Paper Title	Authors	Affiliation, 1st Author	Affiliations, co-authors (if different)
Research on Clip Improvement in Heavy Haul Railway Line Based on TRIZ	Hu Lianjun, Yang Jizhong, Zheng Xiaoyan, Yuan Zhigang	China Railway Eryuan Engineering Group Co. Ltd, Chengdu, Sichuan 610031, China	
TRIZ-based Innovative Concept Design of a Small Mobile Horizontal Axis Wind turbine	Thursday Emmanuel, Zhao xin Jun	Northeastern University School of Mechanical Engineering and Automation, Shenyang Liaoning, China	
Applying TRIZ Across Companies	Oliver Mayer, Tiziana Bertoncelli, Martha Gardner, Robert Adunka	GE Global Research, 85748 Garching, Germany	GE Global Research, 12309 Niskayuna, NY, USA; TRIZ Consulting Group GmbH, 92237 Sulzbach-Rosenberg, Germany
MyTRIZ Journey in Malaysia	Teong San Yeoh, Eng Hoo Tan	Malaysia TRIZ Innovation Association (MyTRIZ), Penang, 11900, Malaysia	Multimedia Development Corporation (MDeC), Kuala Lumpur, 47620, Malaysia
One Day at the Museum – Using a Museum as Resource for Teaching and Learning TRIZ	Christian M. Thurnes, Ikovenko S., Nähter S., Münzberg C., Tharmann R., Faller I., Lovich, A., Jantschgi J., Adunka R., Neumuth, T.	HS Kaiserslautern – OPINNOMETH, 66482 Zweibrücken, Germany	MATRIZ, Boston, United States of America; Continental Automotive GmbH, 01778 Geising, Germany; Institute of Product Development, 85748 Garching, Germany; Jantschgi C&R, 9400 Wolfsberg, Austria TRIZ Consulting Group GmbH, 92237 Sulzbach-Rosenberg, Germany; Innovation Center Computer Assisted Surgery (ICCAS), 04103 Leipzig, Germany
Simplification of System of Standard Solutions for TRIZ beginners using MAR Operator	TriZit Benjaboonyazit	Faculty of Engineering, Thai-Nichi Institute of Technology, 1771/1 Pattanakarn Rd., Suanluang, Bangkok 10250, Thailand	
Universal Unsolvable Problem and Process of Resolving It	Len Kaplan, SeHoon Cho, Eric Prévost	Samsung TechWin, Bundang, South Korea	TRIZ France, Paris, France
Advanced Function Approach in Modern TRIZ	Oleg Feygenson, Naum Feygenson	Samsung Electronics, Suwon, South Korea	
Identification of Conceptual Directions at the Initial Project Stage	Yury Fedosov, Pavel Sedykh	Algorithm, Ltd. 16, Ruzovskaya Street, St.-Petersburg, 190013, Russia	

A Simplified ARIZ Method of Fast Approximating Optimal Solution	Zhenyu Li, Hongda Wang, Dongyan Shi, Fankai Kong	College of Mechanical and Electrical Engineering, Harbin Engineering University, Harbin, 150001, China	Qinhuangdao Audio-visual Machinery Research Institute, Qinhuangdao, 066000, China
The Application of Bionics Combined with TRIZ Thinking in the Insulator Detecting Robot Design	He Xu, Baochao Zong, Wenlong Wang, Zhen Li, Peiyuan Wang	Harbin Engineering University, Harbin City, 150001, China	
Input VAT Recovery	Antoni Baszczeski	ASK Consulting, Warsaw, 04-906, Poland	
Research on TRIZ Integrated Affordance Analysis	Shi Dongyan, Ren Gaohui , Zhang Hong, Li Zhen	College of Mechanical and Engineering, Harbin Engineering University, Harbin 150001, China	
The Way to Define the Goal of Problems	Youshin Han, Ahreum Lee, S.A. Logvinov	LG Electronics, Seoul, Korea	
Approach to Knowledge Systematization	Victor D. Berdonosov, Elena V. Redkolis	Komsomolsk-on-Amur State Technical University, Komsomolsk-on-Amur, 681024, Russia	
Perspectives for Development of Automatized Enterprise Management Systems	Victor D. Berdonosov, Alena A. Zhivotova	Komsomolsk-on-Amur State Technical University, Komsomolsk-on-Amur, 681024, Russia	
In Situ Magnetizer with TRIZ	Tiziana Bertoncelli, Jan Hemmelmann, Alexander Fiseni, Oliver Mayer	GE Global Research, 85748 Garching bei München, Germany	
"Voice of Product" to Supplement "Voice of Customer"	Oleg Y. Abramov	Algorithm Ltd., 16 Ruzovskaya Street, St. Petersburg, 190013, Russia	
TRIZ-Based Cause and Effect Chain Analysis vs Root Cause Analysis	Oleg Y. Abramov	Algorithm Ltd., 16 Ruzovskaya Street, St. Petersburg, 190013, Russia	
Statisctic Study of an Alternative Way to Formulate a Pair of Engineering Contradictions So As to Seek for Solutions Which Satisfy the Contradictory Requirements of its Equivalent Physical Contradiction	Stéphane Savelli	MP Solving, Brussels, 1000, Belgium	
TRIZ used in iCPA, a Tech Startup	Joseph Patrick B. Roxas	University of the Philippines, Quezon City, 1104, Philippines	Movmento Inc., Pasig City, 1605, Philippines
A Products Planning Approach By TRIZ and Information Integration Method	Heikan Izumi, Manabu Sawaguchi	NIPPON BUNRI University, Ooita, 870-0252, Japan	WASEDA University, Tokyo, 169-8555, Japan

Development of Symbiotic Systems and Products	Valeriy Prushinskiy	Natural Innovations LLC, West Bloomfield, MI, USA	
TRIZ Systematic Innovation Framework and Program to Support a Government Link Company's Innovation Policy	Mohd Sufian Abdul Karim	College of Engineering Universiti Tenaga Nasional Jalan IKRAM-UNITEN, 43000, Kajang, Selangor, Malaysia	
A New Analysis Model -- SAFC Model	Mike Min Zhao, Wucheng Zhang	TRIZ Research Council of China Association of Inventions, Beijing, 100120, China	Research Center for Technological Innovation, Tsinghua University, Beijing 100084, China
TRIZ, Qualimetry and Marketing: Three Different Approaches to Measuring the Competitive Ability of the Future Products	Alexander Priven, Garry Azgaldov, Alexander Kostin, Alexander Kynin, Yuri Danilovsky	Corning Korea, Seoul, 135-984, Korea	Central Economics and Mathematics Institute RAS, Moscow, 117418, Russia
Network Analysis of TRIZ Principles and Contradiction Maps to Recommend Research Orientation and Patent Strategy	Vinodh Mewani, Anand Biswas, Srikanth Tadepalli	Patents and Analytics Center of Excellence, GE Global Research, Bangalore, 560066, India	Cyient Insights, Hyderabad, 500032, India
Trend of Transition of Engineering Systems to Microlevel Today and Tomorrow	Yury Danilovsky, Sergey Ikovenko, Rajesh Menon	QM&E, Gen 3 Korea (Suwon, Korea)	MIT Boston, USA; GILBARCO USA - Coimbatore, India
Applying System Thinking in Evolutionary Trends	Arthur Lok	China Institute for Innovation. Room 605, Shangkai Annexe Building, 1199 Kunming Rd, Shanghai, 200433, P.R.China	
Evolution of Electric Vehicles - a TRIZ Based Approach	G Nagashiresha, Vinodh Mewani	Patents and Analytics Center of Excellence, GE Global Research, Bangalore-560066, India	
Numerical Construction of S-Curves Using the TRIZ tool of Trends of Engineering System Evolution (TESE)	Anand Biswas, Vinodh Mewani, Srikanth Tadepalli	Patents and Analytics Center of Excellence, GE Global Research, Bangalore, 560066, India	Cyient Insights, Hyderabad, 500032, India
Teaching, Learning and Applying TRIZ at University	Issac Lim Sing Sheng	Monash University Malaysia, Sunway, 47500, Malaysia	
Applications of Purpose Axis as a part of Multi Screen Thinking	Yoon Hong-yul	TRIZ Center, Seoul, 120-771, South Korea	

Redesigning the Way Future Engineers Learn to Solve Inventive Problems	Aisha Mahmood, Zulhasni Abdul Rahim, Muhammad Mansoor and Mariam Altaf Tarar	Namal College/Department of Electrical Engineering, Assistant Professor, Mianwali, Pakistan	Proton Holding Berhad/Transformation Office, Selangor, Malaysia; Universiti Putra Malaysia/CAPER, Faculty of Engineering, Selangor, Malaysia; University of Nottingham/Department of Mechanical, Materials and Manufacturing Engineering, Kuala Lumpur, Malaysia
The New Approach to Problem-Solving Algorithm	Sang-Ha Kim, Gwang-Seob Shin, Sang-Il Lee, Hak-Shon Han, Min-Soo Shin, Hyun-Soo Ahn	Research & Development Division, Hyundai Motor Group, Hwaseong, Korea	R&BD PARTNERS, Gangnam, S. Korea
Creativity and Innovation Process	Mark Barkan	The international TRIZ Association, MATRIZ, Knoxville, TN, USA	
Systematic Business Innovation: a Roadmap	Valeri Souchkov	ICG Training & Consulting, Enschede, The Netherlands	
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