



TFC2022 Program draft

Monday 26.09.2022 - pre-conference tutorial/workshop day

08:00-09:00	registration		
09:00-10:30	Tutorial 1	Małgorzata Przymusiła and Jerzy Obojski, Novismo	Everything You Always Wanted to Know About TRIZ But Had Nobody to Ask
10:30-12:00	Tutorial 2	Valeriy Prushinskiy, Samsung Electronics	Introduction Into Patents, Intellectual Property (IP) Enhancement And Patent Deconstruction
12:00-13:00	coffee break		
13:00-14:00	Tutorial 3	Marek Rudziński, nFactor	Cognitive Filters and Psychological Inertia
14:00-15:00	Tutorial 4	Kazik Anhalt, University of Warsaw	PACTT – The Polish Association of Centers for Technology Transfer

Tuesday 27.09.2022

08:30-09:15	registration		
09:15-10:45	Tutorial 5	Victor Fey, The TRIZ Group	How to Map Your Best Innovation Opportunities
10:45-11:00	coffee break		
11:00-12:00	Tutorial 6	Robert Nowak, Warsaw University of Technology	Introduction to Artificial Intelligence
12:00-13:00	lunch		
13:00-13:45	opening ceremony		
13:45-14:45	Keynote 1	Vladimir Proseanic / Boris Zlotin, Progress Inc	TRIZ and Progressive Artificial Neural Networks (PANN)
14:45-15:45	Session 1 Chair: Cezary Zieliński	Marek Mysior	Modular ideality for systematic segmentation #31
		Christian Spreafico, Davide Russo and Daniele Landi	How to implement EU eco-design Directive through a TRIZ-based approach #29
		Chris Edward, Nara Kulathu Ramaiyer and Jane Labadin	Mathematical Modelling and Formalization of TRIZ: Trimming for Product Design #37
		Serge Tremblay and Mickaël Gardoni	Improving the TRIZ creative engineering methodology to take into account the notion of the value of the idea #58
15:45-16:00	coffee break		
16:00-17:00	Keynote 2	Alla Zusman / Boris Zlotin, Ideation International	New developments in the application of TRIZ to solving problems in complex systems, including business and social ones
17:00-18:00	Session 2 Chair: Stelian Brad	Ashley E. R. Soosay, Muhammad Hamdi Mahmood, Narayanan Kulathuramaiyer and Saiful Bahari Mohd Yusoff	Triz-based Remodelling of Body Enclosure for Corpse #12
		Rachid Benmoussa	Eco-design Pilot Improvement Based on TRIZ and ASIT Tools #23
		Justus Schollmeyer	Identifying organisational tradeoffs by analysing employee reviews with NLP #17
		Timothy George Mintu, Narayanan Kulathuramaiyer, Franklin George and John Phoa Chui Leong	TRIZ-based Approach in Capturing and Managing Indigenous Innovation and Knowledge #26
19:00-22:00	social program		



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Wednesday 28.09.2022			
08:30-09:00	registration		
09:00-10:00	Keynote 3	Paweł Wawrzyński, Warsaw University of Technology	Deep Learning and machine creativity
10:00-11:00	Session 3 Chair: Denis Cavallucci	Monika Woźniak and Anna Boratyńska-Sala	The potential of creative methods for IT project management #71
		Nikhil Phadnis	Innovation Portfolio Management: How TRIZ can help? #27
		Jerzy Chrzęszcz, Barbara Gronauer, Oliver Mayer, Horst Nähler and Tiziana Bertocelli	Modeling IT systems in TRIZ #01
		Horst Naehler, Barbara Gronauer, Tiziana Bertocelli, Hartmut Beckmann, Jerzy Chrzęszcz and Oliver Mayer	Modeling Software in TRIZ #68
11:00-11:15	coffee break		
11:15-12:15	Session 4 Chair: Robert Nowak	Masih Hanifi, Hicham Chibane, Remy Houssin and Denis Cavallucci	Inventive principles extraction in inventive design using Artificial Intelligence methods #50
		Davide Russo and David Gervasoni	AI based Patent analyzer for suggesting Solutive actions and graphical triggers during problem solving #46
		Christian Iniotakis	VA++ - the Next Generation of Value Analysis in TRIZ #10
		Claudia Hentschel, Kai Hiltmann, Norbert Huber, Pavel Livotov, Horst Naehler, Christian M. Thurnes and Agata Maria Wichowska	Development of an Ontology of Sustainable Eco-friendly Technologies and Products based on the Inventive Principles of the TRIZ Theory (OntoSustIP) #48
12:15-13:15	Session 5 Chair: Tomasz Gambin	Jerzy Obojski	Market Impact Chain Analysis - MICA, new TRIZ tool #69
		Narayanan Kulathuramaiyer and Timothy George Mintu	TRIZ-based Approach in Co-creating Virtual Storymaps #30
		Nicolas Douard, Ahmed Samet, George Giakos and Denis Cavallucci	Bridging Two Different Domains so as To Potentially Pair Their Inherent Problem-Solution Text Contents: Applications to Quantum Sensing and Biology #61
		Chu Hiang Goh and Narayanan Kulathuramaiyer	Inventive Design Solutions for the Complex Social-Technical Problems in Preserving Indigenous Symbolic Visual Communications #28
13:15-14:15	lunch		
14:15-15:15	Keynote 4	Valeriy Prushinskiy, Samsung Electronics	TRIZ, Big Data and improving of UI of electronic devices
15:15-16:15	Session 6 Chair: Paweł Wawrzyński	Guillaume Guarino and Denis Cavallucci	Automatic TRIZ domain mapping #72
		Marin Iuga and Stelian Brad	Adoption of Artificial Intelligence in Romania: Innovative Policies to Overpass Vulnerabilities with TRIZ and Deep-Thinking Tools #76
		Tim Maurice Julitz, Tim Katzwinkel and Manuel Löwer	Using MBSE for conflict managing TRIZ on a systems engineering level #13
		Marek Mysior and Sebastian Koziółek	Hypotheses analysis as a development of the System Operator method used in TRIZ #45
16:15-16:30	coffee break		
16:30-17:30	Session 7 Chair: Sebastian Koziółek	Tony Tanoyo and Jennifer Harlim	TRIZ Training Within a Continuous Improvement (Kai-zen) Event – Exploration and Evaluation #38
		Malgorzata Przymusiala	TRIZ trainings in pandemic times – teaching TRIZ using TRIZ #56
		Toru Nakagawa, Darrell Mann, Michael Orloff, Simon Dewulf, Simon Litvin and Valeri Souchkov	WTSP Report (5) Catalogs of TRIZ and Around-TRIZ Sites in the World: We Can Learn Full Scope of TRIZ-related Works in the World #64
		Abeda Muhammad Iqbal, Narayanan Kulathuramaiyer, Adnan Shahid Khan and Johari Abdullah	Analysing Human Capital to Strengthen National Innovation System Through University-Industry Research Collaboration: A TRIZ- Based Approach #59
17:30-18:15	Round Table	Moderator: Stelian Brad	ETRIA activities and visions
19:00-22:00	social program		



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Thursday 29.09.2022			
08:30-09:00	registration		
09:00-10:00	Keynote 5	Victor Fey, The TRIZ Group	How to Advance TRIZ into an Exact Science
10:00-11:00	Session 8 Chair: Tomasz Starecki	Daria Berdyugina and Denis Cavallucci	Exploitation of causal relation for automatic extraction of contradiction from a domain-restricted patent corpus #24
		Hans-Gert Gräbe	Systems, Resources, and Systemic Development in TRIZ #11
		Vasilii Kaliteevskii, Matvei Bryksin and Leonid Chechurin	Integration of TRIZ methodologies into the digital product development process #43
		Mas'Udah, Pavel Livotov, Sandra Santosa, Arun Prasad Chandra Sekaran, Anang Takwanto and Agata Mariola Pachulska	Eco-Feasibility Study and Application of Natural Inventive Principles in Chemical Engineering Design #49
11:00-11:15	coffee break		
11:15-12:15	Session 9 Chair: Jarosław Arabas	Grzegorz Kuduk, Piotr Pałka, Maciej Bekas and Barbara Wąsowska	Analysis of Tools Used for Implementation of a Knowledge Base Based on an Ontology for a Service Robot in a Kitchen Environment #62
		Ken Pierre Kleemann, Nadine Schumann, Veronika Heuten and Hans-Gert Graebe	Focusing the first phase – an interdisciplinary approach to modeling an interactive system on the use case Indoor-Blind-Navigation #22
		El Ghalya Laaroussi, Irhirane El Hassan and Badr Dakkak	Lean and TRIZ for improving the maintenance process #79
		Stelian Brad and Emil Ştetco	An Interactive Artificial Intelligence System for Inventive Problem-Solving #78
12:15-13:00	Session 10 Chair: Stelian Brad	Amadou Coulibaly, Florence Rudolf, Murielle Ory, Denis Cavallucci, Lucas Bastian and Julie Gobert	Open Inventive Design Method (OIDM-Triz) approach for the modeling of complex systems and the resolution of multidisciplinary contradictions. Application to the exploration of innovative solutions to deal with the climate change impacts #60
		Valery Korotchenya	Ideal Final Result for Agriculture: Striving after Sustainability #02
		Jochen Wessner	The Use of Publicly Available Image Search Engines to Find Solution Ideas #06
13:00-14:00	lunch		
14:00-15:00	Keynote 6	Mei Choo Ang, National University of Malaysia	Integrating TRIZ with AI in the era of the Fourth Industrial Revolution
15:00-15:30	closing ceremony		
15:30-16:00	coffee break		
16:00-17:00	Meeting	Annual ETRIA members' meeting	