■ World WTSP Catalogs -- (C0P) World Around-TRIZ Sites Top Catalgog (◎) for Print

World WTSP Catalogs:
(C0P) World Around-TRIZ Sites Top Catalog　(◎)　for Print

Current Active Version: Started: Jun. 10, 2020

Editor: Toru Nakagawa (OGU, Project Leader)

Catalog setting: Toru Nakagawa　Jun. 10, 2020

Posted: Jun. 15, 2020

■ Editor's Note (Toru Nakagawa, Jun. 10, 2020)

This is one of the two Top Catalogs of the World TRIZ-related Sites Catalogs built by the WTSP Project. The volunteer project, WTSP (World TRIZ-related Sites Project) _Engl_, aims to build reliable catalogs of Web sites in the world in the fields related to creative problem solving methodologies in a wider sense. The project started in the community of TRIZ ('Theory of Inventive Problem Solving'), which is a systematic methodology for creative/innovative probelm solving, established in Russia in 1970s and now used widely all over the world. Thus we built the World TRIZ Sites Catalogs first (see: (A0P) World TRIZ Sites Top Catalog (◎) for Print _Engl_ _E pdf_).

We also built the World Around-TRIZ Sites Catalogs, whose top level catalog is this (C0P) World Around-TRIZ Sites Top Catalog (◎)　for Print _Engl_). 'Around-TRIZ' is a peculiar word, we agree, but we use it temporarily until we find a better naming of the wide range of fields of our scope. We know that TRIZ is a powerful methodology among many (maybe hundreds of) methods/methodologies for thinking creatively, for solving problems creatively, for achieving inventions/innovations, etc.   We want to have a wider scope and apply various useful method/methodologies in integrated/collaborative ways. We have made intensive Internet surveys with the keywordes of (a) Creative Thinking Method, (b) Creative/innovative/systematic Problem Solving, (c) Innovation Process/strategy/method/management, (d) Quality/value/cost/productivity Engineering/management, (e) Patent Analysis/mapping/strategy, etc.

The Internet surveys _Engl_ gave us about 1000 sites in total. Nakagawa visited all the sites one by one, reading their top pages and some more to understand the nature, structure, main contents, etc., and wrote brief introductions and evaluated them (tentatively) into 5 levels. Thus we obtained: 36 ◎ Most important sites (about top 30), 137 ○ Important sites (about top 100), 358 □ Worthy sites in the World Catalogs, 187 △ Worthy sites in the Country Catalogs, and 256 ─ Irrelevant/Insignificant sites (Total: 974 sites; note possibilities of various overlaps).

The WTSP Catalog system _Engl_ is composed basically of unit pairs of an Index of many individual sites and a Site-description file of them, where each site in the Index is connected with a hyperlink to the site description. Then various types of World WTSP Indexes are made by integrating those Indexes and classifying and rearranging all the sites according their evaluations, roles of sites, etc. Since the hyperlinks are flexible, the original Site-description files are not changed at all. Thus the WTSP Catalog system is easy to build and enhance further in a stable manner.

We have already reported and publicly posted (C0) World Around-TRIZ Top Catalog (◎) and (C) World Around-TRIZ Basic Catalog (◎○) (Oct. 2019 Edition) _Engl_ . Users use the World Indexes on PCs and read site descriptions by clicking the hyperlinks. Now we post the (C0P) Catalog for Print, where the individual descriptions of sites are merged in the (C0) Index for ready to read and print (in PDF). The PDF file _E pdf_ has active hyperlinks which work just like in the Web page.

In the present page, the top table is the (C0) World Around-TRIZ Sites Index (◎) , in a slightly simplified form. All the ◎   (Most important) sites are listed, arranged according to the Roles of sites (See _Engl_ in detail). Clicking the Site Code (in the left-end column), you can jump to the description of the site (in the present page). The site descriptions (of non-TRIZ sites) are written by Nakagawa, mostly excerpting from the top pages, 'About us' pages, and some more main pages. Closer descriptions of sites you can find for the cases of TRIZ sites (10 of 23 sites in (A0P) Catalog are shown); See the case of JP-01 (TRIZ Home Page in Japan (Toru Nakagawa) _E_).

What do you find about the WTSP Catalogs ? Please feedback your impressions, comments, suggestions, etc. to the Project Leader, at nakagawa@ogu.ac.jp.

Our own evaluation is written in the file attached here _Engl_ _E pdf_ . We wish to enhance the WTSP Catalogs (both of TRIZ sites and of Around-TRIZ sites) by voluntary cooperation of many people working in the wide range of

fields. We sincerely hope your understanding, support, and contributions to the WTSP Project/Catalogs.   We are happy to be able to cite a message from Dr. Bill Fowlkes Engl :

> To the World TRIZ-related Sites Project (WTSP) Global Co-editors:
>
> I welcome the work you are doing to collect, organize, describe and link to the many internet sites that are of interest to students and practitioners of innovative methods such as TRIZ.
>
> I have created a new bookmark folder with links to the WTSP Catalogs of TRIZ sites and the WTSP Catalogs of AROUND-TRIZ sites, and I expect that I will be referring to them frequently.
>
> The aggregation of these sites is much better than trying to find the data with a Google search, because the information is curated and brief descriptions are provided.
>
> I encourage TRIZ providers and other content creators working in TRIZ related fields to participate in this project and make the World TRIZ-related Sites Project the best it can possibly be.
>
> Dr. William Y. Fowlkes   Oct. 30, 2019
> VP, Analytics and Workflow Solutions| IP.com

Note (TN, Jun. 15, 2020):

(C0) World Around-TRIZ Sites Top Index (◎)   Engl
（C0P)　World Around-TRIZ Sites Top Catalog (◎)　for Print ==>   Engl E PDF
(C2) World Around-TRIZ Sites Basic Index (◎○)   Engl

Top of this page	(C0) Top Index (◎)	(C0P) Top	(a) Info Sending	(b) Promotor	(c) Public	(d) Academia	(e) Developer	(e5) Training	(f) Publishing	(g) Info sharing	(h) User	(i) Personal		

■ World WTSP Catalogs -- （C0P) World Around-TRIZ Sites Top Catalog (◎)   Index

Jun. 10, 2020, Toru Nakagawa （Current Active Version) = version Jun. 10, 2020

Site code	Eval	Site Name / Site domain URL	Site Location	Site Language	Role of site	Single-line Description
TN3B-05	◎	TED Ideas Worth Spreading https://www.ted.com/	USA	en	(a1) Dedicated for information sending, (a2) Public Web site, (g3) Knowledge sharing	
TN3D-04	◎	Project Smart https://www.projectsmart.co.uk/	UK	en	(a1) Dedicated for information sending, (a2) Public Web site, (g3) Knowledge sharing	
TN3D-07	◎	iSixSigma https://www.isixsigma.com/	USA	en	(a1) Dedicated for information sending, (a2) Public Web site, (g3) Knowledge sharing,	
TN2A-38	◎	12Manage https://www.12manage.com/	Netherlands	en, and 12 languages	(a1) Dedicated for information sending, (a2) Public Web site, (g3) Knowledge sharing, (g5) Term dictionaries, (e7) Networking/matching organizations	

ID	Rating	Site	Country	Language	Categories	Notes
RUL-01	◎	The official foundation of G.S. Altshuller https://www.altshuller.ru (Russian) https://www.altshuller.ru/world/eng/index.asp (English)	Ru	Ru, En	(a1) Dedicated for information sending, (e1) Method developers, (f3) Repository, (g3) Knowledge sharing	Creating a reference point (standard) for people who want to independently get acquainted with classical TRIZ; providing undistorted (and sometimes little-known) works of Genrikh Saulovich Altshuller (1926-1998) for users and developers of the theory.
TN2F-06	◎	TRIZ Power Tools (OpenSourceTRIZ.com) https://www.opensourcetriz.com/	USA	en, many in automatic translation	(a1) Dedicated for information sending, (e1) Method developers, (g3) Knowledge sharing	
TN3D-05	◎	Value Based Management.net https://www.valuebasedmanagement.net/	Netherlands	en	(a1) Dedicated for information sending, (g3) Knowledge sharing,	
TN3E-01	◎	ipHandbook http://www.iphandbook.org/	USA	en	(a1) Dedicated for information sending, (g3) Knowledge sharing, (f8) Handbook, (e5) Training organizations	
TN3B-01	◎○	Free Management Library https://managementhelp.org/	USA	en	(a1) Dedicated for information sending, (e1) Method developers, (g3) Knowledge sharing	
TN2A-04	◎	TJ (The TRIZ Journal) https://triz-journal.com/	USA	en	(a2) Public Web sites, (a1) Dedicated infromation sending	
JP-01	◎	TRIZ Home Page in Japan (Toru Nakagawa) https://www.osaka-gu.ac.jp/php/nakagawa/TRIZ/eTRIZ/ (English) https://www.osaka-gu.ac.jp/php/nakagawa/TRIZ/ (Japanese)	jp	en, jp	(a2) Public Web sites, (e1) Method developer	Public Web site dedicated for TRIZ proliferation in Japan and world. Editor Toru Nakagawa
TN3D-01	◎	ASQ (American Society of Quality) https://asq.org/	USA	en	(b1) Dedicated associations, (a1) Dedicated information sending, (b3) International conferences, (e5) Training organizations,	
TN3D-		CFI (Corporate Finance Institute)			(b1) Dedicated associations, (a1) Dedicated for information sending,	

06	◎	https://corporatefinanceinstitute.com	USA	en	(e1) Method developers, (e5) Training organizations, (e4) Consultants	
TN3D-03	◎	PMI (Project Management Institute) https://www.pmi.org	USA	en	(b1) Dedicated associations, (e1) Method developers, (e5) Training oganizations	
TN3D-15	◎〇	ASME (The American Society of Mechanical Engineers) https://www.asme.org/	USA	en	(b2) Dedicated (academic) societies, (e5) Training organizations,	
TN3D-02	◎	ISO (International Organization for Standardization) https://www.iso.org/	Switzerland	en	(c1) International organizations	
CN-01	◎	National Engineering Research Center for Technological Innovation Method and tool https://triz.hebut.edu.cn/	cn	cn	(c2) National organizations, (d1) Universities, (e1) Method developers, (d4) Consultants, (d5) Training organizations, (g3) Knowledge sharing,	Research, training and consultation on TRIZ
TN3A2-01	◎	Stanford d.school https://dschool.stanford.edu/	USA	en	(d1) Universities, (e1) Method developer	
TN3D-12	◎〇	Harvard Business Review https://hbr.org/	USA	en	(d1) Universities, (f2) Publishers, (f1) Journals	
TN3C-09	◎〇	edX https://www.edx.org/	USA	en	(d1) Universities, (e5) Training organizations , (h3) Educational organizations	
TN2A-47	◎	Systematic Innovation Inc http://www.systematic-innovation.com/	UK	en	(e1) Method developers, (e4) Consultants, (a1) Dedicated for information sending, (f2) Publisher	
TN2A-48	◎	AULIVE https://www.innovationlogic.com.au/	Australia	en	(e1) Method developers, (a1) Dedicated for information sending, (g3) Knowledge sharing, (f2) Software/tool developers, (e5) Training organization	
TN2F-07	◎	GEN-TRIZ https://www.gen-triz.com/	USA	en	(e1) Method developers, (e4) Consultants, (e8) Solution providers, (e7) Networking/matching	
TN2A-06	◎	ICG (ICG Training & Consulting) https://www.xtriz.com/	Netherlands	en	(e4) Consultants, (a1) Dedicated for information sending, (e1) Method developers	
TN2F-04	◎	Ideation International, Inc. (Where Innovation Begins) https://www.whereinnovationbegins.net/	USA	en	(e4) Consultants, (e1) Method developers, (e2) Software/tool developers	
TN3D-09	◎	Springer https://www.springer.com/	Germany	en	(f2) Publishers	
TN3D-16	◎〇	Science Direct https://www.sciencedirect.com/	UK	en	(f2) Publishers	

TN3C-23	◎	Research Gate https://www.researchgate.net/	Germany	en	(f3) Repository, (g4) Social networks (among scientists/researchers)	
TN3D-11	◎	Amazon https://www.amazon.com/	USA	en	(f4) Book sellers	
TN3D-08	◎	Wikipedia https://en.wikipedia.org/	USA	en	(g3) Knowledge sharing	
TN3D-10	◎	YouTube https://www.youtube.com/	USA	en	(g3) Knowledge sharing	
TN3B-04	◎	Slide Share https://www.slideshare.net/	USA	en	(g3) Knowledge sharing	
TN3C-03	◎	LinkedIn https://www.linkedin.com/	USA	en	(g4) Social networks	

■ World WTSP Catalogs -- (C0P) World Around-TRIZ Sites Top Catalog (◎) in Print
(Jun. 11, 2020)

Based on (C0) World Around-TRIZ Sites Top Index (◎).   Sites are arranged according to the (main) Role of site.

(a) Information sending sites

TN3B-05   ◎   TED Ideas Worth Spreading   http://www.ted.com/   Location: USA   Language: en
    Roles: (a1) Dedicated for information sending, (a2) Public Web site, (g3) Knowledge sharing

About: Our organization: TED is a nonprofit devoted to spreading ideas, usually in the form of short, powerful talks (18 minutes or less). TED began in 1984 as a conference where Technology, Entertainment and Design converged, and today covers almost all topics — from science to business to global issues — in more than 100 languages. Meanwhile, independently run TEDx events help share ideas in communities around the world.

Our Mission: Spread ideas: TED is a global community, welcoming people from every discipline and culture who seek a deeper understanding of the world. We believe passionately in the power of ideas to change attitudes, lives and, ultimately, the world. On TED.com, we're building a clearinghouse of free knowledge from the world's most inspired thinkers — and a community of curious souls to engage with ideas and each other, both online and at TED and TEDx events around the world, all year long. In fact, everything we do — from our Conferences to our TED Talks to the projects sparked by The Audacious Project, from the global TEDx and TED Translators communities to the TED-Ed lesson series — is driven by this goal: How can we best spread great ideas?
--- Written by Toru Nakagawa, Jul. 28, 2019

TN3D-04   ◎   Project Smart   https://www.projectsmart.co.uk/   UK   en
    Roles: (a1) Dedicated for information sending, (a2) Public Web site, (g3) Knowledge sharing   このサイト内で検索

Top page: Project Smart is the project management resource that helps managers at all levels improve their performance. We provide an important knowledge base for those involved in managing projects of all kinds. With weekly exclusive updates, we keep you in touch with the latest project management thinking.

About: Project Smart launched in 2000 as a way to offer easy access to information about the project management

profession and has grown from there. The philosophy of the website is to provide free, high-quality, ethical content in an accessible form while encouraging an open discussion. Website content is constantly updated, providing access to the latest project management thinking from a large group of subject matter experts.

Sections: Articles: Our library of articles provides valuable insights into the discipline of project management.
White papers: Our collection of white papers offers valuable insights into the discipline of project management.
Tools: A collection of twenty essential project management skills, methods, tools and competencies needed for success.
Forums:
Books: Project Management Books
Glossary:
<div align="center">--- Written by Toru Nakagawa, Sept. 21, 2019</div>

TN3D-07   ◎   iSixSigma   https://www.isixsigma.com/   USA   en
    Roles: (a1) Dedicated for information sending, (a2) Public Web site, (g3) Knowledge sharing,   このサイト内で検索

About: Founded in May of 2000 in Ridgefield, Connecticut, by Michael Cyger, iSixSigma is a diversified, high-tech B2B media business dedicated to providing essential information, research and how-to knowledge to help businesses and organizations worldwide improve execution.
iSixSigma provides the most comprehensive and essential Six Sigma resources available to businesses anywhere. As the world's leading publisher and content provider for the Six Sigma community, iSixSigma helps hundreds of thousands of monthly readers learn new skills, advance their careers, and contribute to the success of their organizations through a wide range of articles, tools and practitioner forums.

What We Do: Reaching hundreds of thousands of people each month through its websites, books, videos, podcasts, and subscription newsletter services, iSixSigma champions the idea that breakthrough process improvement can be accomplished by anyone within an organization. Our offerings include:
iSixSigma.com – has provided the most comprehensive and essential resources available to businesses at every stage of their Lean Six Sigma maturity and professionals at every skill level. Hundreds of thousands of monthly online readers learn new skills, advance their careers and contribute to the success of their organizations through a wide range of articles, blog posts, tools and a discussion forum.
iSixSigma Store – is an online store for templates, project examples, research reports, e-books, training materials, e-learning courses and much more – all delivered electronically for immediate download. The iSixSigma Marketplace is dedicated to providing excellence business management products for the business professional, student or instructor.

What We Publish: We publish on topics that help companies become more intelligent and productive, including:
    Lean, Lean Six Sigma, Process Improvement, Leadership, Change Management, Theory of Constraints, BPM,   …
and a host of other methodologies.
<div align="center">--- Written by Toru Nakagawa, Sept. 21, 2019</div>

TN2A-38 ◎   12Manage   https://www.12manage.com/   Location: Netherlands   Language: en, and 11 languages
    Roles: (a1) Dedicated for information sending, (g3) Knowledge sharing, (g5) Term dictionaries, (e7) Networking/matching organizations

Top page: Welcome to the world's #1 website about management: Advance yourself in business administration and management. All you need to know about your management subject on one page. Discuss issues with managers, consultants and academics in our business forums. Sign up for free.

About: Organizational Purpose: 12manage was founded in 2006 to make management know-how available all over the world. In particular for people who can not afford an MBA.
Profile: 12manage is an on-demand knowledge platform for managers, specialists and academics about management. The members of this network are mostly senior managers (60%), as well as management specialists (20%) and management academics (20%). Our knowledge centers are referenced by ± 1,000,000 members. See also: What people think of 12manage.
Knowledge Centers about Management: 12manage provides for each management method, model or concept: a concise description, its history, calculation, usage and application, process steps, strengths and benefits, limitations and disadvantages, assumptions and conditions, references, as well as an interactive member forum. Premium members have additional access to best practices, expert tips, powerpoint presentations, micro-learning videos, resources, and recent news for each method. Our explanations focus on concepts that are both scientifically accepted and applicable in management practice.

12 Disciplines, 12 Languages: All management knowledge centers are classified into 12 management disciplines: Change & Organization, Communication & Skills, Decision-making & Valuation, Ethics & Responsibility, Finance & Investing, Human Resources, Knowledge & Intangibles, Leadership, Marketing, Program & Project Management, Strategy and Supply Chain & Quality. All management disciplines and knowledge centers are available in English, plus the following 12 languages: Arabic, Chinese, Dutch, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish and Swedish.

Management Dictionary and More: 12manage also provides a Management Dictionary with 2000 entries, Management Issues, a Management Start Page, and useful Management Links. We distribute a weekly newsletter.

Special Interest Groups: 12manage members can participate in our SIGs, allowing to network and exchange information with peers all over the world. There is a SIG for each management knowledge center in each language.

Editor, Contributors: 12manage is edited independently (Editor). We try to make using 12manage as simple and user-friendly as possible. We'd like to thank those that made a contribution to 12manage, including the most important people, see our Wall of Fame.

--- Written by Toru Nakagawa, Sept. 27, 2019

RUL-01 ◎ The official foundation of G.S. Altshuller http://www.altshuller.ru (Russian), https://www.altshuller.ru/world/eng/index.asp (English)   Location: Ru   Language: Ru, En
    Roles: (a1) Dedicated for information sending, (e1) Method developers, (f3) Repository, (g3) Knowledge sharing

Creating a reference point (standard) for people who want to independently get acquainted with classical TRIZ; providing undistorted (and sometimes little-known) works of Genrikh Saulovich Altshuller (1926-1998) for users and developers of the theory.

Larissa Komarcheva   foundation@altshuller.ru   Michael Orloff, 17 July, 2019 (Approved by the site owner)

Site Description Form   WTSP (World TRIZ Sites Project)   (Version: 2019/6/13 TN)
Team: RUL   Site Code: RUL-01   Writer: Larisa Komarcheva   Date: 2020/3/9

Item	Description	(Instructions)
Site Name **	The official site of the G.S. Altshuller Foundation	
Site domain URL **	https://www.altshuller.ru (Russian) https://www.altshuller.ru/world/eng/index.asp (English)	
Site Location **	Owner's location is St. Petersburg, Russia. Web-hosting is Amazon	Refer the codes
Site Language **	Russian (most materials) and some materials in English, German, French and Spanish. Also, there is the correct translation of basic terms of TRIZ to 19 languages at the website.	Refer the codes
Roles of Site **		Refer the codes
Evaluation **	◎	Refer the codes Use ◎○□△— marks
Single-line Description *		
Application phase *		Refer the codes
Application Fields *		Refer the codes
Methods *		Refer the codes
Description of Introduction *	The Official G.S. Altshuller Foundation, together with the Rights Holders of the Altshuller copyrights, created this website so that anyone can find amongst all the above of the original texts of the creator of TRIZ-RTV-TRTL, Genrikh Saulovich Altshuller (15 October 1926 – 24 September 1998). That is one of the goals behind the creation of the website and the G.S. Altshuller Foundation: to present the undistorted	Free format, in 5-10 lines

	(reference) works of G.S. Altshuller to the users of the theory he created.	
Further Detailed Information		Optional
Note of description		Remarks for further revision

Note: Adjust/expand the cell spaces as you need.
　　　　Refer the codes in "Multi sets of Indexing Schemes for the WTSP DB System" (2019/5/18 TN).
　　　　** Mandatory,   * Desirable

See some more detail in: WTSP Mails and Letters "Introduction of the Site "Official Altshuller Foundation" Communications between Larisa Komarcheva and Toru Nakagawa" Feb. 28 -- Mar. 12, 2020 *Engl* (Apr. 21, 2020)

See Site Introduction by Larisa Komarcheva: SiteIntro-RUL-01-AltshullerFoundation.html *Engl* (Apr. 21, 2020)

Note (Toru Nakagawa, Jun. 6, 2020)　 Besides Russian language, this site has the following subdomains in four more languages:

In Russian:　 https://www.altshuller.ru/
In English:　 https://www.altshuller.ru/world/eng/index.asp
In German:　 https://www.altshuller.ru/world/ger/index.asp
In French:　　https://www.altshuller.ru/world/fra/index.asp
In Spanish:　 https://www.altshuller.ru/world/spa/index.asp

TN2F-06　◎　TRIZ Power Tools (OpenSourceTRIZ.com)　 https://www.opensourcetriz.com/　 Location: USA　 Language: en
　　Roles: (a1) Dedicated for information sending, (e1) Method developers, (g3) Knowledge sharing

Note (TN, Sept 27, 2019):   This is a wonderful system of eBooks authored principally by Larry Ball. Introductions, e.g. purpose, usage, structure, recommendations of studying, etc, are explained first in 4 short videos. He met "TRIZ as an Exact Science" by G. Altshuller in 1989 and studied, used, and taught TRIZ and invention algorithms for many years, while keep brushing up his own understanding. He posted his teaching materials in the TRIZ Journal in 2002 and its revised edition "Hierarchical TRIZ Algorithms" in 2005.
The present eBooks "TRIZ Power Tools" were posted in May 2018, after much revisions. The contents are mainly based on TRIZ but reflects other methods including Design Thinking, Disruptive Innovations and Marketing, Blue Ocean Strategy, Theory of Constraints, and One Simple Idea. He says the best way to learn deeply is to recreate knowledge after your own understanding, according to modern learning theory. All of the books and materials on this site are free. While all of the class materials are copyrighted, they can be downloaded and printed for personal and classroom use without fear of copyright violation. It is remarkable that the texts written in English can be translated automatically into (practically) any language with the Google translator without waiting.

The contents are composed of two big groups. (A) Inventive Jobs (e.g., Discovering markets, Creating offerings (products/services), Designing and prototyping, Reducing offering burdens, Resolving problems, Selling of licensing your offering) and (B) Inventive Skills (e.g., Resolving contradictions, Working with functions, Idealizing useful functions, Idealizing informing functions, Idealizing harmful functions, Discovering cause, Discovering why targeted objects are required, Mobilizing function resources, Neutralizing harmful functions). These jobs and skills are to be used in various ways of appropriate combinations, as guided by the eBook navigation.
--- Written by Toru Nakagawa, Sept. 27, 2019

TN3D-05　◎　Value Based Management.net　 https://www.valuebasedmanagement.net/　 Netherlands　 en
　　Roles:　(a1) Dedicated for information sending, (g3) Knowledge sharing,　　 このサイト内で検索

About: Value Based Management.net is a management portal specifically aimed at the information needs of senior executives with an interest in value creation, managing for value and valuation. We provide learning materials explaining management methods, models and theories on strategy, performance, finance, valuation, change, corporate governance, communication, marketing, leadership and responsibility with links to additional resources in the field.

Profile of Value Based Management.net : Management portal on value creation, managing for value and valuation. We provide information on strategy, performance, finance, valuation, change, corporate governance, communication, marketing, leadership and responsibility. Categories: articles, books, consultants, events, faqs, leaders, magazines, methods, news, opinion, organizations, research, etc. Independent (Editor)   User-friendly (No password needed, free, well-organized, no pop-ups)

Sections in the Web: Articles, Books, Dictionary, FAQ, Leaders, MBA Concepts, Organizations, Search
Categories: Strategy - Value creation; Valuation - Decision making; Organization - Change - Culture; Value of intangible assets; Leadership - Management;
--- Written by Toru Nakagawa, Sept. 21, 2019

TN3E-01 ◎ ipHandbook   http://www.iphandbook.org/   USA   en
   Roles: (a1) Dedicated for information sending, (g3) Knowledge sharing, (f8) Handbook, (e5) Training organizations   このサイト内で検索

About: This site is based on the comprehensive Handbook and Executive Guide that provide substantive discussions and analysis of the opportunities awaiting anyone in the field who wants to put intellectual property to work. The printed version includes 153 chapters on a full range of IP topics and over 50 case studies, composed by over 200 authors from North, South, East, and West, whereas this online resource contains much more than the Handbook. Among others, users like you are expanding the content with comments, discussions and document uploads.
If you are new to this site, we invite you to use the site guides available for policymakers, senior administrators, technology transfer managers, or scientists. The site guide distills the key points of each IP topic covered by the Handbook into simple language and places it in the context of evolving best practices specific to your professional role within the overall picture of IP management.
The Handbook with the companion Executive Guide, and this web site, have been developed by many dedicated individuals with the intent of making a resource available to the global community for putting intellectual property to work. The entire effort was overseen by an international Editorial Board.
We hope these resources uniquely contribute to efforts in global health and food security and the use of the Handbook and Executive Guide are endorsed by many distinguished individuals from our Board of Patrons.

Topics: 1. Innovation and IP Management: A Contextual Overview
2. Specific Strategies and Mechanisms for Facilitating Access to Innovation
3. The Policy and Legal Environment for Innovation
4. The IP Toolbox
5. Institutional Policies and Strategies
6. Establishing and Operating Technology Transfer Offices
7. Contracts and Agreements to Support Partnerships
8. Inventors and Inventions
9. Evaluation and Valuation of Technologies
10. Patents and Patenting: Balancing Protection with the Public Domain
11. Technology and Product Licensing
12. Dealmaking and Marketing Technology to Product-Development Partners
13. The Public Sector and Entrepreneurship
14. Freedom to Operate and Risk Management
15. Monitoring, Enforcement, and Resolving Disputes
16. Bioprospecting, Traditional Knowledge, and Benefit Sharing
17. Putting Intellectual Property to Work: Experiences from Around the World
--- Written by Toru Nakagawa, Sept. 19, 2019

TN3B-01 ◎◯ Free Management Library   http://managementhelp.org/   Location: USA   Language: en
   Roles: (a1) Dedicated for information sending, (e1) Method developers, (g3) Knowledge sharing

About: Purpose of the Library: The Library provides free, easy-to-access, online articles to develop yourself, other individuals, groups and organizations (whether the organization is for-profit or nonprofit). Since 1995, the Library has grown to be one of the world's largest well-organized collections of these types of articles and resources. The Library has gotten up to 1,000,000 visitors (not hits) per month). Many of its topics consistently rank in the top ten results from Google searches.

Who provides the library?: Authenticity Consulting, LLC, provides the Library as a free community resource. The

Library has its own logo and domain name, apart from Authenticity Consulting, LLC. Carter McNamara, of Authenticity Consulting, LLC, began putting resources on the Internet for others, back in the very early 1990s when he had the privilege of working with the "Gopher" tool at the University of Minnesota.

All the articles are well categorized into: How to: Improve Yourself, Work With Others, Work With Groups, Lead and Manage in Your Organization, Improve Your Organization, Consult to Solve Problems in Organizations
--- Written by Toru Nakagawa, Jul. 28, 2019

TN2A-04   ◎   TJ (The TRIZ Journal)   https://triz-journal.com/   Location: USA   Language: en
   Roles: (a2) Public Web sites, (a1) Dedicated information sending

The TRIZ Journal started as early as in 1996 as a Web site dedicated for introducing and proliferating TRIZ, by the co-editors of Ellen Domb and Jim Kowalick. It posted several to ten articles every month written by the editors and various authors over the world, thus served for spreading the understanding of classical and modernized TRIZ in the Western world.
The operation of TRIZ Journal was handed to Real Innovation Network in 2006 but stopped posting new aticles in 2010. BMGI re-launched it in 2015 but stopped new posting in 2016. Even during these difficult years, the archives of all the articles were kept accessible.
In January 2018, Darrell Mann, Systematic Innovation, re-launched the TRIZ Journal as the public Web site. A wide variety of articles are posted regularly and frequently, mostly by the Editor himself.
--- Written by Toru Nakagawa, Sept. 27, 2019

JP-01 ◎   TRIZ Home Page in Japan   (Editor: Toru Nakagaw)   http://www.osaka-gu.ac.jp/php/nakagawa/TRIZ/   (in Japanese) ▼

http://www.osaka-gu.ac.jp/php/nakagawa/TRIZ/eTRIZ/ (in English) ▼   🟢   Location: jp Language: en, jp
   Roles: (a2) Public Web site, (a1) Dedicated information sending, (e1) Method developer, (d1) Universities

Editor: Toru Nakagawa (Professor (1998-2012)/Professor Emeritus (2012-) of Osaka Gakuin University). He established this site in Nov. 1998 (Nov. 1 in Japanese and Nov. 15 in English), and has been posting new TRIZ-related information actively with unfixed interval of 2 to 4 weeks constantly till present.

The site posts introductory articles, overviews, papers, conference reports, etc. on TRIZ with a wider scope. Pages in Japanese and pages in English are posted more or less in parallel. The articles/papers are written not only by the Editor (in Japanese and in English), but also by many Japanese authors (in Japanese and some in English translation) and by many overseas authors (in Japanese translation and some in English). It has four 'Entrance Pages' adapted for four types of readers (i.e., for Children and high school students, for Students and the general public, for Engineers and researchers novice to TRIZ, and for Practitioners and experts of TRIZ); they show categorized lists of (pretty many) recommended pages with annotation.

The Editor's research themes have evolved from (a) introduction and proliferation of (classical and modernized) TRIZ, to (b) introduction and extension of USIT (Unified Structured Inventive Thinking), (c) proposal of Generalized Methodology for Creative Problem Solving (CrePS), and (d) Research on the Principal Contradiction ('Liberty vs. Love') of Human Culture.

--- [Written by Nakagawa T. on 2018/4/3; Much enhancement of description is desirable.]

Site Description Form   WTSP (World TRIZ Sites Project)   (Version: 2019/6/13 TN)
Team: JP   Site Code: JP-01   Writer: Toru Nakagawa   Date: 2020/2/13

Item	Description	(Instructions)
Site Name **	TRIZ Home Page in Japan	
Site domain URL **	http://www.osaka-gu.ac.jp/php/nakagawa/TRIZ/eTRIZ/ in English http://www.osaka-gu.ac.jp/php/nakagawa/TRIZ/ in Japanese	
Site Location **	jp	Refer the codes
Site Language **	en, jp	Refer the codes

Roles of Site **	(a2) Public Web site, (a1) Dedicated information sending, (e1) Method developer, (d1) Universities,	Refer the codes
Evaluation **	◎ Most important in the world	Refer the codes Use ◎○□△－ marks
Single-line Description *	Public Web site dedicated for TRIZ proliferation in Japan and in the world. Editor Toru Nakagawa	
Application phase *	(b) Problem finding and analysis phase, (c) Solution generation phase, (g) Others: Education	Refer the codes
Application Fields *	(c) Engineering , (a) General/universal, (g) Humanity fields	Refer the codes
Methods *	(e) Systems analysis, (g) Idea generation tools, (n) Modernized TRIZ methods; USIT method, Six-Box Scheme	Refer the codes
Description of Introduction *	Active public site in TRIZ since 1998, publicizing many articles by various international authors besides the editor Toru Nakagawa. Selected papers by Japanese authors are posted in English, while those by international authors in Japanese translation. Nakagawa's Personal Reports of TRIZCONs and ETRIA TFCs are unique. His research papers concern Introduction of TRIZ into Japan, Extension of USIT (Unified Structured Inventive Thinking), Development of CrePS (Creative Problem Solving Methodology), and Principal Contradiction of Human Culture.	Free format, in 5-10 lines
Further Detailed Information	Please refer much detailed introduction in the html file: Site Introduction for the WTSP Catalogs: TRIZ Home Page in Japan (Written by Toru Nakagawa, Feb. 12, 2020): SiteIntro-JP-01-THPJ.html Engl	Optional
Note of description	Written as a sample	Remarks for further revision

Note: Adjust/expand the cell spaces as you need.
　　　　Refer the codes in "Multi sets of Indexing Schemes for the WTSP DB System" (2019/5/18 TN).
　　　　 ** Mandatory, * Desirable

(b) Promotor organizations

TN3D-01   ◎   ASQ (American Society of Quality)   https://asq.org/   USA   en
　　Roles: (b1) Dedicated associations, (a1) Dedicated information sending, (b3) International conferences, (e5) Training organizations,　　このサイト内で検索

About: Who We Are: With individual and organizational members around the world, ASQ has the reputation and reach to bring together the diverse quality champions who are transforming the world's corporations, organizations and communities to meet tomorrow's critical challenges. ASQ provides the quality community with training, professional certifications, and knowledge to a vast network of members of the global quality community. Headquartered in Milwaukee, Wisconsin, USA, ASQ champions people passionate about quality in more than 130 countries. ASQ operates Regional Centers in North Asia, South Asia, Latin America and the Middle East/Africa. ASQ's global offices provide local access to the quality community, career development, credentials, knowledge, and information services. ASQ also collaborates with a network of World Partners® spanning 24 countries and further extends its global reach through a network of 14 registered service providers that deliver licensed ASQ training and certification exams in a specified territory.

ASQ's Vision: By making quality a global priority, an organizational imperative, and a personal ethic, ASQ becomes the community for everyone who seeks quality concepts, technology, or tools to improve themselves and their world. ASQ's Mission: To increase the use and impact of quality in response to the diverse needs of the world.

--- Written by Toru Nakagawa, Sept. 21, 2019

TN3D-06   ◎   CFI (Corporate Finance Institute)   https://corporatefinanceinstitute.com   USA   en
    Roles: (b1) Dedicated associations, (a1) Dedicated for information sending, (e1) Method developers, (e5) Training organizations, (e4) Consultants   このサイト内で検索

About: The modern financial analyst requires a well-rounded skill set that takes time to acquire. Some of the skills are developed in university, some are developed on the job, and some of the skills come from experience and developing a strong business intuition. At CFI, we combine all three skill sets -- theory, application, and intuition -- into a condensed, self-paced program that can be taken anytime, anywhere.
CFI's Financial Modeling and Valuation Analyst (FMVA)® was designed based on over 20 years of financial analyst training experience delivered by our instructors at large global banks and institutions such as BlackRock, Credit Suisse, HSBC, JP Morgan, Deutsche Bank, Merrill Lynch, Bank of America, Citi, and more.

CFI courses give you practical skills, templates, and tools to move up the finance ladder. We pick up where business school leaves off to teach you on-the-job aspects of corporate finance, investment banking, corporate development, FP&A, treasury, accounting, and more.
CFI courses are taught by professional wall street trainers, who have been teaching classes for new hires at global investment banks for over twenty years.
--- Written by Toru Nakagawa, Sept. 21, 2019

TN3D- 03   ◎   PMI (Project Management Institute)   https://www.pmi.org   USA   en
    Roles: (b1) Dedicated associations, (e1) Method developers, (e5) Training oganizations   このサイト内で検索

About: Project Management Institute (PMI) is the world's leading association for those who consider project, program or portfolio management their profession.
Through global advocacy, collaboration, education and research, we work to prepare more than three million professionals around the world for the Project Economy: the coming economy in which work, and individuals, are organized around projects.
Celebrating our 50th anniversary in 2019, we work in nearly every country around the world to advance careers, improve organizational success and further mature the project management profession through globally-recognized standards, certifications, communities, resources, tools, academic research, publications, professional development courses and networking opportunities.
As part of the PMI family, ProjectManagement.com creates online global communities that deliver more resources, better tools, larger networks and broader perspectives.
--- Written by Toru Nakagawa, Sept. 21, 2019

TN3D-15   ◎○   ASME (The American Society of Mechanical Engineers)   https://www.asme.org/   USA   en
    Roles: (b2) Dedicated (academic) societies, (e5) Training organizations,   このサイト内で検索

About ASME: ASME serves a wide-ranging engineering community through quality learning, the development of codes and standards, certifications, research, conferences and publications, government relations, and other forms of outreach.
ASME promotes the art, science & practice of multidisciplinary engineering and allied sciences around the globe. ASME is a not-for-profit membership organization that enables collaboration, knowledge sharing, career enrichment, and skills development across all engineering disciplines, toward a goal of helping the global engineering community develop solutions to benefit lives and livelihoods. Founded in 1880 by a small group of leading industrialists, ASME has grown through the decades to include more than 100,000 members in 140+ countries. Thirty-two thousand of these members are students.
Mission Statement: To serve diverse global communities by advancing, disseminating and applying engineering knowledge for improving the quality of life; and communicating the excitement of engineering.
--- Written by Toru Nakagawa, Sept. 21, 2019

(c) Public organizations

TN3D-02　◎　ISO (International Organization for Standardization)　　https://www.iso.org/　　Switzerland　en
　　Roles:　(c1) International organizations　このサイト内で検索

　　　About:　What we do:　We're a global network of the world's leading standardizers. Through our members (the
　　　national standards bodies in 163 different countries) we bring together experts from all over the world to develop
　　　International Standards.
　　　　　　　　　　　　　　　--- Written by Toru Nakagawa, Sept. 21, 2019

CN-02　◎　National Engineering Research Center for Technological Innovation Method and Tool
　　http://triz.hebut.edu.cn/　　Location: China P.R.　Language: cn
　　Roles: (c2) National organizations，　(d1) Universities, (e1) Method developers, (d4) Consultants, (d5) Training organizations,
(g3) Knowledge sharing,

　　　Research, training and consultation on TRIZ　　　Runhua Tan 2019/6/21

　　　Key persons:　Runhua Tan, Guozhong Cao, Bojun Yang, Huangao Zhang, Jianguang Sun, Jianhui Zhang
　　　contact:　rhtan@hebut.edu.cn

　　　Site Description Form　　WTSP (World TRIZ Sites Project)　(Version: 2019/6/13　TN)
　　　Team: CN　(D-cn-china)　　Site Code: CN-01　　　Writer: Runhua Tan　　Date: 2019/6/21

Item	Description	(Instructions)
Site Name **	National Engineering Research Center for Technological Innovation Method and tool	
Site domain URL　**	http://triz.hebut.edu.cn/	
Site Location **	D-cn-China	Refer the codes
Site Language **	Cn-Chinese	Refer the codes
Roles of Site　**	(c2) National organizations，　(d1) Universities, (e1) Method developers, (d4) Consultants, (d5) Training organizations, (g3) Knowledge sharing,	Refer the codes
Evaluation **	◎	Refer the codes Use ◎〇□△— marks
Single-line Description *	Promotion of TRIZ Study and Application	
Application phase　*	(b3) Problem finding and analysis, (c1) Idea generation, (c2) Solution building, (c3) Solution evaluation and selection	Refer the codes
Application Fields　*	(c1) Engineering in general, (c2) Mechanical engineering, (c3) Electrical/Electronic engineering, (c4) Communication and digital engineering,	Refer the codes
Methods　*	(a4) Training methods, (b1) Gathering and analyzing Voice of customors, (b2) Quality Function Deployment (QFD), (b3) Analysis of products and processes, (b4) Voice of technology (Evolution of technologies)，(c1) Statistical analysis of current situations,(c2) Cause-effect analsyis of problem situations,　(c3) Logical and critical thinking, (c4) Systematic thinking，(d1) Creativity training, (d2) Lateral thinking, (d3) Multi-aspect thinking, (d4) Breaking psychological inertia, (d5) Animation thinking, (e1)	Refer the codes

	Functions and attributes, (e2) Functional analysis, (e3) Analysis of root causes, (e4) System representation, (e5) Physical mechanism of the system, (e6) Hierarchical structure of systems, (e7) Evolution of the system，(f1) Survey of technologies, (f2) Use of scientific and technical knowledge, (f3) Use of scientific references, (f4) Use of patent information, (f5) Use of knowledge of technology evolution, (g2) Use of contradiction analysis for guiding toward possibly effective idea generation principles, (h1) Design methods, (i1) Evaluation criteria, (i2) Comparison of solutions, (i3) Simulations, (i4) Testing, (i5) Quality engineering (Taguchi method)，(j1) Pilot project, (j2) Process design, (j3) Mass production, (k1) Patent analysis ,(k2) Patent application, (k3) Patent circumvention,	
Description of Introduction　*	The center's research and promotion of TRIZ represents the highest level in China. The C-TRIZ proposed by the Center has great influence in China. From 2013 to 2018, the center trained 5035 innovative engineers, applied for 1218 patents, produced 62 new products, 206 new technologies and 135 new technologies, and produced 880 million yuan in economic benefits.	Free format, in 5-10 lines
Further Detailed Information		Optional
Note of description		Remarks for further revision

Note: Adjust/expand the cell spaces as you need.
　　　Refer the codes in "Multi sets of Indexing Schemes for the WTSP DB System" (2019/5/18 TN).
　　　** Mandatory,　* Desirable

(d) Academia

TN3A2-01　◎　Stanford d.school　　https://dschool.stanford.edu/　Location: USA　Language: en
　　Roles: (d1) Universities, (e1) Method developer

　　About: What we do: Our Point of View: We believe everyone has the capacity to be creative.
　　Putting design to work: We build on methods from across the field of design to create learning experiences that help people unlock their creative potential and apply it to the world. Design can be applied to all kinds of problems. But, just like humans, problems are often messy and complex—and need to be tackled with some serious creative thinking. That's where our approach comes in. Adding the d.school's tools and methods to a person's skill set often results in a striking transformation. Newfound creative confidence changes how people think about themselves and their ability to have impact in the world.
　　　　　　　　　　--- Written by Toru Nakagawa, Sept. 21, 2019

TN3D-12　◎〇　Harvard Business Review　　https://hbr.org/　　USA　en
　　Roles:　(d1) Universities,　(f2) Publishers,　(f1) Journals,　　このサイト内で検索

　　About: Company Overview: Harvard Business Publishing (HBP) was founded in 1994 as a not-for-profit, wholly-owned subsidiary of Harvard University, reporting into Harvard Business School. Our mission is to improve the practice of management in a changing world. This mission influences how we approach what we do here and what we believe is important.

　　The three market groups Higher Education, Corporate Learning, and Harvard Business Review Group, produce a variety of media including print and digital (Harvard Business Review, Harvard Business Review Press Books, Harvard Business School Cases, Brief Cases, blogs), events (Participant-Centered Learning Seminars, Custom Events, Webinars), and online learning (Harvard ManageMentor, Leadership Direct, Online Courses, Simulations).

Through these publishing platforms, Harvard Business Publishing is able to influence real-world change by maximizing the reach and impact of its essential offering—ideas. Read our corporate brochure to learn more about our business.

--- Written by Toru Nakagawa, Sept. 21, 2019

TN3C-09 ◎○ edX https://www.edx.org/ Location: USA Language: en
Roles: (d1) Universities, (e5) Training organizations

About: The Mission: Increase access to high-quality education for everyone, everywhere; Enhance teaching and learning on campus and online; Advance teaching and learning through research
Our Story: edX is the trusted platform for education and learning. Founded by Harvard and MIT, edX is home to more than 20 million learners, the majority of top-ranked universities in the world and industry-leading companies. As a global nonprofit, edX is transforming traditional education, removing the barriers of cost, location and access. Fulfilling the demand for people to learn on their own terms, edX is reimagining the possibilities of education, providing the highest-quality, stackable learning experiences including the groundbreaking MicroMasters® programs. Supporting learners at every stage, whether entering the job market, changing fields, seeking a promotion or exploring new interests, edX delivers courses for curious minds on topics ranging from data and computer science to leadership and communications. edX is where you go to learn.

--- Written by Toru Nakagawa, Sept. 21, 2019

(e) Developer organizations

TN2A-47 ◎ Systematic Innovation Inc. (Darrell Mann) http://www.systematic-innovation.com/ UK en
Roles: (e1) Method developers, (e4) Consultants, (a1) Dedicated for information sending, (f2) Publisher

Note (TN, Sept. 27, 2019): Darrell Mann has been working very actively for promoting TRIZ in the modernized form, naming 'Systematic Innovation' in a much wider sense. He authored "Hands-on" book series, including: Systematic Innovation (Technical), Systematic Innovation for Business & Management, Systematic (Software) Innovation, Matrix 2010, trenDNA, Innovation Capability Maturuity Model, etc. One of the unique basis of his research has been the extensive analysis of patent DB in the world. The Web site posts a large number of articles reflecting his thoughts and activities as consultants and lecturers.

--- Written by Toru Nakagawa, Sept. 27, 2019

TN2A-48 ◎ AULIVE (Simon Dewulf) https://www.aulive.com/ Australia en
Roles: (e1) Method developers, (a1) Dedicated for information sending, (g3) Knowledge sharing, (f2) Software/tool developers, (e5) Training organization

Note (TN, Sept. 27, 2019): Simon Dewulf, former owner of CREAX in Belgium, moved to Australia and started AULIVE Pty Ltd in 2012. The AULIVE site has 4 branch sites.

(A) Innovation Logic (https://www.innovationlogic.com.au/): Top page: AULIVE brings Innovation Logic, a collection of hands-on tools and a systematic method designed to demystify and systematize the space of creativity, innovation and value creation. With 20 years research and development in the domain of innovation, we have distilled the AULIVE method as 6 easy steps to innovate products or processes, with the inspiration tools. --- The steps are: Aim: value and function, Use: resources in time and space, Link: your product or process DNA, Import: inspiration from outside, Vary: change for better function, Elect: ideas to concepts.

(B) Patent Inspiration (http://www.patentinspiration.com/): This site provides with a useful tool for patent searches. In the free space, the operation of the software is fully demonstrated with a case in two videos. Surveying patents is possible at the text level freely but needs registration for visualizing them in various graphs.

(C) More Inspiration (http://www.moreinspiration.com/): This site is a large collection (currently 4961) of example of Innovations, each shown with a photo/vidoe and explanation. They have tags of industries and products. It is

remarkable that the essence of innovation of each case is explained with the installed property and the resultant function. Such properties and functions are well categorized and symbolized (in addition to the text), thus many cases of the same property (or of the same function) are readily shown by clicking the symbol of property (or function). This site is very useful for obtaining inspiration from various cases.

(D) Production Inspiration (http://www.productioninspiration.com/): You can select a function you want to perform and select a state you want to operate on, then a number of ways (i.e., production methods) to achieve the function are shown with illustrations. E.g., 'Corrodes' 'Solid' gives you 19 production ways.
--- Written by Toru Nakagawa, Sept. 27, 2019

TN2F-07 ◎   GEN-TRIZ   https://www.gen-triz.com/   Location: USA   Language: en
Roles: (e1) Method developers, (e4) Consultants, (e8) Solution providers, (e7) Networking/matching

About: GEN TRIZ is a Technical Innovation Solutions Provider that delivers world-class product, process and packaging innovation services. For twenty years, our innovation specialists have been serving many of the largest and best-known consumer packaged goods, industrial products, and medical products companies in the world. We believe that to consistently deliver high impact results, breakthrough innovation can and must be practiced as a scientific discipline in itself.   Our team is comprised primarily of scientists and engineers (over half hold PhD's) with expertise and experience in the innovation process. Our teams deliver breakthrough results by combining the power of GEN TRIZ's proprietary, systematic innovation methodology with the leverage gained from our private Global Knowledge Network (GKN) of over 8,000 scientific, engineering and subject matter experts.
GEN TRIZ delivers a range of sustaining and breakthrough innovation services through dedicated project teams. In addition we offer training programs and facilitation to build internal innovation capabilities, as well as selectively develop and manage new technology ventures. GEN TRIZ has a technical innovation center and maintains laboratories to test and validate new product and process concepts.

Value statement: The Science to Power Innovation: It is our mission to deliver clients breakthrough innovation solutions that impact the bottom line. Leveraging GEN TRIZ's powerful combination of skills and experience, we are committed to delivering clients the following benefits: Increased Speed to Market; Lower Innovation Risk; Greater Return on Investment.

Methodology: At the heart of GEN TRIZ's innovation expertise lies a deliberate and rigorous methodology. For over 20 years, our innovation experts have continued to enhance and adapt the methodology to respond to the changing needs of the market. GEN TRIZ's methodology is a framework comprised of a collection of analytical and problem-solving tools. Key Principles: Understand main parameters of value; Consider technology evolution; Focus on functions; Address key problems; Adapt existing solutions, don't always invent.

GKN: If a problem requires external knowledge, we leverage our privately managed network to gain a deeper level of subject-matter expertise and insight. Guided by Function-Oriented Search, GEN TRIZ project teams leverage this network for consultation, theoretical advice, and/or support with physical experiments. And while our network provides invaluable contributions, the project teams themselves remain ultimately responsible for developing the solutions that meet the project's goals.
--- Written by Toru Nakagawa, Sept. 27, 2019

TN2A-06   ◎   ICG T&C (ICG Training & Consulting)   https://www.xtriz.com/   Location: Netherlands   Language: en
(e4) Consultants, (a1) Dedicated for information sending, (e1) Method developers

About: Founded and centered in the Netherlands in 2003 by TRIZ Master Valeri Souchkov, ICG T&C is a company operating with an international network united by the common goals and mission: to develop and bring to the market the best methods, tools, and solutions which boost, leverage, and manage creativity and innovation. Among our customers are both large and small organizations which are willing to not just observe but to create future.   Prior to founding ICG T&C, Valeri Souchkov co-founded Invention Machine Labs in 1989 which pioneered promotion of TRIZ and Systematic Innovation in Western Europe, USA, and Asia. ... In 2000 Valeri Souchkov initiated and co-founded the European TRIZ Association (ETRIA).

Top page: Our mission is to empower the world with TRIZ-based Systematic Innovation which brings a process of producing breakthrough innovative solutions to a radically new level and helps our customers to transform a fuzzy innovation front-end to a predictable, manageable and highly productive process.

Why TRIZ and Systematic Innovation?: ... Methods and tools of TRIZ and Systematic Innovation organize and support a process from dealing with ill-defined initial situations towards producing and selecting new ideas with the highest value/costs ratio thus making dealing with an innovation "fuzzy front-end" manageable and predictable. ...

Recently enriched with a number of new tools, such as Root Conflict Analysis, Function Analysis, Technology-Market Evolution Matrix, Value-Conflict Mapping, and Innovation Roadmap TRIZ makes it possible to establish a well-structured process of achieving continuous innovation and developing breakthrough ideas for new products, technologies and services in a systematic way. ... Today, innovation becomes a well-planned activity which integrates a wide range of methods, tools, as well as organizational culture, management support, and other crucial ingredients. Such a system becomes available to everyone involved to innovwation processes thus immensely increasing the innovative productivity of organizations and individuals.

Note (TN, Sept. 27, 2019): This site has a well-organized top page, not only showing their own training and consulting activities but also introductions, papers, and overviews of TRIZ and Systematic innovation in a wider scope.

--- Written by Toru Nakagawa, Sept. 27, 2019

TN2F-04　◎　Ideation International, Inc. (Where Innovation Begins)　http://www.whereinnovationbegins.net/　Location: USA　Language: en
　　Roles: (e4) Consultants, (e1) Method developers, (e2) Software/tool developers

About: Ideation International is a private, U.S.-based company founded in 1992 and headquartered in , Michigan. The company focuses on the Theory of Inventive Problem Solving (TRIZ). Ideation provides a structured methodology for resolving complex problems, marketed via educational programs, analytical services and a line of software, TRIZSoft, which together provide the resources necessary to control the innovation process. Ideation is fortified by a staff composed of the world's leading TRIZ scientists, who have advanced this scientific theory with powerful new applications and software tools to meet the needs of today's competitive marketplace.

(Four pillars of methods/software tools): IPS (Inventive Problem Solving): IPS helps solve complex technological problems by supporting both the analytical and solution-synthesis stages of problem solving.
APD (Anticipatory Failure Determination): AFD is a cost-effective method of analyzing and predicting failures in products and processes. It guides users in documenting the situation, formulating the related problem(s), developing hypotheses, verifying potential failure scenarios, and finding solutions to prevent or eliminate the problem(s).
DE (Directed Evolution): DE drives Innovation and growth proactively instead of relying on reactive responses to traditional and uncertain technological forecasting. DE is a process for analyzing and evaluating a system from both technological and market standpoints, developing a comprehensive set of possible scenarios for future evolution, establishing a decisive course of action, securing intellectual capital and defining a plan to create next-generation products, processes, and technologies.
IP (Intellectual Property): IP validates and increases the value of your Intellectual Property. Our analysis will reveal opportunities for enhancing your IP's value and protecting it from infringement and circumvention.
--- Written by Toru Nakagawa, Sept. 27, 2019

(f) Publishing organizations

TN3D-09　◎　Springer　https://www.springer.com/　Germany　en
　　Roles: (f2) Publishers　このサイト内で検索

About: Springer is a leading global scientific, technical and medical portfolio, providing researchers in academia, scientific institutions and corporate R&D departments with quality content through innovative information, products and services. Springer has one of the strongest STM and HSS eBook collections and archives, as well as a comprehensive range of hybrid and open access journals and books under the SpringerOpen imprint. Springer is part of Springer Nature, a global publisher that serves and supports the research community. Springer Nature aims to advance discovery by publishing robust and insightful science, supporting the development of new areas of research and making ideas and knowledge accessible around the world.
Top page: Our business is publishing. With more than 2,900 journals and 300,000 books, Springer offers many opportunities for authors, customers and partners.　You can read over ten million scientific documents on SpringerLink. The 303,825 books in our Springer Shop come with free worldwide shipping for print copies, and our eBooks can be read on any device.

--- Written by Toru Nakagawa, Sept. 21, 2019

TN3D-16 ◎○ Science Direct https://www.sciencedirect.com/   UK en
Roles: (f2) Publishers このサイト内で検索

About: ScienceDirect: The leading platform of peer-reviewed literature that helps you move your research forward. ScienceDirect supports an uninterrupted workflow by allowing researchers to move seamlessly between books and journals, across topics and disciplines
Moving research forward: Built on the widest range of trusted, high-quality, interdisciplinary research, ScienceDirect helps you find answers to your most pressing research questions, stay on top of your field and gain in-depth insights into trending research topics as you take your next steps in discovery. Why choose ScienceDirect From foundational science to new and novel research, 25 million researchers a month count on ScienceDirect. Use the research community's leading platform to stay ahead, discover more breakthroughs and manage your research.
Content & features: Discover more from over 2,500 scholarly journals, including over 250 fully Open Access publications and 39,000 reference books — personalized recommendations and Topic Pages make it easy to find the highest-quality and most relevant interdisciplinary research in less time.

--- Written by Toru Nakagawa, Sept. 21, 2019

TN3C-23 ◎ Research Gate https://www.researchgate.net/   Location: Germany   Language: en
Roles: (f3) Repository, (g4) Social networks (among scientists/researchers)

About: ResearchGate is the professional network for scientists and researchers. Over 15 million members from all over the world use it to share, discover, and discuss research. We're guided by our mission to connect the world of science and make research open to all. It started when two researchers discovered first-hand that collaborating with a friend or colleague on the other side of the world was no easy task. Founded in 2008 by physicians Dr. Ijad Madisch and Dr. Sören Hofmayer, and computer scientist Horst Fickenscher, ResearchGate has more than 15 million members today. We strive to help them make progress happen faster.

Here's how it works: Share your publications, access millions more, and publish your data. Connect and collaborate with colleagues, peers, co-authors, and specialists. Get stats and find out who's been reading and citing your work. Ask questions, get answers, and solve research problems. Find the right job using our research-focused job board. Share updates about your current project, and keep up with the latest research.

Eval changed into ◎ from ○
--- Written by Toru Nakagawa, Sept. 21, 2019

TN3D-11 ◎ Amazon https://www.amazon.com/   USA en
Roles: (f4) Book sellers このサイト内で検索

(From Wikipedia) Amazon.com, Inc., is an American multinational technology company based in Seattle, Washington, that focuses on e-commerce, cloud computing, digital streaming, and artificial intelligence. It is considered one of the Big Four technology companies along with Google, Apple, and Facebook....Amazon was founded by Jeff Bezos on July 5, 1994, in Bellevue, Washington. The company initially started as an online marketplace for books but later expanded to sell electronics, software, video games, apparel, furniture, food, toys, and jewelry. ...

Note (TN, Sept. 26, 2019): From the viewpoints of our WTSP Catalogs, we are particularly interested in buying/selling books. Amazon book site is particularly useful because of its exhaustive list of titles, search mechanism with topics and authors, possibility of browsing their contents together with readers' reviews, availabilty of books from any publishers around the world, quick and sure delivery, easy payment, and also possibility for authors to sell their books directly.

--- Written by Toru Nakagawa, Sept. 21, 2019

(g) Information sharing

TN3D-08　◎　Wikipedia　https://en.wikipedia.org/　　USA　en
　　Roles:　(g3) Knowledge sharing　　このサイト内で検索

About: Wikipedia is a multilingual, web-based, free-content encyclopedia project supported by the Wikimedia Foundation and based on a model of openly editable content. ...
Wikipedia is written collaboratively by largely anonymous volunteers who write without pay. Anyone with Internet access can write and make changes to Wikipedia articles. ....
Since its creation on January 15, 2001, Wikipedia has grown rapidly into one of the largest reference websites, attracting 374 million unique visitors monthly as of September 2015. There are about 72,000 active contributors working on more than 48,000,000 articles in 302 languages. As of today, there are 5,937,320 articles in English.

Note (TN, Sept. 26, 2019): Many keywords/terms of our interest in TRIZ and related methodologies are explained in Wikipedia. Contents and quality of them seem to vary much depending on the items and on languages. Wikipedia is often used as handy and reliable references by many people especially on the topics out of one's specialty. Thus the quality of description of each item should be important for better introduction of the items for common people.
　　　　　　　　　　　　--- Written by Toru Nakagawa, Sept. 21, 2019

TN3D-10　◎　YouTube　https://www.youtube.com/　　USA　en
　　Roles:　(g3) Knowledge sharing　　このサイト内で検索

(From Wikipedia) YouTube is an American video-sharing website headquartered in San Bruno, California. Three former PayPal employees—Chad Hurley, Steve Chen, and Jawed Karim—created the service in February 2005. Google bought the site in November 2006 for US$1.65 billion; YouTube now operates as one of Google's subsidiaries. YouTube allows users to upload, view, rate, share, add to playlists, report, comment on videos, and subscribe to other users. It offers a wide variety of user-generated and corporate media videos. Available content includes video clips, TV show clips, music videos, short and documentary films, audio recordings, movie trailers, live streams, and other content such as video blogging, short original videos, and educational videos. Most content on YouTube is uploaded by individuals, but media corporations including CBS, the BBC, Vevo, and Hulu offer some of their material via YouTube as part of the YouTube partnership program. Unregistered users can only watch videos on the site, while registered users are permitted to upload an unlimited number of videos and add comments to videos.

Note (TN, Sept. 26, 2019): Many organizations in our field of TRIZ and related methodologies have uploaded their video introductions and documents in YouTube. You may often be led from their sites to YouTube, while you may find many other relevant videos in YouTube by using keyword searches.
　　　　　　　　　　　　--- Written by Toru Nakagawa, Sept. 21, 2019

TN3B-04　◎　Slide Share　http://www.slideshare.net/　　Location: USA　　Language: en
　　Roles: (g3) Knowledge sharing

About: Welcome to LinkedIn SlideShare!: 80 million professionals trust SlideShare to learn about any topic quickly from subject matter experts. Founded in 2006 with the goal of making knowledge sharing easy, Slideshare joined the LinkedIn family in 2012 and has since grown into a top destination for professional content. With over 18 million uploads in 40 content categories, it is today one of the top 100 most-visited websites in the world.
Why use SlideShare?: Learn faster, smarter: Build your knowledge quickly from concise, well-presented content from top experts. Instead of scrolling through pages of text, you can flip through a SlideShare deck and absorb the same information in a fraction of the time. Explore the best of SlideShare with our featured content. Learn any topic: Get up to speed on any topic. You'll find content from experts in every imaginable field – from Google's Eric Schmidt to the White House – who have contributed to over 35 categories and 18 million uploads.
Share your insights and get noticed: Show what you know through a presentation, infographic, document or videos. Visual formats help you stand out and resonate more with your readers. When you upload to SlideShare, you reach an audience that's interested in your content – over 80% of SlideShare's 80 million visitors come through targeted search. This can help you build your reputation with the right audience and cultivate more professional opportunities.
　　　　　　　　　　　　--- Written by Toru Nakagawa, Jul. 28, 2019

TN3C-03　◎　LinkedIn　　https://www.linkedin.com/　　Location: USA　Language: en
　　Roles: (g4) Social networks

　　　　(From Wikipedia) LinkedIn is an American business and employment-oriented service that operates via websites and mobile apps. Founded on December 28, 2002, and launched on May 5, 2003, it is mainly used for professional networking, including employers posting jobs and job seekers posting their CVs. As of 2015, most of the company's revenue came from selling access to information about its members to recruiters and sales professionals. Since December 2016 it has been a wholly owned subsidiary of Microsoft. As of June 2019, LinkedIn had 630 million registered members in 200 countries.
　　　　LinkedIn allows members (both workers and employers) to create profiles and "connections" to each other in an online social network which may represent real-world professional relationships. Members can invite anyone (whether an existing member or not) to become a connection. LinkedIn participated in the EU's International Safe Harbor Privacy Principles.
　　　　　　　　　--- Written by Toru Nakagawa, Sept. 21, 2019

(h) User organizations

(i) Personal

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