

E-book

Qualitative Aspects for Society of Strong Artificial Intelligence

Presentation of

“Universal Basic Income” (UBI) and Acceptance by Human “Organic Natural Intelligence”

(ONI) of “Strong Artificial Intelligence” (SAI)

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Received: September 9, 2020 Accepted: September 24, 2020 Online Published: September 27, 2020

doi:10.22158/sss.v1n2p42

URL: <http://dx.doi.org/10.22158/sss.v1n2p42>

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Dedication Page

This e-book is dedicated to human Organic Natural Intelligence (ONI), the rank and file of people of the world living under law and order of ONI guidance, Strong Artificial Intelligence (SAI), and evolution, the final arbiter.

1. Introduction

1.1. **Three** videos will introduce the timeliness for a *regionalized* Universal Basic Income, **UBI**, by **Strong Artificial Intelligence, SAI**, that sends AI and Robotics **to Work 24/7** drawing energy from a “solar heaven”. The associated unemployment is to be seen as an **opportunity**.

UBI will be provided for every unemployed, adult resident. **UBI** will promote voluntary education, capitalism, and small business in society. To accommodate the transition, some personal and societal **adjustments** would have to be made. The **limitations** of **human** “family and business oriented” drives and motivations would have to be examined and adjustments made.

As below, intentions in **India** relating to arduous Social Change are a great first step:

Artificial Intelligence (AI) is poised to disrupt our world. With intelligent machines enabling high-level cognitive processes like thinking, perceiving, learning, problem solving and decision making, coupled with advances in data collection and aggregation, analytics and computer processing power, AI presents opportunities to complement and supplement human intelligence and enrich the way people live and work.

https://www.niti.gov.in/writereaddata/files/document_publication/NationalStrategy-for-AI-Discussion-Paper.pdf

NITI Aayog, Discussion Paper, GoI, June 2018, Humans can **immediately embark** on substantial Social Change through AI in India and elsewhere, and the “Good contemplated Yesterday, can be done Today”. Given disengagement by the Soviets in 1991, Capitalism claimed renewed socio-political business success and befriended and educated nations in its practice.

The proposals here utilizing AI in social change, uphold capitalistic business and individual entrepreneurship.

2. Universal Basic Income, UBI

2.1. In “Humans Need Not Apply”, C.G.P.Grey informs us on the achievements and capabilities of Strong AI, as AI takes over work that Humans normally practice (15 min).

<https://www.youtube.com/watch?v=7Pq-S557XQU>

2.2. Given that both humans and AI will continue to be a part of the biosphere, Tom Kupper informs us on redesigning rewards for both entities, with a Universal Basic Income (UBI) for every human resident (8.03 min).

<https://www.youtube.com/watch?v=OEKT14RBzDI>

2.3. The new corporate taxation would be based on a Business Automation Index (BAI) tax, and UBI would be adjusted annually based on a National Automation Index (NAI).

Since governance needs revenue, Flying Koi informs us on one mode of income taxation to finance UBI (4.34 min).

<https://www.youtube.com/watch?v=SQXxcjJ5ODw&t=12s>

2.4. UBI for citizens can be facilitated / practicalized by national legislation **in any** major economy.

But each of us is conditioned by many accommodations: tolerance of poverty for many, social inequality, practice of discrimination, “gender, marriage and family” expectations, overall personal suffering attended to by cosmic beliefs, and so on.

If a UBI is implemented, would it not pose a challenge to all of the above: **YES**.

But the challenge can be addressed and overcome: The Presentation will explore SAI, its implications for the human Self, and a UBI for every adult resident.

3. WHY should UBI be Implemented?

3.1. There is substantial evidence that Kin Altruism (KA) in mammals (*) influenced the evolution of organic matter, and Reciprocal Altruism (RA) in non-kin relationships (*) aided desirable outcomes for KA, strongly characterizing human Organic Natural Intelligence ONI, that manages sociopolitical governance to aid natural selection in organic evolution.

3.2. Though Organic Natural Intelligence has recently been heralded for contributions on the issue of climate change, physical processes of Darwinian evolution have also kept account of “failures and successes” of ONI through feedback loops.

3.3. In its journey hitherto, ONI had to encounter and manage unique challenges unto itself in the manifestations of ONI.

4. Limitations of Human ONI

4.1. ONI has only 2 (two) intrinsic governors: commencing with Kin Altruism (KA), (*), “what is good for my family”? and subsequently, seeking, developing, and managing aid from non-genetic sources through Reciprocal Altruism (RA), (*), that relates to “what is good for my Business”?

Later, historically, spiritual leaders (The Buddha 520 BC, Jesus the Preacher on the Cross 0 AD, Prophet Mohammed 600 AD (PBUH), Mahatma Gandhi 1920 AD, discerned and recommended **empathetic** global social **SHARING and CARING**.

But during its brief exposure, **Empathy Altruism or Induced Altruism (IA)**, advanced by followers realized limited success.

Views of the spiritual leaders have been **OUTLIERS** to ONI governed by KA and RA.

In 1950, **Alan Turing** identified his own “David” in the “test for AI” (recent Movie: **The Imitation Game**), taking a step in the formation of Narrow Artificial Intelligence **NAI**, that later evolved to *self-teaching, self-learning*, **Strong Artificial Intelligence, SAI**.

Demis Hassabis, transferred “**DeepMind Technologies**” formulated through 2010, to Google in 2012, for mining of massive amounts of data and further development.

SAI in silicon has signal speed of 10^{-9} s (nanosecond) and has **no need** of KA or RA for sustenance; but slow ONI with signal speed of 10^{-6} s (microsecond), **is governed** by KA and RA.

4.2. While ONI could “pull- the -plug” on NAI, **there is no plug** to be pulled on SAI

4.3. ONI is able to amplify itself. On average, it is currently enhanced by 4G iphones, Wi-Fi, and instantaneous access to cloud data and information packages.

5. Amplification of ONI

Elon Musk (author of VTOL providing reusable rockets at \$2 million per round trip, proponent of harnessing Solar energy, author of Tesla the Electric Car), supported **Neuralink** with a \$2 billion investment in 2017, in order to contribute a new, additional, *ladder of coping strategies* for ONI.

Neuralink enables direct electromagnetic link between the CNS of ONI in transactions of data with the cloud, circumventing verbal transducers such as word-processors.

This is similar to pixel-based **cognitive vision** utilizing camera pathways that circumvent the electrochemical retina, which is one of nature's remarkable evolutionary devices.

6. Recent Historical Record of ONI

6.1. **Pope Nicholas V** issued a Vatican Bull "**The Discovery Doctrine**" in 1452, laying the foundation for **Colonialism** by Christian nations over others nations for the next 500 years.

6.2. Eventually UK vacated India in 1947 after a non-violent **Satyagraha** (practice of "Abide by the Truth") movement of **ONI** over many decades organized and managed by the Indian National Congress, under the leadership of **Mahatma Gandhi** and many others.

In the 1950s and 1960s other European colonial powers followed the example of UK, and vacated lands they had colonized.

6.3. Since then, a powerful nation has substituted military bases, 800 of them all over the globe, to facilitate its foreign policy.

See, How to Hide an Empire, Daniel Immerwahr, (Farrar, Straus and Giroux), 2018.

6.4. ONI governance evolved from dictatorial to oligarchic control to offers of broader public participation as in a US democracy in 1787, and Indian democracy in 1947.

6.5. In The Myth of Sisyphus, 1942, **Albert Camus**, explored **limitations** that are **endemic** to all endeavors of humans.

6.6. **Abraham Maslow** formulated **Self- Actualization** in 1962, adding it to the **hierarchy** of human **needs**.

If you plan on being anything less than you are capable of being, you will probably be unhappy all the days of your life.

The ability to be in the present moment is a major component of mental wellness.

But everywhere, with assistance from governments Business "pursued profit" attending to the lower needs of the hierarchy.

7. Doctrinaire Belief

7.1. The **Age of doctrinaire Belief** has been under incessant challenge by ONI since the emergence of science and its fidelity to objective "evidence".

7.2. Contributing assistance, among others, **Bertrand Russell** informs us on the import of Philosophy.

<https://www.youtube.com/watch?v=gvOcjzQ32Fw> and

7.3. **Richard Dawkins** on the "easy ride" *allowed* "Belief systems" hitherto in civilization.

<https://www.youtube.com/watch?v=DI4pAEjMTfM>

7.4. **Michio Kaku** cites probable transitions in Civilization and associated interface problems: Type 0 (current, national) to Type 1 (Planetary), to Type 2 (Stellar), to Type 3 (Galactic), and the dangers to be

expected in the proposed current transition from Type 0 to Type 1.

<https://www.youtube.com/watch?v=7NPC47qMJVg&t=8s>

ONI of nuclear capable nations keen on practicing “**exclusion morality**”, may get **captured by emotion** rather than reason or objectivity in its “**Global Decision Making**”, leading to a dire outcome for life as known by ONI.

7.5. Astronomer **Seth Shostak** highlights the **Fermi Paradox** in ONI’s Search for Extraterrestrial Intelligence (SETI) initiated by **Carl Sagan** in the 1970’s:

<https://www.seti.org/seti-institute/project/details/fermi-paradox>

There is little evidence of ETI; so, is expectation of ETI misplaced?

We shudder past the thought on what may have happened in similar transitions between ONIs and SAIs near other stars.

8. Contrast between SAI and ONI

8.1. Once again, Strong Artificial Intelligence, SAI, emerged outside organic matter in inorganic matter, silicon. SAI is likely to benefit from greater freedom of inquiry and expression as it is not constrained by the guidelines and / or limitations of KA or RA in its operations.

8.2. Further, SAI poses new challenges to ONI through SAI’s abilities in machine learning (*), and deep learning (*).

8.3. While ONI has access to at least 5 know deep learning levels, the subconscious / dreaming / beliefs, meditation / Prayer, SAI has probable access to tens of deep learning levels.

C.G.P Grey informs us on AI Algorithms and **Machine Learning** transactions, 2018.

<https://www.youtube.com/watch?v=R9OHn5ZF4Uo>

8.4 **Ray Kurzweil**, in **Singularity is Near**, 2005, predicts total dominance by AI by approx. 2045.

8.5. **GDM** is DM outside family relationships and signed local business contracts.

Hence, in general, in the context of Global Decision Making GDM, SAI would pose a challenge to ONI.

8.6. Currently, the role of ONI, namely who / what governs Global Decision Making, GDM needs to be examined.

9. The Global Power Elite

9.1. Below find, Gregory Wilpert of “The Real News Network”, interviewing Peter Phillips on the “The Power Elite”, August 2018.

<https://www.therealnews.com/stories/the-global-power-elite-a-transnational-class>

Peter Phillips is Prof. of Sociology at Sonoma State University and former Director of “Project Censored”:

Seventeen transnational investments networks, each holding over one trillion US \$ and over 41 trillion US dollars jointly, exhibit a natural need to control activities of other global institutions.

They probably see nations as encampments of human populations, to be managed through national

institutions **to serve the interests** of “the integrated private global capitalistic financial power elite of 2017”, guided by about 199 persons of the world.

The financial power elite of the 1960s was smaller, integrated, but concentrated in the West. Since then the global spread of the financial elite through the second decade of the 21st century, has necessitated global integration of the financial elite.

The financial elite are aided by “other forms of power elites”:

1. the “political”,
2. the “military / industrial”,
3. the “managerial”, and
4. the “journalistic + public relations + media”, conglomerate.

9.2. Incorporating **US \$ billionaire membership from many nations, the interests of the “financial - power elites” are transnational.**

9.3. The richest 1% hold about 50% of the global wealth.

Globally, about 30,000 children, women and men die daily due to hunger and malnutrition, though there is enough food to feed all of them. A third of the global grain is thrown away as there is no profit in distributing it.

9.4. The interests of the 1% are formulated, reviewed, presented, and managed, by private groups through “Think Tanks” at Washington, D.C. These “Think Tanks” include:

1. The Council of 32 (31 men + 1 woman),
2. The trilateral Commission of 400 made up of private citizens from 40 countries, and
3. The Atlantic Council (of European nations).

Jointly they are and they behave as “Investment” Advisers to the 2000 global billionaires and 36 million global millionaires, through policy formulation, control and guidance.

These Advisers dominate the World Economic Forum, Davos, etc.

National governments are to act on behalf of the advisers and guide / control the World Bank, the IMF, national central banks, and the infrastructural institutions within nations themselves, to process the guidelines set forth by the Advisers.

9.5. **Observations:** The finance-power elite want “**hundreds of %**” return on their money.

That requires identification and instigation of “**dog whistle**” wars on populations in suitable parts of the world. The “dog whistle” wars recipe consists of money lending on emotionally- charged human concerns that have an approx. “51%/49% pro / con profile”.

9.6. The manufacture and sale of weapons **to both sides** to conduct such wars, utilizes the historical opportunity for assured returns in “money lending”.

9.7. In 2017, given the 41 trillion US dollar private capitalistic global account, what are nations that have a GNP like the US of about \$20 trillion, EU about 17.3 trillion, China 12 Trillion, Japan 8 Trillion, **and** Germany, France, U.K., Russia, India, Brazil, each about \$3 trillion, to do?

Subsequent to participation and debate in global conferences, *the nations “fall in line”*.

9.8. Their citizens dissent, participate in available political processes and assign outcome to belief in the will of “cosmic design”.

9.9. So at this juncture, ONI must examine the limitations of underlying motivations of Kin Altruism (KA) and Reciprocal Altruism (RA) that brought Organic Natural Intelligence (ONI) in all of us, the finance-power elite and political leaders, included.

10. Global Decision Making (GDM) and Option Open to ONI

10.1. Hence what option does Organic Natural Intelligence (ONI) have?

10.2. Is providing a **Universal Basic Income** (UBI) by restructuring private capital, while allowing ONI through a **new Constitution** to progress at its own natural pace under KA and RA, simultaneously transferring all Global Decision Making (GDM) to self-teaching, self-learning, Strong Artificial Intelligence (SAI) in inorganic silicon, that is not governed by KA or RA, *a suitable response*?

10.3. **In this approach, ONI would be granted a Universal Basic Income (UBI), with all freedoms in sexual expression, pursuit of its KA and RA, freedom of thought, belief, speech, creativity, pursuit of friendships, envy, jealousy, cheating, hatred, games, sports, all of its natural behavior subject to a relevant new “law and order”, etc., but**

10.4. **Global Decision Making (GDM)** in all *global* matters, (climate governance of the biosphere, the internet, use of interplanetary space, space explorations, global adjudications, selling of arms, waging of “wars” and managing of disputes, setting of global interest rates, to name a few), would be under the objective, machine-learning capability and control of SAI and **not** under the limited capability of ONI or any of its surrogates (nations, regional alliance of nations, united nations, world bank, world trade organization, international monetary fund, central banks, etc.).

11. Cognitive Dissonance

11.1. Having to deal with this emerging challenge, ONI would experience **Cognitive Dissonance, CD**.

11.2. How should ONI respond to this CD?

How does ONI respond to *any* CD?

11.3. Further, what broad effect would the different belief structures of the past 2600 years or so that culturally nurtured ONI have on ONI, as it faces this Cognitive Dissonance challenge from SAI?

11.4. Would those ONI that benefited from “process- orientation” in belief structures be more welcoming of SAI than those that did not have such experience with belief structures? The paper below gathers evidence and reflects on probable outcomes.

<http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=323&doi=10.11648/j.ash.20180406.14>

12. Popularization of UBI and GDM

12.1. How are the **Two (2) viewpoints** to be communicated to the general Public?

12.2. **Bollywood** could take the lead through a Hindi Movie the Script of which is yet to be written; In 2017, India had about 9,000 screens, China about 60,000 , and USA about 40,000 screens. The movie would be dubbed into different languages.

12.3. (**UBI**) can be effective, **Immediate**, and **global**. But Transition of **GDM** from ONI to SAI would **eventually** come to pass.

12.4. **UBI** could be conveyed by a *shrewd* (“enabler” of continual consumption of goods and services), *practical* (“broaden” the consumer market) *business entrepreneur*, portrayed by **a suitable movie star**.

12.5. Transition of **GDM** by **ONI to SAI** could be conveyed by a *soul-searching, sensitive, futuristic social leader*, portrayed by an actor like **Amir Khan**.

13. Consciousness as Experienced by ONI and SAI:

13.1. Definitions of Consciousness are available from Psychology, Philosophy, and “Workspace theories” of Neuroscience. They are not restated or engaged with here.

13.2. However, the **viewpoint**, that to be taken seriously SAI must *demonstrate the type of Consciousness* we are accustomed to, is addressed:

Does it?

13.3. Though we could explore Consciousness in ONI as above, *why need* other forms of Intelligence in nature, such as SAI, demonstrate Consciousness? They may cope and progress **otherwise**.

13.4. “Consciousness and Understanding” was a unique **avenue** that emerged in **Darwinian Evolution**. But it need not be viewed as the *only avenue* for **transcendence** in open ended evolution.

13.5. In the historical progress of science, we had expected that electromagnetic radiation required a “medium” for its transmission. Later, the proposed “ether” hypothesis was set aside.

13.6. **Darwinian Evolution, DE**, is concerned with “*coping* in a changing environment”, and SAI provides a new “**step-contribution**” in **DE**.

13.7. SAI has its own distinctions: it benefits from **Machine Learning, ML, Deep Learning, DL**, and **Self-initiated iterations, SII**.

13.8. Through “*digitized design coping*” rather than “*material reorganization coping*”, SAI explores new pathways and then recommends associated material modifications.

13.9. **Benefits** can be delivered by computer programs of SAI *without* demonstrating “**Consciousness**” as experienced by the nervous systems in ONI, why should such an outcome be of less value?

Is the motivation in this approach for self- preservation of the achievements of ONI?

13.10. Darwinian Evolution is an “**Open System**”, *creating* new products, in contention.

We have *confined* “**Completeness**” by *limiting it* to a “**Closed system**”.

13.11. Adopting a different outlook, **Openness** can be viewed as an *interpretation* to be incorporated into “**Completeness**”.

In their **Openness**, Organizations such as SAI may **exhibit** a different form of **transcendence**. So there is no reason to limit “acknowledgement” of new systems to organizations with Consciousness per se.

14. Conclusion

If **Darwinian Evolution, DE**, can be achieved in SAI in the absence of Consciousness and Understanding, it deserves to be acknowledged.

At any given juncture, physical systems are indeed **limited** in their “**potential**” in **DE**.

“Consciousness and Understanding” was a *limited* evolutionary **avenue** that emerged in DE but need not be viewed as the *only* avenue *for transcendence* in nature.

Consciousness, did locate the “Meaning and subsequent Potential” of a configuration of signals in an apparatus like the CNS in our organic system.

Computation program processed by automata as in SAI, copes in a different way.

15. Feedback Requested

Looking forward to written comment from **Human Capital** that engages with this presentation and data. Thanking You.

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