

SESSIONS SCHEDULE

1 1 1 2 3	Pavel L Cezary Mad	Room: Main Hall Conference registration Room: 10D TRIZ Tutorial for beginners - Mateusz Słupiń Room: Foyer Welcome brunch Room: 10D Welcome speech Livotov, President of ETRIA, European TRIZ Aslintroduction to academic innovation ryas, Rector, Wrocław University of Science a Organisational announcements Sebastian Koziołek, Local committee chair KEYNOTE PRESENTATION Opening keynote: TRIZ Mysterious Contradicki, Successful Education LLC; George Mason University Room: Foyer Coffee break	ssociation nd Technology	
11:30 (60 min) 12:30 (30 min) 13:00 (60 min) 14:00 (30 min) 14:30 (2 hours)	Pavel I Cezary Mad	Room: 10D TRIZ Tutorial for beginners - Mateusz Słupiń Room: Foyer Welcome brunch Room: 10D Welcome speech Livotov, President of ETRIA, European TRIZ Aslintroduction to academic innovation Iryas, Rector, Wrocław University of Science a Organisational announcements Sebastian Koziołek, Local committee chair KEYNOTE PRESENTATION Opening keynote: TRIZ Mysterious Contradio ski, Successful Education LLC; George Mason University Successful Edu	ssociation nd Technology	
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13:00 (60 min) 14:00 (30 min) 14:30 (2 hours)	Cezary Mad O Tomasz Arciszews	Welcome brunch Room: 10D Welcome speech Livotov, President of ETRIA, European TRIZ As Introduction to academic innovation Iryas, Rector, Wrocław University of Science a Organisational announcements Sebastian Koziołek, Local committee chair KEYNOTE PRESENTATION Opening keynote: TRIZ Mysterious Contradio ski, Successful Education LLC; George Mason Univ	nd Technology	
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(30 min) 14:30 (2 hours)	Room: 10D	•		
14:30 (2 hours)	Room: 10D	Coffee break		
(2 hours)	Room: 10D			
C		Room: 113	Room: 114	
<u>s</u> 8 1	Heuristic problems in automation and control design: what can be learnt from TRIZ? Leonid Chechurin¹, Viktor Berdonosov², Leonid Yakovis³ ¹Lappeenranta University of Technology, Finland; ²Komsomolsk-na-Amure State Technical University, Russia; ³St. Petersburg State Polytechnical University, Russia Aspects of teaching TRIZ Christoph Dobrusskin Philips Innovation Services, The Netherlands Identification of laws of engineering systems evolution in mobile phones evolution. Could it be that something has gone wrong? Kai Hiltmann, Nara Udumyan Coburg University of Applied Sciences and Arts, Germany	A Brief Theory of Inventive Problem Solving (BTIPS)-an Approach in Teaching, Learning and Practice Zbigniew Marian Bzymek University of Connecticut, USA Optimizing motor performance by using TRIZ methodology Matej Hohnjec¹, Dušan Gošnik¹, David Koblar² ¹ZEN d.o.o., Slovenia; ²Domel d.o.o., Slovenia Developing Growth Portfolio with TRIZ Structures Michael Ohler, Philip Samuel, Naresh Shahani, Derek Bennington, Riaan Britts BMGI, Germany Mobile biogas station design – the TRIZ approach Mariusz Ptak¹, Sebastian Koziołek¹, Damian	A proposal for automation of conceptual design stage in Architecture-Engineering-Construction (AEC) projects Ivan A. Renev Lappeenranta University of Technology Finland TRIZ potential for IT projects Monika Woźniak University of Gdansk, Poland Opportunities for integrating TRIZ and systematic innovation tools into large scale Agile software developmentem Vitor Delta, Finland Trend of Increased Addressing of Human Senses – Near Field Senses Oliver Mayer GE Global Research, Germany	
1	Adaptive problem Sensing and Solving Model (APSS – Model) inspired by the Cynefin Framework and its application of TRIZ	Derlukiewicz ¹ , Marek Mysior ¹ , Mateusz Słupiński ² ¹ Wrocław University of Science and Technology, Poland; ² Centre for Systems Solutions, Poland	az alobal Nescaren, dermany	

Networking evening with snack bar in a relaxed atmosphere

(4 hours)

	DAY 2	TUESDAY: 25	5.10.2016						
08:30	Room: Main Hall								
	Conference registration								
09:00			n: 10D						
(30 min)		Keynote Speech Piotr Sroka , country leader at WABCO Wrocław, PL							
09:30 (30 min)	Jacek Czech , Bus	Keynote iness development execu	e Speech tive at National Chamb	er of Commerce, PL					
10:00		Room	: Foyer						
(30 min)		Coffee break							
10:30	Room: 10D	Room: 113		Room: 114					
(2 hours)	What a well-trained TRIZ user can learn from other design methodologies: an initial speculation Leonid Chechurin¹, Mika Lohtander¹, Yuri Borgianni²¹Lappeenranta University of Technology, Finland;²Free University of Bozen-Bolzano, Italy A long-term strategy to spread TRIZ in SMEs. Analysis of Bergamo's experience Davide Russo, Daniele Regazzoni, Caterina Rizzi University of Bergamo, Italy Idea Generation with Substance-Field Analysis: the Influence of Prior Knowledge and Practical Experience louri Belski¹, Anne Skiadopoulos², Guillermo Aranda-Mena¹, Gaetano Cascini³, Davide Russo⁴¹RMIT, Australia;²Swinburne University of Technology, Australia;³Politechnico Milano, Italy;⁴University of Bergamo, Italy Problem definition and identification of contradictions in the interdisciplinary areas of mechatronic engineering Didier Casner¹, Rémy Houssin²,	Lessons for TRIZ from D Thinking & Lean 3P Michał Hałas Grupa ODiTK, Poland How to Generate Simple Systematically from Fur Diagram Min-Gyu Lee ^{1,2} 1 Lappeenranta University of 2 QM&E Innovation, South Ko Structured activation of vanother way around creater for non-technical application of the company of the company of Cluj-N Why TRIZ Popularity is I Sergey Sobolev¹, Oleg Al 1 Algorithm Ltd., Russia; 2 Siemens LLC, Russia	e Model Solutions nction Analysis Technology, Finland; rea vertex entropy (SAVE): tive problem solving tions lapoca, Romania Declining	Conceptual framework for marketing communication management with a qualitative and system-oriented approad Joanna Kijewska, Marek Goliński Poznan University of Technology, Poland TRIZ and innovation of pressing Bohuslav BUSOV¹, Vladimír DOSTÁL², Mila BARTLOVÁ¹ ¹Brno University od Technology, Czech Republic; ²TF, Czech Republic Product development using heuristic-systematic approach: a case study Bartosz Pryda, Marek Mysior Wroclaw University of Science and Technology, Polande algebra Jerzy Chrząszcz¹,², Piotr Salata¹,² ¹Warsaw University of Technology, Poland; ²Pentacomp Systemy Informatyczne S.A., Poland					
12:30	Pavel Livotov ¹ , Jean Renaud ² ¹ Offenburg University, Germany; ² INSA Strasbourg, France	Room: Sk	KS 1 st floor						
(90 min)		Lu	nch						
14:00	Room: 10D	Room:	113	Room: 114					
(90 min)	TRIZ and turbojet engine innovation Bohuslav Busov¹, Zdeněk Katolický², Milada Bartlová¹ ¹Brno University of Technology, Czech Republic; ²Air Division of PBS, Czech Republic Combining TRIZ and open innovation,	The Application of TRIZ to Failures caused by uninter Juergen Hess BSH Home Appliances Group 16329 Berlin Towards an expansion of	nded Operation Errors o, Wohlrabedamm 15, f TRIZ methods	¹ Maritime University of Szczecin, Poland; ² Maritime University of Szczecin, Poland A Praxeological Model of Creative Action the Field of Mechanical Engineering Maksymilian Leszek Smolnik					
	a new promising perspective for enhancing corporate innovation processes Masih Hanifi¹, Remy HOUSSIN², Denis Cavallucci¹, Simon Fuhlhaber¹ ¹INSA, France; ²University of Strasbourg, France TRIZ-based approach for process intensification and problem solving in process engineering: concepts and research agenda Didier Casner, Pavel Livotov, Mas'udah Mas'udah, Patricia Kely da Silva Offenburg University, Germany	into the strategy creation Michael Ohler¹, Philip Sa Naresh Shahani³, Derek ¹BMGI, Germany; ²BMGI, USA ³BMGI, India; ⁴The TRIZ Journal, USA TRIZ to support creation value business initiative Stelian Brad Technical University of Cluj-N 28, 400114 Cluj-Napoca, Ro	Imuel², Bennington⁴ l; of innovative shared es	¹ Maritime University of Szczecin, Poland; ² Maritime University of Szczecin, Poland Is Poland an innovative country? Dorota Chybowska ¹ , Leszek Marek Chybows ¹ Maritime University of Szczecin, Poland; ² Maritime University of Szczecin, Poland A Praxeological Model of Creative Actions in the Field of Mechanical Engineering					
15:30	corporate innovation processes Masih Hanifi¹, Remy HOUSSIN², Denis Cavallucci¹, Simon Fuhlhaber¹ ¹INSA, France; ²University of Strasbourg, France TRIZ-based approach for process intensification and problem solving in process engineering: concepts and research agenda Didier Casner, Pavel Livotov, Mas'udah	Michael Ohler¹, Philip Sa Naresh Shahani³, Derek ¹BMGI, Germany; ²BMGI, USA ³BMGI, India; ⁴The TRIZ Journal, USA TRIZ to support creation value business initiative Stelian Brad Technical University of Cluj-N 28, 400114 Cluj-Napoca, Ro	muel², Bennington⁴ d; n of innovative shared es lapoca, Memorandumului mania	¹ Maritime University of Szczecin, Poland; ² Maritime University of Szczecin, Poland Is Poland an innovative country? Dorota Chybowska ¹ , Leszek Marek Chybows ¹ Maritime University of Szczecin, Poland; ² Maritime University of Szczecin, Poland A Praxeological Model of Creative Actions in the Field of Mechanical Engineering Maksymilian Leszek Smolnik					
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	corporate innovation processes Masih Hanifi¹, Remy HOUSSIN², Denis Cavallucci¹, Simon Fuhlhaber¹ ¹INSA, France; ²University of Strasbourg, France TRIZ-based approach for process intensification and problem solving in process engineering: concepts and research agenda Didier Casner, Pavel Livotov, Mas'udah Mas'udah, Patricia Kely da Silva Offenburg University, Germany Room: 10D TRIZ/CrePS approach to the social problems of	Michael Ohler¹, Philip Sa Naresh Shahani³, Derek ¹BMGI, Germany; ²BMGI, USA ³BMGI, India; ⁴The TRIZ Journal, USA TRIZ to support creation value business initiative Stelian Brad Technical University of Cluj-N 28, 400114 Cluj-Napoca, Ro Room	muel², Bennington⁴ i, of innovative shared es lapoca, Memorandumului mania : Foyer e break Can TRIZ functional ai	¹Maritime University of Szczecin, Poland; ²Maritime University of Szczecin, Poland Is Poland an innovative country? Dorota Chybowska¹, Leszek Marek Chybows ¹Maritime University of Szczecin, Poland; ²Maritime University of Szczecin, Poland A Praxeological Model of Creative Actions in the Field of Mechanical Engineering Maksymilian Leszek Smolnik AGH University of Science and Technology, Poland Room: 113 nalysis improve FMEA					
(30 min) 16:00	corporate innovation processes Masih Hanifi¹, Remy HOUSSIN², Denis Cavallucci¹, Simon Fuhlhaber¹ ¹/INSA, France; ²University of Strasbourg, France TRIZ-based approach for process intensification and problem solving in process engineering: concepts and research agenda Didier Casner, Pavel Livotov, Mas'udah Mas'udah, Patricia Kely da Silva Offenburg University, Germany Room: 10D TRIZ/CrePS approach to the social problems of Love' is found the Principal Contradiction of the Toru Nakagawa¹,² ¹Osaka Gakuin University, Japan; ²CrePS Institute, Japan Enhancing Patent Portfolio Using TRIZ Worksh Frank Zeihsel¹, Christian M. Thurnes², Jan Schulze³ ¹Synnovating GmbH, Germany; ²University of Applied Sc Germany; ³Thyssenkrupp Intellectual Property GmbH, Ge Effective Design Approach with Inventive Principamage Risk on the Internet Manabu Sawaguchi¹, Satoru Utsugi²	Michael Ohler¹, Philip Sa Naresh Shahani³, Derek ¹BMGI, Germany; ²BMGI, USA ³BMGI, India; ⁴The TRIZ Journal, USA TRIZ to support creation value business initiative Stelian Brad Technical University of Cluj-N 28, 400114 Cluj-Napoca, Ro Room Coffee f poverty: ,Liberty vs. ne Human Culture	muel², Bennington⁴ i, of innovative shared es lapoca, Memorandumului mania : Foyer e break Can TRIZ functional ar Christian Spreafico, Da University of Bergamo, Ita Tech-Finder: a Dynam	¹Maritime University of Szczecin, Poland; ²Maritime University of Szczecin, Poland Is Poland an innovative country? Dorota Chybowska¹, Leszek Marek Chybows¹ ¹Maritime University of Szczecin, Poland; ²Maritime University of Szczecin, Poland A Praxeological Model of Creative Actions in the Field of Mechanical Engineering Maksymilian Leszek Smolnik AGH University of Science and Technology, Poland Room: 113 nalysis improve FMEA avide Russo ly sic Pointer to Effects o Montecchi², Antonio Caputi¹					
(30 min) 16:00	corporate innovation processes Masih Hanifi¹, Remy HOUSSIN², Denis Cavallucci¹, Simon Fuhlhaber¹ ¹/INSA, France; ²University of Strasbourg, France TRIZ-based approach for process intensification and problem solving in process engineering: concepts and research agenda Didier Casner, Pavel Livotov, Mas'udah Mas'udah, Patricia Kely da Silva Offenburg University, Germany Room: 10D TRIZ/CrePS approach to the social problems or Love' is found the Principal Contradiction of the Toru Nakagawa¹¹²² ¹Osaka Gakuin University, Japan; ²CrePS Institute, Japan Enhancing Patent Portfolio Using TRIZ Worksh Frank Zeihsel¹, Christian M. Thurnes², Jan Schulze³ ¹Synnovating GmbH, Germany; ²University of Applied Sc Germany; ³Thyssenkrupp Intellectual Property GmbH, Ge Effective Design Approach with Inventive Principal Page Risk on the Internet	Michael Ohler¹, Philip Sa Naresh Shahani³, Derek ¹BMGI, Germany; ²BMGI, USA ³BMGI, India; ⁴The TRIZ Journal, USA TRIZ to support creation value business initiative Stelian Brad Technical University of Cluj-N 28, 400114 Cluj-Napoca, Ro Room Coffee f poverty: ,Liberty vs. he Human Culture hops diences Kaiserslautern, hermany ciples to Reputational	muel², Bennington⁴ a; n of innovative shared es lapoca, Memorandumului mania : Foyer e break Can TRIZ functional ai Christian Spreafico, Da University of Bergamo, Ita Tech-Finder: a Dynam Davide Russo¹, Tiziano	¹Maritime University of Szczecin, Poland; ²Maritime University of Szczecin, Poland Is Poland an innovative country? Dorota Chybowska¹, Leszek Marek Chybows¹ ¹Maritime University of Szczecin, Poland; ²Maritime University of Szczecin, Poland A Praxeological Model of Creative Actions in the Field of Mechanical Engineering Maksymilian Leszek Smolnik AGH University of Science and Technology, Poland Room: 113 nalysis improve FMEA avide Russo ly sic Pointer to Effects o Montecchi², Antonio Caputi¹					

	D	AY 3 WEDNES	DAY: 2	6.10.2016						
08:30	Room: Main Hall									
		·		registration						
00.00	Vous	KEYNOTE PRESENTA		-	et Heere Domer	de				
09:00 (30 min)	Keynote: The Future of Making Things – How to Meet Users Demands Radosław Cieślak, Autodesk, PL									
09:30 (60 min)	Keynote: TRIZ: A Foundation for Increasing Human Intelligence Dana Clarke, Vermilion Institute of Technology, USA									
10:30	Room: Foyer									
(30 min)	Coffee break									
11:00	Room: 10D		Room:			Room: 114				
	Applying TRIZ and Lean Tools for Improvelopment Processes. A Case Study Industry: Improving the Testing Proces SW and HW-related Products Martin Kiesel ¹ , Jens Hammer ² ¹ Siemens AG, Germany; ² Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany Development of creative education material for students at middle and high school design thinking process with simplified Kyeongwon LEE Korea Polytechnic University, South Korea Roadmapping the Disruptive Innovation Technologies Based on CV of Resource Jianguang Sun ¹ , Yu Wang ¹ , Lizhen Jia ^{1,2} , Runh	system architect Sebastian Koziol Wrocław University TRIZ based protomanufacturing sebastian Koziol Wrocław University TRIZ-based ana blem of low adh John Cooke Cocatalyst Limited, TRIZ-based ana blem of low adh John Cooke	ture by TR ek y of Science blem solv system ek¹, Mate ty of Science s Solutions lysis of the	e and Technology, Polating of tile usz Słupiński² e and Technology, Polating of tile	Problem Solvand Pei ZHANG ¹ , Denis CAVALI	G¹, Cecilia ZANNI-MERK², ALLUCCI³ sign Engineering Laboratory), France; ²SDC e, France; ³INSA Strasbourg, France use of the TRIZ contradiction matrix, ntation on a ball bearing technical issue itgendre¹, Laurent Varnoux¹, Nicolas				
12:30	¹ Hebei University of Technology, China; ² Polite Milano, Italy		Poom: SK	S 1st floor						
(90 min)	Room: SKS 1st floor Lunch									
14:00	Room: 10D									
(30 min)	Closing ceremony & participants' feedback - Sebastian Koziołek, Local committee chair									
14:30	ETRIA Members meeting - Pavel Livotov, President of ETRIA European TRIZ Association									
(60 min)										
			EXCU	RSION						
15:30			Room: N	lain Hall						
	Meet point for study visit									
16:00	Room: ZOO Wrocław									
(30 min)	Keynote: Africarium: Where tradition meets innovation – Radosław Ratajszczak, President of the Board, ZOO Wrocław, PL Africarium innovation tour									
16:30										
	DAY 4 THURS	SDAY: 27.10.20	16 (0)	PEN WORK	SHOP DAY)				
08:30	Room: 10D									
(10 min)	Open Workshop Day: organizational announcements Sebastian Koziołek, Local committee chair									
08:40										
(15 min)		Eugenius	z Rusińsl	iy: welcome spec ki , Conference Chai	,					
09:00	Room: 10D	Room: 10D		Room: 113	Room: 114		Room 115			
(90 min)	Inventive engineering in education Sebastian Koziołek, Local committee chair Systematic innovation in higher education and universities Maciej Litwin, Wrocław Academic Hub Systematic innovation in education Jarosław Delewski, President of Department of Education in Wrocła		(in English) (0/60) Saurabh Kwatra conference participants only (in E		TRIZ Tutorial for ac (in English) (0/60) Dana Clarke conference participa		TRIZ open workshop (in Polish) (0/20) Konrad Klepacki			
10:30	Room: Foyer									
(30 min)				break						
11:00	Room: 113	Room: 114	Room: 114 Room 10D Room 115				Room 115			
(90 min)	Creative game (in English) (0/20) Mariusz Ptak p	Agile + Waterfall – two pow project management (in Engl Marek Malkowski	Vaterfall – two powers of nanagement (in English) "Engineer is a though (Polish-English transl		thtful practitioner" slation) (0/100)	I practitioner" Inventive Engineering for child (in Polish) (20/20)				
12:45 (90 min)	Technology forecasting via fourteen S	System Operator (in English Marek Mysior & Bartosz Pr		Inventive Engineering for adults (in Polish/English) (0/16) Sebastian Koziołek		Titanic case study (in English) (0/40) Nina Defounga				
14:30	Trendy Rozwoju Systemów Technicz- D	Design Thinking (in English) (i Damian Derlukiewicz	ing (in English) (0/16)		JEDASLIAN RUZIVIEK					
(90 min)	Konrad Klepacki									
			Room	n: 10D						