Proposal on a new way of data management

Interconnecting Connotative Dynamic System (ICDS)

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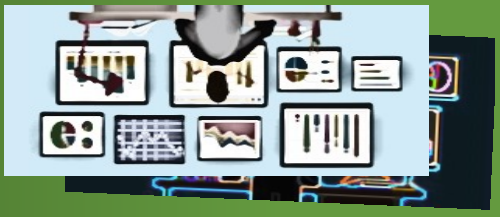

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CRDI
THE CENTER FOR RESEARCH AND DEVELOPMENT OF INFINITYLOGY

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Introduction:

Science's methodology, methods, and content have evolved over time. Some key points in this protracted process modified the general direction in which science stepped in with its long march. One of these was when philosophers such as Francis Bacon (1561-1626) proposed a new empirical approach for better understanding nature and its principles. His ideas and proposals benefited science. "Traditional metaphysicians," "empiricists," and "scientists" were labeled by Bacon as "spiders," "ants," and "bees," respectively, to distinguish these latter as those who “make something out of the materials that will allow them to understand, explain and predict from what they observe”, as opposed to the two first.[1]

His remark prompted science to follow a fruitful route that resulted in all of the wonderful developments we now enjoy. By placing the 16th century in context, we were at the beginning of a period of abundance in scientific data generation, as opposed to millennia of sluggishness during the dark ages. That's why Bacon pushed the scientific

[1]LAW, Stephen; The Great Philosophers, Quercus publisher, 2007, P.59

community to arrange for the onslaught of data that had begun to pour in. He next intended to establish "a college with laboratories where scientists might work together to implement the new scientific technique." "Bacon's ideas...led to the establishment of the Royal Society in 1660."[2]

It appears that we are once again at one of those pivotal points in science's history, where we are confronted with a new influx of data and information that is nothing like what concerned Francis Bacon so much. I'd even go so far as to argue that this time the problem is not simply quantitative, but also qualitative, requiring immediate care and attention.

What is happening?

Every day, at any hour of the day, one or more news stories about a discovery, development, innovation, or inventive advancement in science and technology are published around the world. Some have minor consequences, while others have far-reaching impacts. In 2014,

[2] Ibid

for example, UC researchers submitted 1,769 new innovations, or roughly five every day.[3]

This is a fantastic and thrilling achievement. However, one issue arises: how can we best utilize this massive amount of breakthroughs and discoveries for the benefit of humanity? How can we make the most of this newness to address global concerns that threaten our species' survival? Is there a system in place to deal with it?

It appears that this is not the case.

Individuals or entities are, of course, attempting to do so in their particular field of expertise; nevertheless, even there, inadequacies in the integration of new knowledge into diverse work systems can be found.

The quantitative aspect is less important than the qualitative benefit that we may provide to the world as a result of an intelligent treatment of all these data. We're referring to something called an *Interconnecting Connotative Dynamic System* (ICDS). In one of our published books

[3] universityofcalifornia.edu/news/report-highlights-economic-impact-uc-inventions-discoveries

we already dedicated an entire chapter to a comparable suggestion, complete with numerous specifics.[4]

What is ICDS?

This system goes beyond just categorizing and classifying data, which is something that any data system can perform with a program that treats manually or automatically inputs connected to new integrated data. Even if a global system capable of treating and classifying scientific data in the most thorough manner would be a fantastic instrument to develop, we are discussing something different here.

In fact, the way we've been utilizing for processing data is falling out of favor, as seen by two indicators: 1) We're missing out on a lot of potential solutions and answers since we don't immediately and automatically connect these data. 2) It is imperative that we do assist the earth now in maintaining a level of confidence for our own survival.

[4] ERFANI, Korosh; *Infinitylogy: Foundations of a New Discipline*, ILCP Publishing House, 2021, Chapter V: Ways to Make Infinitylogy Operational, pp.119-148

The time has come to rethink data processing and the procedures involved in its production, distribution, and application. In the field of data collecting and processing, we need a revolution.

One of the reasons we haven't started it yet is because of difficulties such as competitiveness, interest conflicts, copyright protection, and technological espionage. Is there any key that can overcome these obstacles and make a significant contribution to humanity's fate? How can we envision a worldwide cooperative structure in which everyone has access to the most up-to-date data and novelties in a variety of scientific and technological fields?

- Let's start with the obvious obstacles to such a project:
- **Institutional hurdle**: To begin, we'll need an international willpower that's willing to put out the effort and money necessary to develop such a system. This should be a gathering of public and private finances, governments, non-governmental organizations, and corporations to ensure that such an initiative receives the support and resources it requires.

- **Conceptual design**: Once the funding are in place, we should begin on a creative and functional system design. The concept in issue has the potential to be viable, but it will require brains and ingenuity to be realized.

- **Project management:** The project should mobilize all essential resources for its realization, including workforce, tools, equipment, hardware, software, experience, and so on, with highly effective management.

So, in order for the project to be conceived, there are primarily two financial and technical hurdles. But these aren't the only considerations; here, we'd like to bring up another factor without which such a concept would be doomed to fail.

Missing piece of the puzzle:

We're talking about a missing component of the puzzle that extends far beyond politics, money, science, and technology on their own. This is the type of undertaking that requires a philosophical foundation to be realized. We must first believe in the necessity of such a system and its operational value in order to gain the essential motivation; the fact is

that we will not get this deep belief until we have a sound argument to back it up.

Infinitism is a philosophical theory that aims to achieve this goal as much as feasible. It offers ideas that might be used to further explain why such an undertaking is necessary.

Here are some fundamental viewpoints of Infinitism on such or comparable projects:

• Natural resources of materials and energy are limitless.

How?

• Due to the infinitely composite structure of matter.

So?

• Because matter has an unlimited composition, we can discover limitless levels and spheres of operation there.

But how?

• We need theoretical and practical instruments to be operative.

• How do I find them?

- If we organize our snowballing knowledge of micro and macro structures of matter, these tools will be easier to attain.

Organizing?

• Due to a lack of organization, this vast body of knowledge remains so far disjointed and isolated, preventing it from being effectively applied to our goals.

What should I do?

• Gathering, synthesizing, and synchronizing new and incoming data is a necessary precondition for making human knowledge operational with the goal of discovering infinity within matter to obtain limitless materials and energies.

Even though people and institutions are currently doing the best they can to correlate the flow of knowledge, we can improve effectiveness and productivity by reorganizing it in the context of a centralized dynamic system that first gathers, treats, categorizes, classifies, organizes, and makes theme available.

This will accelerate progress and advancement by reducing the time it takes for our creations and discoveries to shape through relying on this data.

Second, as a result of this interconnection, this dynamic system will interrelate existing and coming information in order to develop new outcomes and viewpoints. In this way, many previously unheard-of contents will be created.

And third, the system will reinject in itself its own results as fresh facts, from which it will derive various conclusions.

This system will run alongside everything else it grasps from human discoveries and advancements in an ongoing cycle of data production.

- AI (Artificial Intelligence) for automatically treating data with a tolerable margin of error that can be gradually supervised and lowered, as we've indicated in prior articles and books. In a solution-finding oriented trend, AI will innovate by self-developing its basic algorithms and improving them. We're referring to a logical, methodical, and intelligent treatment that

takes into account the data's connotation, meaning, content, context, and substance.

- **Quantum computation** is used to analyze, dispatch, classify, synchronize, and synthesize data in order to create inferences, extrapolations, interpretations, conclusions, and discoveries. The hardware side of quantum computation can enable what the AI's imagination can imagine as the software side of the system.

• **Internet of Things** (IoT) to test, implement, and simulate the functional feasibility of future projects, solutions, and designs, as a result of the system's integration and processing of new data.

We may now have all of the required components to complete this process by integrating philosophical viewpoints, scientific competence, and technological capabilities. This has the potential to change the way we approach information and data in the future, propelling science and technology forward in terms of production and issue resolution.

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One of the key goals on our job list at the *Center for Research and Development of Infinitylogy* (CRDI) will be to follow up on this

concept. We could put the necessary staff on this notion as soon as our center has some financial backbone, so we can begin attracting the attention and interest of international organizations and the scientific community to our project: **Interconnecting Connotative Dynamic System** (ICDS). Until then, if we find volunteers who are interested in this plan, we will continue to develop it as much as possible before launching it.[5]

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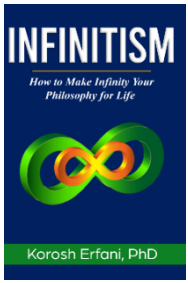
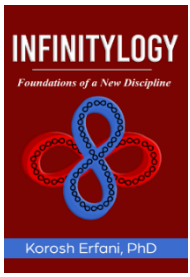
[5] Please do not hesitate to contact the CRDI if you are interested in this proposal: contact@thecrdi.com

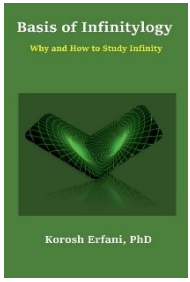
Books published so far:



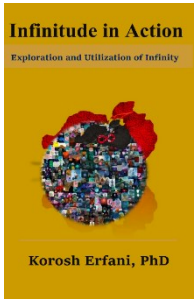
Infinitism: How to make Infinity your philosophy for life, ILCP Publishing House, 2021, 375 pages.



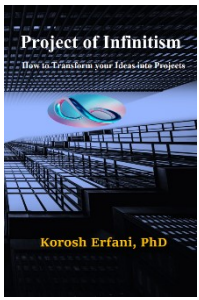
Infinitylogy: Foundations of a New Discipline, ILCP Publishing House, 2021, 148 pages.



Basis of Infinitylogy: How and why to study Infinity, ILCP Publishing House, 2021, 148 pages.



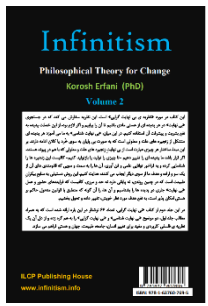
Infinitude in Action: Exploration and Utilization of Infinity, ILCP Publishing House, 2021, 200 pages.



Project of Infinitism: How to Transform your Ideas into Projects, ILCP Publishing House, 2021, 132 pages.

Our books in other languages

- ***Infinitism: The Philosophical theory to change***, (Book in Persian), ILCP Publishing House, 2020, 1018 pages. (possible translation in the future)



- The CRDI plans translating these mentioned English books in French in the future.

www.thecrdi.com

CRDI
THE CENTER FOR RESEARCH AND DEVELOPMENT OF INFINITYLOGY

Our Websites

- **Website on the *Center for Research and Development of Infinitylogy* (CRDI)**

www.thecrdi.com

- **Website on the philosophical theory of *Infinitism* and its applications.**

www.infinitism.info

- **Website on *Infinitylogy* as a new discipline and its establishment:**

www.infinitylogy.com

- **Website of the ILCP Publishing House**

www.ilcpbook.com