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Please note that all underlined text in this document includes web links and is clickable.

CLASSROOM PUBLIC CERTIFICATION TRAINING WORKSHOPS IN 2019



For those who prefer classroom training, the following public certification training workshops are scheduled till the end of 2019:

- **Level 1 TRIZ for Technology and Engineering, 3 days:**
- September 25-27, 2019, Utrecht, The Netherlands
- **Level 1 TRIZ for Business and Management, 3 days:**
- May 14-16, 2019, Stockholm, Sweden
- October 22-24, 2019, Utrecht, The Netherlands
- **Level 2 TRIZ for Technology and Engineering, 5 days:**
- March 11-15, 2019, Utrecht, The Netherlands
- November 18-22, 2019, Utrecht, The Netherlands
- **Level 2 TRIZ for Business and Management, 5 days :**
- June 3-7, 2019, Utrecht, The Netherlands
- November 4-8, 2019, Utrecht, The Netherlands
- **Levels 1+2 TRIZ Fundamentals, two weeks:**
- July 8-19, 2019, Enschede, The Netherlands

More information on each course and registration:
www.xtriz.com/Training/courses_and_agenda.htm

Please note that additional public training dates both in the Netherlands and other countries can be added during 2019.

ONLINE TRIZ TRAINING UPDATED



TRIZ and Systematic Innovation Distant Training

Different courses on TRIZ and Systematic Innovation are delivered online in the distant mode throughout the entire year. This year several courses have been updated to include new developments and new cases.

For more information and registration please visit:

http://www.xtriz.com/Training/online_training.htm

INTERNATIONAL TRIZ EVENTS IN 2019



The following international events related to TRIZ and Systematic Innovation will be held in 2019:

- April 13-14, 2019: Baku, Azerbaijan:
[TRIZ Workshop and Meetup 2019](#)
- May 22-24, 2019: West Lafayette, IN, USA
[TRIZCON 2019](#)
Call for abstracts is open till February 28, 2019
- June 14-15, 2019: Minsk, Belarus
[The International Conference on TRIZ for Business and Management \(within TRIZ Developers Summit 2019\)](#)
- July 8-11, 2019, Liverpool, UK:
[The 10th International Conference on Systematic Innovation](#)
Call for abstracts is open till April 10, 2019
- September 5-6, 2019, Tokyo, Japan:
[The 15th TRIZ Symposium 2019 in Japan](#)
Call for papers is open
- September 11-14, 2019, Heilbronn, Germany:
[The 15th MATRIZ International Conference TRIZfest 2019](#)
Call for papers is open till March 31, 2019
- October 7-9, 2019, Marrakesh, Morocco:
[The 19th TRIA Global Conference TRIZ Future 2019](#)
- November 15, 2019, Pune, India:
[TRIZ for X 2019: TRIZ for Business and Services](#)

This year I will co-chair and provide tutorials at the following conferences: **TRIZ for Business and Management** in Belarus, **TRIZfest 2019** in Germany and **TRIZ for X 2019** in India, as well as present at **TRIZ Workshop and Meetup** in Azerbaijan.

NEW EVENT: TRIZ FOR BUSINESS AND MANAGEMENT



Finally, it was decided to bring together those who are interested in or already have been applying TRIZ for business and management innovation. Although this branch of TRIZ originated about 20 years ago, its use has been rather limited. One of the major reasons is that engineers and business people speak different languages and see the world differently, and attempts to directly apply classical TRIZ to help with innovative business issues and challenges rarely led to successful results. However, emergence of universal TRIZ tools as well as ongoing adaptation of the existing tools provide positive impact on the situation. The 2-day meeting will be organized within the forthcoming annual conference “TRIZ Developers Summit 2019” which will be held on June 13-15, 2019 in Minsk, Belarus. The section “TRIZ for Business and Management” on June 14-15 will be provided with parallel English/Russian translation service. Everybody who would like to learn about the current state of the art of “Business TRIZ” and network with the users and developers of Business TRIZ is highly welcome to participate. The advantage of gathering in Minsk is that visitors from over 100 countries can visit Minsk visa-free for 30 days provided they travel through Minsk International Airport. The event is sponsored, so the entry ticket’s price is very affordable. More information: <http://www.triz-event.com/2019BusinessTRIZ/index.htm> or contact us for more details at info@xtriz.com

NEW PAPERS BY US



Map of Modern TRIZ

by Valeri Souchkov

Is TRIZ complex? How big it is? What are its parts? The paper presents a “knowledge map” of modern TRIZ which is based on an attempt to structure the current body of TRIZ knowledge to show which parts TRIZ consists of today and what categories they belong to. The paper is short, most important is the picture with the map.

<http://www.xtriz.com/publications/ValeriSouchkov-Map-of-Modern-TRIZ.htm>



TRIZ: Theory of Solving Inventive Problems to support engineering innovation in maritime industry

By Valeri Souchkov

Published in Scientific Journals of the Maritime University of Szczecin, no. 55 2018

Although TRIZ has been successfully used in quite a number of industries, its use in maritime industry has been rather limited, most likely due to the low degree of awareness about the method and its tools by maritime engineers. This paper discusses modern TRIZ and presents some of its techniques that can be broadly utilized in maritime engineering.

<http://repository.am.szczecin.pl/handle/123456789/2496>

PERSONAL BIBLIOGRAPHY UPDATE

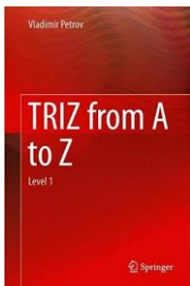


Bibliography of TRIZ Related Publications by Valeri Souchkov

Last summer I posted a list of references to my selected publications related to TRIZ and Systematic Innovation, mostly in journals and conference proceedings. It also provides open access to publications unless there is copyrights infringement. This year more links to the texts of the papers were added.

The bibliography is available at: www.xtriz.com/publications

NEW BOOKS ON TRIZ AND SYSTEMATIC INNOVATION



TRIZ. Theory of Inventive Problem Solving: Level 1

Vladimir Petrov
Springer, 2019, 215 p., ISBN: 978-3030042530

The author of the book, one of the co-developers of TRIZ and a former student of G. Altshuller, presents introduction to TRIZ: its core concepts, ideas, fundamentals as well as TRIZ basic tools which can be directly put to practice by TRIZ beginners. The book is the first publication in the series “TRIZ: from A to Z”. Please note that “Level 1” in the title of the book represents the author’s own vision and does not fully match certification levels introduced by other TRIZ-related organizations. Nevertheless, it can be highly recommended to anyone who would like to start with TRIZ.

<https://www.amazon.com/TRIZ-Theory-Inventive-Problem-Solving/dp/3030042537/>



Advances and Impacts of the Theory of Inventive Problem Solving: The TRIZ Methodology, Tools and Case Studies

Editors: Sebastian Koziolok, Leonid Chechurin, Mikael Collan
Springer, 1st ed. 2018, 242 pages, ISBN: 978-3319965314

The chapters in the book reflect an international mix of new ideas on TRIZ and knowledge-based innovation, highlight recent advances in the TRIZ community, and provide examples of successful collaboration between industry and academia. The book first introduces the reader to recent methodological innovations, then provides an overview of established and new TRIZ tools, followed by a collection of case studies and examples of TRIZ implementation in various scientific and social contexts.

<https://www.amazon.com/Advances-Impacts-Inventive-Problem-Solving-ebook/dp/B07FT874Y7>

FULL LIST OF ENGLISH-LANGUAGE TRIZ BOOKS



Complete Bibliography of TRIZ Books Published in English

A reminder that the full list of books on TRIZ published in English is available and is continuously updated on this link:

<http://www.xtriz.com/publications/trizbooksenglish.htm>

In case you notice that some title is missing, please let us know by mailing to info@xtriz.com

PAPERS FROM RECENT TRIZ EVENTS AND CONFERENCES



Proceedings of the 14th International Conference TRIZfest 2018

Proceedings of the 14th International Conference TRIZfest 2018. September 13-15, Lisbon, Portugal.

Oliver Mayer (editor). The International TRIZ Association - MATRIZ. 2018. 315p. ISBN: 978-0942442953

Free access to all papers is available in a single PDF file:

<https://matriz.org/wp-content/uploads/2019/01/TRIZfest-2018-Proceedings.pdf>

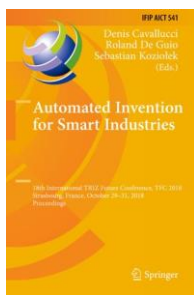


Papers presented at TRIZ Future 2018 Conference

The papers presented at the 18th International TRIZ Future Conference, October 29-31, 2018, Strasbourg, France, are split to two sections: professional and scientific.

The first collection presents 29 industrial and practitioner papers including some presentations. Full texts of the papers are freely accessible at:

<https://tfc2018.fr/professional-papers/>



A collection of abstracts including some presentation of 27 scientific papers is available at:

<https://tfc2018.fr/scientific-papers/>

Full texts of papers are included to the volume “Automated Invention for Smart Industries” published by Springer, and are only available at Springer:

<https://link.springer.com/book/10.1007/978-3-030-02456-7>



Abstracts of presentations at the 14th Japan TRIZ Symposium 2018

Collection of abstracts of presentations is available in a PDF file:

http://www.triz-japan.org/PROGRAM&ABSTRACT/2018abstract_e.pdf

MORE NEWS



- **Report on TRIZfest 2018 Conference** in Lisbon, Portugal: <https://matriz.org/wp-content/uploads/2018/10/Report-on-MATRIZ-Conference-TRIZfest-2018.pdf>



During the next conference in Heilbronn, Germany (September 11-14, 2019), the MATRIZ Congress and new elections of MATRIZ Board and MATRIZ President will take place.

- **Video impressions of TRIZ Future 2018 Conference** in Strasbourg, France: <https://tfc2018.fr/tfc2018-overview/>



Next ETRIA Conference will be held on October 9-11, 2019 in Marrakesh, Morocco.

- **On November 30, 2018, I participated at the conference “TRIZ for X 2018”**, which was conducted in Pune, India within Innovation Week organized annually by TRIZ Association of Asia. The conference gathered about 140 TRIZ enthusiasts and users from all parts of the country. This time I spoke about new developments in the area of TRIZ for Business and Management related to studying S-curve of evolution of business systems and the trend of transition to supersystem. The pre- and post- conference days was accompanied by tutorials provided by TRIZ Masters Oleg Feygenson and Alex Lyubomirsky which attracted 50-60 participants each. Next TRIZ for X conference is scheduled for November 15, 2019 in Pune, India.



- **On December 1, 2018 I presented a keynote at the conference “Agile NRC 2018”** in New Delhi, India in front of over 250 Agile specialists. Both Agile and TRIZ target at considerable acceleration of new products development process. Agile focuses on the managing the entire process while TRIZ helps with managing the contextual phases of the development where new ideas and intellectual property are created and problems are solved. Therefore, the both approaches seem to be complementary, and finding intersections can enhance both the process and its quality. While Agile has already a relatively long track in the development of IT, recently it started to be adopted by other product development industries as well.

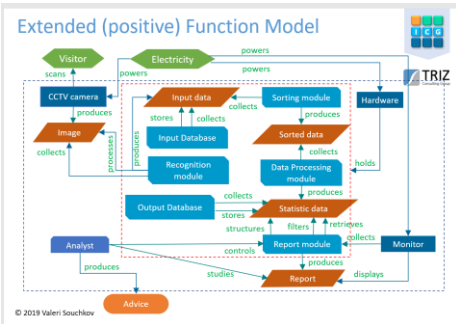
TRIZ plus Agile: Benefits AgileNCR 2018

- Further acceleration of development of new innovative concepts.
- Acceleration of problem analysis process through better structuring and applying TRIZ tools.
- Rapid solving of emerging problems.
- Accelerated development of the first prototype.
- Enhanced evaluation of results by understanding deep evolution trends.
- Reduced risk of new product failures.

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- **During TRIZ Expert Days** in Sulzbach-Rosenberg, Germany, which went on February 7-8, 2019, I presented my vision of “Extended Function Analysis”: a proposal for update of one most widely used tools of TRIZ. The event gathered over 40 German-speaking TRIZ users who already have experience with TRIZ. Main topic of the event was discussion of further improvement of TRIZ-based Function Analysis. For example, the classic version of TRIZ-based Function Analysis is extremely useful to identify and clarify functionality of technical systems, discover innovation potential and perform innovative cost reduction. Yet, developed over 30 years ago, this classic version of the tool has not been well adapted to deal with systems that include “intelligent” and non-material components, such as IT and business systems. Several new additions which were suggested might help to extend TRIZ-based Function Analysis to working with a broader range of systems. Other presentations focused on time modeling and improvement of modeling electronic systems.

More information on the event (in German): <https://www.triz-consulting.de/2-triz-expertentag-viele-teilnehmer-trotz-eisregen/>



- **During 2017-2019, a series of public TRIZ training workshops** were delivered by me in Stockholm, Sweden where participants of dozens of Swedish organizations were trained and certified. As a result, the main organizer of these workshops – RISE (Research Institutes of Sweden, a government owned organization with 2500 employed R&D professionals from diverse areas of science and technology, www.ri.se) has decided that it is time to establish a professional network of TRIZ users in the country and even beyond – a Scandinavia TRIZ user group. The first open networking meeting is scheduled for September 4, 2019 in Stockholm. For more details please contact us.
- **Announce: TRIZ Review**, a new journal has been launched by MATRIZ, The International TRIZ Association. I joined the Editorial Board of the journal. The prime issue will be published soon. It will include English translation of the first ever paper on TRIZ by G. Altshuller and R. Shapiro, *The Psychology of Inventive Creativity*, as well as a collection of selected papers from past TRIZfest conferences to expose the diversity of modern TRIZ.



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Publications resource: <http://www.xtriz.com/publications.htm>

Prepared by Valeri Souchkov, February 2019

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The LinkedIn xTRIZ group is available at:

<http://www.linkedin.com/groups?gid=4485435>

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