

# TRIZfest -2018 CONFERENCE PROGRAM

September 12, 2018

## Pre-Conference Tutorials:

09:00-12:00	Sergei Ikoenko: TRIZ for Patent Strategies.	Anatoly Guin: TRIZ-Pedagogy
13:00-16:00	Simon Litvin: Creative Imagination Development.	Sergey Faer: TRIZ for solving non-technical problems: "Method of Paradoxes"

September 13, 2018

## Registration

08:00-09:00	Welcome to TRIZfest-2018: Opening Ceremonies	
09:40-10:10	Keynote address: Jung-Hyeon Kim, Ph.D., TRIZ Master, Samsung Electronics, TRIZ at Samsung Electronics. Historical Overview and Case Studies.	

### TRACK 1

### TRACK 2

	Session #1. Chair:	Session #2. Chair:
10:10-10:30	<b>Identification and Utilization of the most Efficient Resources among those Available</b> Oleg Feygenson (Samsung Electronics, South Korea), Naum Feygenson (EN+, Russia)	<b>Identifying Key Problems and Conceptual Directions Using the Analytical Tools of Modern TRIZ</b> Oleg Y. Abramov (Algorithm Ltd, Russia), Stéphane Savelli (MP Solving, Belgium)
10:30-10:50	<b>The Fast Diagram for TRIZ</b> Hiltmann, Kai (Coburg Univ. Appl. Sc., Germany)	<b>A framework for using TRIZ to solve Additive Manufacturing challenges</b> Vinodh Mewani (GE, India), G. Nagashresha (GE, India)
10:50-11:10	<b>Automating TRIZ for Crowdsourcing Applications</b> Aleksi Ruin, (Belgium), Andrii Konovalenko, (Ukraine),	<b>The TRIZ Introduction at the Enterprises of the Group of Companies Basic Element</b> Sergey A. Yakovenko, et al (Basel, Russia)

## Refreshment Break

11:40-12:00	<b>Taking Human Factor out of Equation a Technical Remedy for a Managerial Challenge</b> Sergey Faer (Troubleshooting Academy, Russia), Mark Barkan (MATRIZ, USA)	<b>Research on Cultivation Mode of Consultants in TRIZ Methodology</b> Alp Lin (IWINTALL, PR China)
12:00-12:20	<b>Method of Paradoxes</b> Sergey Faer (Troubleshooting Academy, Russia), Mark Barkan (MATRIZ, USA)	<b>Study of Evolution Patterns of Display and TSP Technology</b> Minuk Kim* , Harksang Kim, Mijeong Songb, Kunwoo Baekb, Chang-Ryong Heoa, kyuhyun Choc, Hyeongsuk Yeob(Samsung Electronics, South Korea)
12:20-12:40	<b>TRIZ and Software Evolution</b> Luiz Carlos Guedes (IME - Instituto Militar de Engenharia, Brazil)	<b>TRIZ Approach to Internet of Things</b> Simon S. Litvin (GEN TRIZ, USA), Andrey Prokofiev (Algorithm Ltd, Russia)
12:40-13:00	<b>Indicating System Vulnerabilities within CECA Model</b> Jerzy Chrzyszcz (Institute of Computer Science, Warsaw University of Technology, Poland)	<b>SU-Field Analysis in Optics: Research and Practice</b> Pavel Fimin, Vladimir Rychagov (Algorithm Ltd, Russia)

## Lunch

14:00-15:00	Special Session: TRIZ-Pedagogy. Chair: Mark Barkan	Session #3. Chair:
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## Creativity Bowl

Joint session - moderated by Anatoly Guin and Mark Barkan

15:00-15:20	<b>TRIZ in Schoolproject Sensus</b> Annemieke Vermeijlen, Christoph Dobruskin, Hans Baaijens, Annemieke Vennix, Carla Upperman, Maritza Rovers (Van Maerlantlyceum, Philips Innovation Services, the Netherlands)	<b>Design for Innovative Hydraulic Valve Structure Based on TRIZ and Multi-Element Coupled Biometric Method</b> Zitong Zhao, He Xu, Haihang Wang, Liye Jiao, Vishwanath Pooneeth (College of Mechanical and Electrical Engineering, Harbin Engineering University, PR China)
15:20-15:40	<b>ROUNDTABLE: TRIZ:Pedagogy</b>	<b>Selecting and Validating Key Problems in TRIZ Projects</b> Arthur Lok (China Institute for Innovation, PR China)
15:40-16:00	<b>ROUNDTABLE: TRIZ:Pedagogy (Contd)</b>	<b>Research on Seismic Structure of High Pier Railway Bridge Based on TRIZ</b> Hu Lianjun, Yang Jizhong, Wei Yongxing, Zheng Xiaoyan, Yuan Zhigang (China Railway Eryuan Engineering Group Co. Ltd, PR China)
16:00-16:20	<b>ROUNDTABLE: TRIZ:Pedagogy (Contd)</b>	<b>Contradictions of User Interface (UI)</b> Valeriy Prushinskiy (Samsung Electronics, South Korea)

## Refreshment Break

16:40-17:40	<b>ROUNDTABLE: Introducing TRIZ in the industry and academia</b> What are the factors and a roadmap of introducing TRIZ in industry and academia. The issue here is the fact that the academia is reluctant to invest in a course, which provides a skill, not required by the industry. On the other hand, the industry doesn't demand something they don't know is available. The representatives from the academia and the industry are invited to provide their experiences and ideas.
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19:00-21:00	<b>Social Event: Reception and Cocktail Party - 8th floor of the hotel</b>
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<b>September 14, 2018</b>	
	<b>Session #4</b>
09:00-09:20	<b>Trends of Engineering System Evolution in Toy / Kids Industry</b> Jerzy Obojski (NOVISMO, Poland)
09:20-09:40	<b>Research on the Impact of TRIZ Innovation Method Training on Employee Innovation Performance</b> Gao Qingsong, Li Xiaoyan (Xiantang University, PR China)
09:40-10:00	<b>TRIZ as Design Frames in Philosophy education</b> Ruud Heesen (Varendonck College, the Netherlands), Christoph Dobruskin (Royal Philips, the Netherlands)
10:00-10:20	<b>A Theoretical Model and Roadmap for Applying TRIZ in an R&amp;D Organization</b> Arthur Lok (China Institute for Innovation, PR of China)
<b>10:20-10:40</b>	<b>Refreshment Break</b>
	<b>Session #5</b>
10:40-11:00	<b>TRIZ Modelling of X-Ray Phase Contrast System for Medical Applications</b> Tiziana Bertoncelli, Cristina Cozzini, Guido Kudielka, Oliver Mayer (GE Global Research, Germany)
11:00-11:20	<b>Application of TRIZ Methods for Alternatives on Cardiac Activity Detection in Magnetic Resonance Imaging</b> Guido Kudielka, Tiziana Bertoncelli, Oliver Mayer (GE Healthcare, GE Global Research, Germany)
11:20-11:40	<b>Contact Lens Technology Evolution - A Study of Correlation between Patents and TRIZ Trends</b> Indrajit Pande, Vinodh Mewani (GE, India)
	<b>JOINT SESSION</b>
11:40-13:00	<b>ROUNDTABLE: TRIZ in Industry</b>
<b>13:00-14:00</b>	<b>Lunch</b>
	<b>Session #6</b>
14:00-14:20	<b>Innovation Funnel of Modern TRIZ: Experimental Study to Show the Efficacy of the TRIZ-Assisted Stage-Gate Process</b> Oleg Y. Abramov, Sergey A. Markosov, Alexander V. Medvedev, Vladimir Y. Rychagov (Algorithm, Ltd, Russia)
14:20-14:40	<b>The Integration of TRIZ Methods with Eco-Design and Lean Design: A Literature Review and Future Research Directions to the Development of a New Model</b> Claudia Muiambo, Isabel M. João, Helena Navas (ISEL; CEG-IST; UNIDEMI; Portugal)
14:40-15:40	<b>ROUNDTABLE: MATRIZ Certification. Moderator: Sergei Ikoenko</b> <b>Issues of Methodology and training</b>
<b>15:40-16:00</b>	<b>Refreshment Break</b>
	<b>Session #7</b>
16:00-16:20	<b>TRIZ &amp; TOC Tool Innovation: Vibration Sensory (vs) Language for Deaf</b> José Roberto Espinoza Villarroel (Open TRIZ Second Wave Chile Spa, Chile)
16:20-16:40	<b>Feedback to Intermediate Steps in Practical Substance-Field Generation</b> Michael Schöwel (OSRAM GmbH, Germany)
16:40-17:00	<b>Design of Flexible Arm Based on BioTRIZ and Multi-Factor Coupled Bionic Tehcnology</b> Xueshan Zhou, He Xu, Peng Li, Wanda Zhao, Kundan Sharma, Haihang Wang (College of Mechanical and Electrical Engineering, Harbin Engineering University, PR China)
<b>19:00-22:00</b>	<b>Social Event: Conference Dinner</b>
<b>September 15, 2018</b>	
09:00-10:30	A Session of TMCC
<b>10:30-10:45</b>	<b>Refreshment Break (at the discretion of TMCC)</b>
10:45-13:00	A Session of TMCC
<b>13:00-14:00</b>	<b>Lunch</b>
14:00-16:30	<b>This time is left open for potential ROUNDTABLE discussions</b>
<b>16:30-17:00</b>	<b>Conference Closing</b>