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- Forthcoming classroom TRIZ training and certification in the rest of 2018.
- Forthcoming international TRIZ events in the rest of 2018.
- New videos: Introduction to Root Conflict Analysis (RCA+); the use of TRIZ in the development of Philips Airfryer; TRIZ for Business and Management.
- A complete list of books on TRIZ published in English.
- Personal bibliography updated.
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- Proceedings of TRIZ conferences: TRIZfest 2017, TRIZ Future 2017.
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FORTHCOMING CLASSROOM CERTIFICATION TRAINING WORKSHOPS IN 2018



Our TRIZ courses are delivered in classical classroom format as well as in the distant mode online. For those who prefer classroom training, the following public certification training workshops are scheduled till the end of 2018. Seats are still available, please register or contact us to discuss details:

- **Level 1 TRIZ for Technology and Engineering, 3 days:**
 - September 26-28, 2018, Utrecht, The Netherlands
 - October 16-18, 2018, Stockholm, Sweden
- **Level 1 TRIZ for Business and Management, 3 days:**
 - October 10-12, 2018, Utrecht, The Netherlands
- **Level 2 TRIZ for Technology and Engineering, 5 days:**
 - November 19-23, 2018, Utrecht, The Netherlands
- **Level 2 TRIZ for Business and Management, 5 days :**
 - December 3-7, 2018, Pune, India.

More information on each course and registration:

www.xtriz.com/Training/courses_and_agenda.htm

Agenda of courses for 2019 will be available at the end of October, 2018.

NEWS: ONLINE TRAINING



TRIZ and Systematic Innovation Distant Training

Different courses on TRIZ and Systematic Innovation are delivered online in the distant mode throughout the entire year.

For more information and registration please visit:

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

FORTHCOMING INTERNATIONAL TRIZ EVENTS IN 2018



A number of international events will be held till the end of 2018. Among them are:

- September 13-14, 2018, Tokyo, Japan:
[The 14th TRIZ Symposium 2018 in Japan](#)
- September 13-15, 2018, Lisbon, Portugal:
[The 14th MATRIZ International Conference TRIZfest 2018](#)
- October 29-31, 2018, Strasbourg, France:
[The 18th TRIA Global Conference "TRIZ Future 2018"](#)
- November 30, 2018, Pune, India:
[TRIZ for X 2018](#)

At the **TRIZ for X 2018** conference in Pune, India I will chair a special section dedicated to cases presenting the use of TRIZ in business and management.

NEW VIDEOS



Video: Introduction to Root Conflict Analysis (RCA+)

By Valeri Souchkov

One-hour detailed video introduction to the latest update of Root Conflict Analysis (RCA+) technique. RCA+ is a tool designed to analyze innovative problems, extract causes and conflicts which create barriers to find solutions desired. Video presents the approach and illustrates its use by examples in both engineering and technology.

<https://youtu.be/1szpEjBTS04>



The Development of the Philips Airfryer with TRIZ

By Philips

The title of the presentation is "TRIZ or How we learned to stop worrying and love the conflict". It was presented on the TRIZ-Day 2017 in Villach (Austria) by Martina Unseld and Roland Waldner. The presentation is held in German, but the text on the slides is English.

<https://youtu.be/7wrwlkqaAfk>



TRIZ for Business and Management

By Valeri Souchkov

Why and how TRIZ works in the area of business and management problem solving and innovation? "TRIZ for Business and Management" presentation by Valeri Souchkov at TRIZ for X Conference in Pune, India. November 2017 answers these questions.

<https://youtu.be/P94rhHeNB0I>

COMPLETE LIST OF TRIZ BOOKS PUBLISHED IN ENGLISH



Full Bibliography of TRIZ Books Published in English

TRIZ users and students often ask about a full bibliography of TRIZ books published in English. Unfortunately, the lists of titles available online are either outdated or a bit too far from being complete. So we made an attempt to create and maintain such a complete bibliography. Currently, the list includes 84 book titles and 21 conference proceedings.

Link to the list : <http://www.xtriz.com/publications/trizbooksenglish.htm>

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

BIBLIOGRAPHY UPDATE

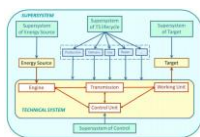


Bibliography of TRIZ Related Publications by Valeri Souchkov

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 if there is no copyrights infringement. This year more links to the texts of the papers were added.

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

NEW PAPERS FROM US



The Law of Supersystem Development

by Valeri Souchkov

The paper introduces the Law of Supersystem Completeness and explains reasons of why it was proposed. This law belongs to the category of Laws of Static originally developed by the founder of TRIZ G. Altshuller. Main purpose of introducing the law is to provide formal background for further development of criteria which would help to identify potential mismatch between a technical system and its supersystem due to unavailability or immaturity of supersystem components which are required to ensure not only successful operation of a technical system and proper execution of its functions but its success on the market as well.

http://www.xtriz.com/publications/Souchkov_TheLawSupersystemCompleteness_TRIZfest2017.pdf



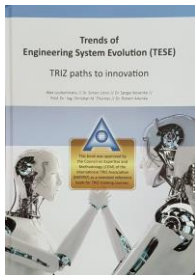
Online TRIZ Training: Experience with Development and Delivery

By Valeri Souchkov

The paper presents an overview of distant online TRIZ training introduced by the author in 2012, and summarizes experience and results based on training students with different backgrounds who represent various customer segments: from university students to top managers of large industrial companies. The paper presents some statistical data related to the courses taken, geography of students, and students occupations. Finally, the advantages and disadvantages of online TRIZ training are discussed.

http://www.xtriz.com/publications/Souchkov_OnlineTRIZTraining_TRIZfest2017.pdf

NEW BOOKS IN ENGLISH



Trends of Engineering Systems Evolution: TRIZ Paths to Innovation

Alex Lyubomirskiy, Simon Litvin, Sergei Ikovenko, Christian Thurnes, Robert Adunka

TRIZ Consulting Group, 126 p., ISBN 978-3000598463

While there are hundreds of English-language books on TRIZ available today, it has always been a problem to find a book dedicated to a specific TRIZ subject or a tool. Specifically when it concerns another biggest area of the TRIZ studies in addition to extracting, formulating and solving specific inventive problems - the trends of innovative technical (engineering) systems development - often called the "Trends of Engineering Systems Evolution" (TESE).

Although some very good books on the subject are available, they are still in Russian. Finally, a group of authors have introduced such a book in English: "Trends of Engineering Systems Evolution: TRIZ Paths to Innovation". No doubt, the book could be of interest to not only TRIZ specialists but to any engineer and professional who is willing to understand why products and technologies evolve not randomly, but systematically, and capture this knowledge to invent future products and technologies.

The book complies with the Knowledge Standards requirements of MATRIZ for Level 3 certification, thus the book can serve as a valuable study reference if one is willing to be update his or her MATRIZ certification degree.

<https://www.amazon.de/Trends-Engineering-System-Evolution-TESE/dp/3000598464>



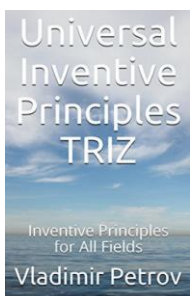
Business Matrix 3.0

Darrell Mann

IFR Consultants, 2018, 214 p., ISBN 978-1912670000

Business Matrix 3.0 is the latest version of famous TRIZ Contradiction Matrix originally developed by Genrich Altshuller but later adapted to solving business and management contradictions. This new version of the matrix includes 45 business features (parameters). The book presents descriptions and illustrations for each principle.

<http://store.systematic-innovation.com/business-matrix-3-0/>



Universal Inventive Principles TRIZ: Inventive Principles for All Fields

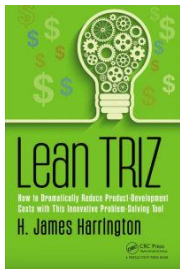
Vladimir Petrov

Amazon Digital Services LLC, 2018. 226 p. ASIN: B07CRRY99N

The author undertook attempt to make 40 Inventive Principles more universal. He claims that they may be used in fields such as IT and in any other areas. A general rule for changing principle titles and sub-principle formulations was adopted: the principles must perform the same functions as original principles formulated by Altshuller.

At this moment the book is only available in digital Kindle format.

<https://www.amazon.com/Universal-Inventive-Principles-TRIZ-Fields-ebook/dp/B07CRRY99N>



Lean TRIZ: How to Dramatically Reduce Product-Development Costs with This Innovative Problem-Solving Tool

H. James Harrington
CRC Press, 2017, 198p.

The author offers "Lean TRIZ": a new workshop-based process that brings together teams to focus on specific processes, evolutionary product designs, and improvement opportunities. It combines the insight of TRIZ with the simplicity of Value Engineering, EXPRESS, or FAST methodologies.

www.crcpress.com/Lean-TRIZ-How-to-Dramatically-Reduce-Product-Development-Costs-with-This/Harrington/p/book/9781138216778



Glossary of TRIZ and TRIZ-related Terms: Update

Valeri Souchkov
MATRIZ 2018 (2014)

The glossary has been updated: several new terms added, some errors corrected.

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

TRIZ CONFERENCE PROCEEDINGS



Proceedings of the 13th International Conference TRIZfest 2017

Proceedings of the 13th International Conference TRIZfest 2017. September 14-16, Krakow, Poland.

Valeri Souchkov (editor)

The International TRIZ Association - MATRIZ. 2017. 600p. ISBN: 9780692951583

The book includes texts of 62 research and practitioner papers presented at the conference.

Full text is freely available: <http://triz-event.com/TRIZfestProceedings2017.htm>



Selected papers presented at TRIZ Future 2017 Conference

Selected papers presented at the 17th International TRIZ Future Conference, October 4-6, 2017, Lappeenranta, Finland.

Journal of the European TRIZ Association INNOVATOR, 02/2017, Volume 04, 194 p. ISSN 1866-4180

The collection presents 19 industrial and practitioner papers presented at the conference. Other papers will be presented in scientific publications.

Freely available: <http://www.etria.eu/innovator/ETRIAJournal2017vol04.pdf>

OTHER NEWS



- Overview of TRIZfest 2017 Conference: <https://www.linkedin.com/pulse/trizfest-2017-success-krakow-valeri-souchkov/>
- Report on the German TRIZ Practitioner Day 2018, which was organized by “Bayern Innovativ” and the chamber of commerce of Heilbronn-Franken and included 120 participants: https://matriz.org/wp-content/uploads/2018/07/180724_Report-TRIZ-PractitionerDay2018_v2.pdf
- For those who want to learn what is happening with TRIZ in Japan: Abstracts of presentations at the 13th Japan TRIZ Symposium: http://www.triz-japan.org/PROGRAM&ABSTRACT/2017abstract_e.pdf

xTRIZ LinkedIn Group



The LinkedIn xTRIZ group is available at:
<http://www.linkedin.com/groups?gid=4485435>
To join, please request a membership.

ICG T&C [Newsletter Archive](#)

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

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