



TFC2022 Program

NOTE: the time is indicated for Warsaw time zone (Central European Summer Time = UTC + 2)

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	Krzysztof Maternicki, Warsaw University of Technology	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, GEN TRIZ LLC	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	BARAWINO winebar, Noakowskiego 16
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
		Christian Spreafico, Davide Russo and Daniele Landi	Combining TRIZ and LCA for a better awareness of the sustainability of a technical solution
		Chris Edward, Nara Kulathu Ramaiyer and Jane Labadin	Mathematical Modelling and Formalization of TRIZ: Trimming for Product Design
		Serge Tremblay and Mickaël Gardoni	Improving the TRIZ creative engineering methodology to take into account the notion of the value of the idea
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
		Rachid Benmoussa	Eco-design Pilot Improvement Based on TRIZ and ASIT Tools
		Justus Schollmeyer	Using NLP to Detect Tradeoffs in Employee Reviews
		Timothy George Mintu, Narayanan Kulathuramaiyer, Franklin George and John Phoa Chui Leong	TRIZ-based Approach in Capturing and Managing Indigenous Innovation and Knowledge
18:00-19:00	Meeting	ETRIA Board meeting	
19:15-22:00		dinner with wine tasting	BARAWINO winebar, Noakowskiego 16

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
		Nikhil Phadnis	Innovation Portfolio Management: How TRIZ can help?
		Jerzy Chrzęszcz, Barbara Gronauer, Oliver Mayer, Horst Nähler and Tiziana Bertocelli	Modeling IT systems in TRIZ
		Horst Naehler, Barbara Gronauer, Tiziana Bertocelli, Hartmut Beckmann, Jerzy Chrzęszcz and Oliver Mayer	Modeling Software in TRIZ
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
		Davide Russo and David Gervasoni	AI based Patent analyzer for suggesting Solutive actions and graphical triggers during problem solving
		Christian Iniotakis	VA++ - the Next Generation of Value Analysis in TRIZ
		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) – Research Agenda
12:15-13:15	Session 5 Chair: Tomasz Gambin	Jerzy Obojski	Market Impact Chain Analysis - MICA, new TRIZ tool
		Narayanan Kulathuramaiyer and Timothy George Mintu	TRIZ-based Approach in Co-creating Virtual Storymaps
		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
		Chu Hiang Goh and Narayanan Kulathuramaiyer	Inventive Design Solutions for the Complex Socio-Technical Problems in Preserving Indigenous Symbolic Visual Communications
13:15-14:15		lunch	BARAWINO winebar, Noakowskiego 16
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
		Marin Iuga and Stelian Brad	Adoption of Artificial Intelligence in Romania: Innovative Policies to Overpass Vulnerabilities with TRIZ and Deep-Thinking Tools
		Tim Maurice Julitz, Tim Katzwinkel and Manuel Löwer	Using MBSE for conflict managing TRIZ on a systems engineering level
16:15-16:30		coffee break	
16:30-17:30	Session 7 Chair: Sebastian Koziołek	Tony Tanoyo and Jennifer Harlim	TRIZ Training Within a Continuous Improvement (Kai-zen) Event – Exploration and Evaluation
		Małgorzata Przymusiła	TRIZ Training in Pandemic Time
		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
		Abeda Muhammad Iqbal, Narayanan Kulathuramaiyer, Adnan Shahid Khan and Johari Abdullah	Analyzing the Role of Human Capital in Strengthening National Innovation System through University-Industry Research Collaboration: A TRIZ-Based Approach
17:30-18:15	Round Table	Moderator: Stelian Brad	ETRIA activities and visions
19:00-22:00		walk in the footsteps of Fryderyk Chopin and gala dinner	Der Elefant restaurant, Plac Bankowy 1 - transfer from/to conference venue by shuttle bus

Thursday 29.09.2022

08:30-09:00		registration	
09:00-10:00	Keynote 5	Victor Fey, GEN TRIZ LLC	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
		Hans-Gert Gräbe	Systems, Resources, and Systemic Development in TRIZ
		Vasilii Kaliteevskii, Matvei Bryksin and Leonid Chechurin	Integration of TRIZ methodologies into the digital product development process
		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
11:00-11:15		coffee break	
11:15-12:15	Session 9 Chair: Jarosław Arabas	Grzegorz Kuduk, Piotr Paika, 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
		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
		El Ghalya Laaroussi, Irhirane El Hassan and Badr Dakkak	Lean and TRIZ for improving the maintenance process
		Stelian Brad and Emil Ștetco	An Interactive Artificial Intelligence System for Inventive Problem-Solving
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
		Valery Korotchenya	Ideal Final Result for Agriculture: Striving for Sustainability
		Jochen Wessner	The Use of Publicly Available Image Search Engines to Find Solution Ideas
13:00-13:45	Meeting	Program Committee meeting	
13:00-14:00		lunch	BARAWINO winebar, Noakowskiego 16
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	