Czech Technical University in Prague, Horská 3, 128 00 Prague 2, Czech Republic	(Armox 500T-Aramid-UHMWPE)
		Roman Vítek ¹		
		Michal Stejskal ³		
		Jiří Procházka¹	¹ Faculty of Military Technology, University of Defence in Brno. Kounicova 65, 612 oo Brno. Czech Republic	
4005	POSTER	Jakub Pernica²	² Mendel University in Brno, Faculty of AgriSciences, Department of Technology and Automobile Transport	Effect of thermal annealing on mechanical properties of thermoplastics printed by FFF/FDM technology
		David Dobrocký¹ Alexander Kravcov¹		
		Petr Dostál ²		
	POSTER	Zdeněk Joska¹	¹ Faculty of Military Technology, University of Defence in Brno. Brno. Czech Republic	
4006		Zdeněk Pokorný ¹	² Department of Pathophysiology, Faculty of Medicine, Masaryk University. Brno. Czech Republic	Evaluation of dentin wear after flossing
		David Dobrocký¹ Michaela Krchova²		
		Bui Thanh Phan	Faculty of Military Technology,	
4007	POSTER	pui inami filan	University of Defence in Brno. Kounicova 65, 612 oo Brno. Czech Republic	Modeling of diffusion in vacuum drying of propellants
		Lenka Dobšáková		<u> </u>
		Vladimír Horák		

4007	ORAL PRESENTATION	The Duy Nguyen Lenka Dobšáková	Faculty of Military Technology, University of Defence in Brno. Kounicova 65, 612 oo Brno. Czech Republic	Cooling Ability of Smooth and Dimpled Surfaces
5001	ORAL PRESENTATION	Lukáš Řehořek ¹ Jan Vetiška ² Jindřich Viliš ³	¹Faculty of Mechanical Engineering, Brno University of Technology, Dept. of Metal Materials, Brno, Czech Republic ²Faculty of Mechanical Engineering, Brno University of Technology, Dept. of Robotics and Robots, Brno, Czech Republic ³University of Defence, Department of Mechanical Engineering, Brno, Czech Republic	The Potential of Cold Gas Dynamic Spray Technology for Armed Forces
		Marek Doubrava 1		
5002	SENTA	Josef Sedlak Jan Zouhar	Brno University of Technology, Faculty of Mechanical Engineering, Brno, Czech Republic	Study of mechanical properties and structure of 3D printed maraging steel
	OR	Martin Slany		
5002	ORAL PRESENTATION	Daniel Chrast Martin Slany Josef Sedlak Jan Zouhar Stepan Kolomy	Institute of Manufacturing Technology, FME, Czech Brno University of Technology, Brno, Czech Republic	The Analysis of Surfacing Welds of Inconel 625
		Oskar Zemcik		
5004	POSTER	Martin Juliš ¹ David Kusmič ¹ Lenka Klakurková ¹ Pavel Gejdoš ¹ Jarmil Cileček²	¹ Central European Institute of Technology, Brno University of Technology, Brno, Czech Republic ² Alucast s.r.o., Tupesy, Czech Republic	Production and Application of Precision Magnesium Alloys Castings made by the Lost Wax Process and their Surface Treatments Possibilities
5006	POSTER	Oskar Zemčík Martin Slaný Josef Sedlák Jan Zouhar	Institute of Manufacturing Technology, FME, Czech Brno University of Technology, Brno, Czech Republic	Machining of UMCo5o Cobalt Superalloy

		Manala Davidana		T
5007	ORAL PRESENTATION	Marek Doubrava Lukáš Řehořek	Faculty of Mechanical Engineering, Brno University of Technology, Technická 2896/2, 616 69, Brno, Czech Republic	Restoration of Military and Aerospace Equipment Manufactured from Nickel Superalloys using Cold Spray Technology
	ATION	Petra Bořilová Linhartová ^{1,2,3} Filip Růžička ⁴	¹ RECETOX, Faculty of Science, Masaryk University, Brno ² Clinic of Stomatology, St Anne's University Hospital, Faculty of Medicine, Masaryk University, Brno	
		František Janda ⁵ Pavla Holochová ¹	³ Clinic of Oral and Maxillofacial Surgery, University Hospital Brno, Faculty of Medicine, Masaryk University, Brno ⁴ Institute of Microbiology, St. Anne's	
6001	ORAL PRESENTATION		University Hospital, Faculty of Medicine, Masaryk University, Brno	Microbiome Labs – testing of probiotic- containing nanomaterials and its use in preventive medicine
	ORAL	Maximilián Rada¹ Zdeněk Pokorný ⁶	⁵ Wikinomist s.r.o., Praha ⁶ Department of Mechanical Engineering, Faculty of Military Technology, University of Defence, Brno	
		Eva Kuželová Košťáková ⁷	⁷ Institute of Chemistry, Faculty of Science, Humanities and Education, Technical University of Liberec, Liberec	
		Eva Budinská¹		-
		Petra Růžičková ¹ Jana Klánová ¹		-
	ORAL PRESENTATION	Michaela Krchova	Department of Pathophysiology, Faculty of Medicine, Masaryk University. Brno. Czech Republic	Evaluation of collular habarian depending on
6002		Lucie Valkova		Evaluation of cellular behavior depending on different micro/nanostructure of 3D printed
		Monika Pavkova Goldbergova		titanium alloy surface
	POSTER	Jana Šístková ¹	¹ Department of Pathological Physiology, Faculty of Medicine, Masaryk University, Brno, Czech Republic	
6003		Tatiana Fialová ²	² Department of Chemistry and Biochemistry, Mendel University in Brno, Brno, Czech Republic	Roughness parameters of titanium biomaterial with nanostructured surface in relation to
		Emil Svoboda ³	³ Department of Mechanical Engineering, Faculty of Military Technology, University of Defence, Brno, Czech Republic	antibacterial activity
		Monika Pávková Goldbergová ¹		
		Golubergova		1

	7	Polina Navratilova ¹	¹ Department of Pathophysiology, Faculty of Medicine, Masaryk University. Brno. Czech Republic	
6004	ORAL PRESENTATION	Jan Emmer ²	² ist Department of Orthopaedics, St. Anne`s University Hospital, Masaryk University. Brno, Czech Republic	Characterisation of Macrophage Response to Nickel Nanoparticles and Ions Released from
0004		Tomas Loja ³	³ Centre for Molecular Medicine, Central European Institute of Technology/Masaryk University. Brno. Czech Republic	Biomaterials
		Monika Pavkova Goldbergova¹		
	ORAL PRESENTATION	Veronika Vesela	Department of Pathophysiology, Faculty of Medicine, Masaryk University. Brno. Czech Republic	Effect of Ni and TiO2 Nanoparticles on
6006	RESEN	Jana Veverkova		Viability, Adhesion and Morphology of Human Umbilical Vein Endothelial Cells
	ORAL P	Polina Navratilova Monika Pavkova Goldbergova		- Distriction Paragraphic Cons
		Michal Stejskal	Institute of Production Machinery and	
	NTATION		Equipment, Czech Technical University in Prague, Faculty of Mechanical Engineering	Increasing the efficiency of machining modern
8001	ORAL PRESENTATION	Matej Sulitka		Increasing the efficiency of machining modern materials and freeform parts
		Jan Smolík Pavel Zeman		
	NO	Robert Kosturek	Faculty of Mechanical Engineering, Military University of Technology, Warsaw, Poland	
	ENTATI	Janusz Torzewski	warsaw) i olana	Selected problems in friction stir welding of
9001	ORAL PRESENTATION	Marcin Wachowski		titanium and aluminum armor grade alloys
		Krzysztof Grzelak		
		Lucjan Śnieżek Marcin Wachowski	Faculty of Mechanical Engineering,	
	ATION		Military University of Technology, Warsaw, Poland	The effect of stress relief annealing on the
9002	ORAL PRESENTATION	Robert Kosturek		microstructure of Titanium Grade 1 - S355J2 bimetallic clad-plate obtained via explosive
	ORALI	Lucjan Śnieżek		welding

	NOI		¹ Faculty of Mechanical Engineering, Military University of Technology, Warszawa, Polska	
9003	ENTAL		² Faculty of Computer Information Systems and Software Engineering, Ternopil Ivan Puluj State Technical University, Ternopil, Ukraine	Effect of Laser Shock Wave Treatment on Mechanical Properties of Titanium Grade 1
	ORA	Bogdan Kovalyuk²		
		Vitalii Mocharskyi²		
		Oksana Sitkar²		