

IN SEARCH OF A NEW SOCRATES: RE-SEARCHING FOR A FOURTH (HYPER-SPATIAL) DIMENSION

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Abstract

This interdisciplinary study proposes a framework for the human development. Drawing on 15 years of collaborative work, the study examines five key domains inward a critical relation toward peace and progress; and the possibility of moving from a Knowledge Society to a still possible Consciousness Society. The goal is to identify *a coherent set of ideas* that can guide humanity’s future development.

Let us propose a broad conceptual framework for what the *next stage of humanity* should be – let call this the *Next-Steps Human*. The aim is to gather the minimum essential knowledge needed to build a *coherent set of definitions, principles, and propositions* about a *systematic and systemic human development* into the today’s world.

This framework is based on about 15 years of prior work, done by the author (as coordinator) with colleagues in an *International Consortium* called “*Generosity-Creativity-Solidarity*”. The members-participants, within our set of projects (16 major scale works, approx. 45 participants from 10 countries - 2007-2026) were elicited an *interdisciplinary* and/or *transdisciplinary* type of *representation-frames of the problems* – and respectively the *corpus of ‘solving complex-problems’*, meaning it tries to *combine insights from many fields* rather than stay within *one classical-scientific-discipline*.

More specifically, we, the International Consortium members-participants were/are acting and still want to (re-)examine –in continuity– *five major related-areas* (A :- E):

- A. The relationship or tension *between the Natural and the Artificial* in today’s *Knowledge Society*.
- B. The connection between *Biodiversity and Spirituality* into the context of our *global crises*.
- C. Whether *Extended Realities* can improve *Societal Education, Administration, (re-)Construction of our Liberties, (re-)Construction of the Prosecution*, revising the *Communication ⇔ Connectedness, Explanation ⇔ Understanding*, and respectively eliciting a new construct “*Subtleness*” *beyond Probabilities and Fuzziness*.
- D. Whether new professions such as “*Peace Entrepreneurship*” and “*Progress Entrepreneurship*” are possible-necessary-sufficient.
- E. Whether humanity can-will-must move from a “*Knowledge Society*” to a “*Consciousness Society*” – *which is the price/benefit?*

Keywords

“CIRCULARITY” - “RHYTM” and “LABYRINTH” - Next-Steps Human, “Generosity-Creativity-Solidarity” - “Natural-Artificial Dualism”, New Socrates - “Peace Entrepreneurship” and “Progress Entrepreneurship” - COMPUTING–Bio-COMPUTING–Quantum-COMPUTING, COMPUTER SCIENCE–Bioinformatics–Artificial {Intelligence-and-Life}, from “Knowledge Society” towards “Consciousness Society”.

Introduction

Our Humanity is facing *major crises and transitions* – within a *hardly understandable/explainable millennial high-heritage*, (mostly an *exponential technological*) *challenge*, (mostly a *war-peace-war cyclic*) *non-humanist perspective* – facing (mostly within an *incredible indifference*) *limitations* (e.g. societal and individual inequalities – an ascending *poverty/welfare* ratio), and *paradoxes* (sadly-beyond the Ancient

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Greek logical paradoxes) - e.g. a step-by-step revert to a global bipolar world - in spite of the cruel lessons of the Cold War period 1949-1989 – one of this hard lessons being the *Cuban Missile 1962 Crisis* near-near to a IIIrd World (escalating into an all-out nuclear War...).

To “*systematically and systemically respond*”, we need a *new integrative vision of the human being and society*, one that combines “*technology, ecology, spirituality, peace, progress, 1641 Descartes mind-body dualism-construct, and our human’s hardly understandable/explainable awareness-insight-mind/heart-conscience-consciousness-action*” – *but obviously real/reality-exiting and probabilistically/fuzzy/subtle acting-reacting*). (Smith, 1759) (Kant, 1795) (Arrow, 1963) (Bateson, 1972) (Lorenz, 1974) (Marcus, 1990) (Vallée, 1995) (Nicolescu, 1996) (Malita, 2009) (Laouris, 2025) (Anastasiou, 2026)

1 | The relationship and/or tension between the ‘Natural and the Artificial’ in today’s Knowledge Society – About the Discourse on Re-Searching for a Fourth (Hyper-Spatial) Smart Cities’ Dimension of. Let Pose a Core Inquiry: Do the Systemic and Indicator-Based Frameworks of Smart City Entities Exhibit Greater Self-Validation when Driven by their Historical and Contemporary/Future Trajectories? [A.-E.]

1.1 | Not firmly following a deterministic quasi-statistically trend about the relation “Smart Cities ⇔ Knowledge/Consciousness Society”

The rhetoric two-inquiries from the title of this paragraph 1 | [A.-E.] does not firmly follow a deterministic quasi-statistically based trend (that would be suited for a ‘brighter-and-smarter’ nexus as the National Statistic Centers are); i.e. caused mostly by the ‘absence’ of related data to the recent-past-cohorts-populations of great Cities comparatively to the actual worldwide Smart Metropolis. E.g. Is New York a Smart City? If partially-YES, then ‘Are the members of a respective Smart-Segment in the Metropolis interested/informed by an INDICATORIAL EVOLUTION from the PREVIOUS CITY – INDICATORIAL-ENTITIES to the New York Smart City’s RECENT INDICATORIAL-ENTITIES’? Or, have the New Yorkers fuzzy-indifference related to the existent ‘local asserted’ stance and/or related to the near future existent ‘Indicatorial Comparatively asserted’ stance?

Indifferent of the situation -but considering that the INDICATORIAL EVOLUTION is ‘somehow’ asserted- then, it stands up a great-new COGNITIVE and PRAXIS-ACTIONAL context, and let the COMPARISONS effect to be ‘now-open’. Would all these influences, at least, to the LEADERSHIP of the respective Smart City? I.e. {alternative/other plans/programs; ‘dynamic-other’ objectives; other experts/other positions-jobs; other ‘city-style’; ‘ascending-originality-by-any-cost’ ...}!?!

But it is possible that, also, some segments of population to be SUBTLE INFLUENCED too – and to appear SMART CITIZENSHIP’S (RE-)ACTIONS – more or less significant into the large Smart City’s life and an adapted/changed management for a rational improved (re-)action versus these COMPARISONS / new types of smart-city data... / unexpected new types of city-style and ‘originality’ / ...

Each line of this INDICATORIAL EVOLUTION must be on an EQUIVALENT SUITABLE BASIS FOR A COMPARISON: e.g. at a comparatively equivalent set of population – e.g. per 100,000 PREVIOUS CITIZENS versus an equivalent (possible more than) 100,000+ CURRENT CITIZENS.

This paragraph is bordering a set of CONSTRUCTS-TENSIONS of a still possible INDICATORIAL EVOLUTION (Ascend/Stationarity/Descend) per each ‘new’ SURVEY – i.e. evolutions from the CONTEMPORARY KNOWLEDGE SOCIETY towards a real/realistic-SMART CITY SOCIETY. Is this ‘last stage’ a facete of a CONSCIOUSNESS SOCIETY – or ‘fuzzy not yet’? If ‘not’, then ‘When and how would it be’?

So, here and now, it is bordering the following set of INDICATORS for/towards: per 100,000 PREVIOUS/CURRENT CITIZENS the numeric data on: {Cybernetic Criminality / ‘Classical’ Criminality // Level of (e-)Education/Abandon/Illiteracy/(e-)Books Reading // Level of Happiness/Alienation / Active-Reactive Evolving Knowledge / Knowledge Usefulness at the new/‘classic’ Jobs Finding/Changing / Emigration/Immigration // Specific Level of Diversity / Genders-balance multi-ratio / Changed Sex // Marriages/Divorces/Separations // Level for Problematic-Childhood // Problematic-Health --- mostly

severe-Depressions // Levels of (e-)Liberty/Prosecution // Levels of (e-)Administration // Levels of (e-)Peace-role(s) ...}.

1.2 | “Digital Transformation” as a contemporary ‘e-RENNAISSANCE’ entitlement. Could not be the ‘Collective Intelligence’ of a SMART CITY directly-sensed to the today “Leading for the People, Accelerating with the Digital”? – an inquiry as a local/worldwide address (Introduction)

Let assert the ‘centennial’ (i.e. mostly after 1950) turning point of the “Leading for the People, Accelerating with the Digital” as a **contemporary ‘e-RENNAISSANCE’** entitlement(s).

Why does the set of the (last stage **matrix**) **10 x 9 constructs-tensions** within this study/paper [and the adjacent supporting **part and paragraphs**] stand up now – evoking and more inquiring, **only and only within on a first stage**, about the entitlement(s) “**Leading for the People, Accelerating with the Digital**”? Thus evoking and more inquiring on a contemporary keen-thematic // open/closed reservoir of ideas // crisp/fuzzy/subtle venue of a smart (e-)dialogue and (e-)negotiation between some/maybe ‘all’ co-operant parties – interested into the matter it would continue the step-by-step advance to any more “future ages: namely, that they will not resemble the present.” – just as **Jorge Luis Borges** focused on the limit of the prospected our future...

1.3 | ‘Let it be ourselves’: i.e. actually a (RE-)HUMANIZATION... long-term attempt ‘by/not-by’ “Leading for the People, Accelerating with the Digital”

This attempt ideally would draw up, at least, a societal consequence to the inner subtle sense of the knowledge hardly grasped by ourselves -the HUMAN KIND- from **Adam SMITH** and **Immanuel KANT** (end of the 18th century) towards -on a long unpredictable track -and- societally ‘arriving’ to **Everly Brothers’** << Let it be me >> song, (Everly Brothers, 1959) |and| **Billie EILLISH** “What Was I Made For?” (Eillish, 2023).

Let consider, into a subtle societal sense – that an INDICATORIAL EVOLUTION is a kind of a ‘**free will**’ **societally {required/‘imposed’ political leadership} conception/action** more, and an end-stage Cartesian anti-thesis entitlement related to all these ideas as standing up by the **both EVOLUTION’s** contemporary steaming-engines - i.e. {SELF-ORGANIZATION (elicited at the aggregation-levels: individual|...|societal); CO-ORDINATION; ...!?!?}:

Would an INDICATORIAL EVOLUTION be correlated/concordant to the POST-KANTIAN Revised/Adapted [1795-2024] - “ETERNAL PEACE” construct and its ideality as a Humankind’ SINGLE POSSIBILITY of integral ‘SURVIVAL’ ‘before’ and ‘beyond’ the humans(?) settlement on Mars ‘neighbor’ planet? (Descartes, 2018) (Fromm, 1976) (DeTombe, 1994) (Weber, 2000) (Gâf-Deac, 2013) (Mattessich, 2014) (Stavinschi, 2017) (Bulz, 2021)

---YES--- maybe through a worldwide (e-)‘Earthly’ - “ETERNAL PEACE”- Construct/Action taken up and operatively consonant-activated through ‘COMMUNITY/COMMUNITIES’ Construct(s)/Action(s) taken -complementary- but not only/through a desired triad-unique-block of hard-aggregated ‘IDEAL/MODEL/(hypothetical)REAL/REALITY’ cognitive and actional elements... (Dumitriu, 1944) (Constantinescu, 1990) (Helerea & Sofonea, 2002) (Bulz, 2013) (Bulz, 2021)

Considering that the INDICATORIAL EVOLUTION is ‘somehow’ asserted, then, it mostly logically stands up into a great-new COGNITIVE and PRAXIS-ACTIONAL context.
But, let’s up the COMPARISONs Start-and-Effect to be open.

Would all these ‘last stages’ be ‘facets’ of a **CONSCIOUSNESS SOCIETY** – or ‘fuzzy not yet’? If ‘not’, then ‘When and how would it be’? (Drăgănescu, 2009) (Bulz & Stoica, 2011) (Mengalli & Aparecido Carvalho, 2023) (Gafton, 2024) (Lecca, 2024)

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But, so - here and now, these **CONSTRUCTS-TENSIONS** are **resulting only cognitively (not yet experimentally, or experiential)**. These **CONSTRUCTS-TENSIONS** are bordering the following set of INDICATORS for/towards: per 100,000 PREVIOUS/CURRENT CITIZENS the numeric data on; ‘co-laterally’-versus *"Leading for the People, Accelerating with the Digital"* [LPAD]:

// 1

Level of Cybernetic Criminality / ‘Classical’ Criminality ‘co-laterally’-versus [co-lver] LPAD

// 2

Level of (e-)Education / Abandon / Illiteracy / (e-)Books Reading “co-lver LPAD”

// 3

Level of Happiness/Alienation / Active-Reactive Evolving Knowledge / Knowledge Usefulness at the Jobs Finding / Changing / Emigration / Immigration “co-lver LPAD”

// 4

Specific Level of Diversity / Genders-balance multi-ratio / Changed Sex/Genre “co-lver LPAD”

// 5

Marriages / Divorces / Separations “co-lver LPAD”

// 6

Level for Problematic-Childhoods “co-lver LPAD”

// 7

Problematic-Health --- mostly Depressions “co-lver LPAD”

// 8

Levels of (e-)Liberty / Prosecution “co-lver LPAD”

// 9

Levels of (e-)Administration // Levels of (e-)Peace-role ... “co-lver LPAD”

// ...

... “co-lver LPAD”. [so, it is suggesting that here is presented an open list... – e-waiting for interactive / iterative completion from the e-readers, etc.]

So, upward there are openly presented “// 1-:9...” lines of **PROPOSED INDICATORS within the necessary cycles of ‘acts for/of improving’ the *"Leading for the People, Accelerating with the Digital"* [LPAD]**.

Thus, re-taken the suggested consideration of referring “into a SUBTLE SENSE” - more; into this context, it is **necessary and possible** to affirm and acclaim the “co-lver LPAD” diligence, “co-lver LPAD” smart work and the next “co-lver LPAD” perspectives within a subtle “co-lver LPAD” openness to the SMART CITIES RESEARCH AND PRAXIS DOMAIN by the (only a few - here and now) NUCLEI.

These are NUCLEI OF POSSIBLE ELICITING ORIGINAL “co-lver LPAD” APPROACHES AND THEORETICAL / APPLICATIVE “co-lver LPAD” CO-OPERATION.

This line of conception-(re-)action would tend and/or would consist through mutual intellectual consonance between the real open new stages authored in and the lines of this current study to ISSS, and worldwide addressed.

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So, these **forecare– foreseen–forecasting–prospecting–proceeding NUCLEI of a current-dynamic content** and a **respective mutual intellectual consonance/action** to the respective {e-system & e-environment} of a **SMART CITY dynamics** would refer to:

- Subtle inquiring the (hypothetical) perspective of “co-lver LPAD” ‘governance structures, together with the whole society’, to “co-lver LPAD” ‘BECOME SMARTER BY USING SMART TECHNOLOGIES’;
- The COMPLETENESS AND CONSISTENCE of the preview towards “co-lver LPAD” SMART CITYS/SOCIETIES as a ‘harmonic (coherent and cohesive) set’ of ‘building e-blocks’ of “co-lver LPAD” {smart governance, smart mobility, smart infrastructure, and smart living, ...};
- Introducing ChatGPT, or else AI next stages INTERACTIVELY SOCIETAL PROCESSORS, into both ‘E-Government 3.0 within Enhanced “co-lver LPAD” Local Democracies’ and “co-lver LPAD” ‘Post-Kantian Revised/Adapted --- [1795-2025] -‘Eternal Peace’.
- “co-lver LPAD” ‘SENTIMENT ANALYSIS of public services for a smart/consciousness city/society’;
- ...

The affirming and openly-enlisting, here, of these four ‘nuclei and a respective pre-figurate-mutual intellectual consonance/action’ would not be possible without an affirmation/acclaim that it would be even consider as not only emerging from the ‘our currently BEST’, and from the much-used-‘pro-democratic – affirmed fairness’ as a still “fair LIGHT OF KNOWLEDGE” / ”pro-democratic STARS OF INFORMATION” versus a “fair CONTROL OURSELVES by pro-democratic ELICITING OURSELVES”. (Haken, 1983)

So, re-citing Herbert Simon versus his originally subtle revision on the construct “Administrative Behavior”, then it is to re-attention on the necessary and still possible “operatively consonant-activated “co-lver LPAD” ‘COMMUNITY / COMMUNITIES’ CONSTRUCT, complementary, but not only through a desired triad-unique-block of hard-aggregated ‘IDEAL/MODEL/(hypothetical)REAL/REALITY’ cognitive and actional elements...”.

Also, re-re-citing Herbert Simon may be the locus to affirm an expression upon the critical contemporary Science ⇔ Life (as a Subtle Praxis): i.e. about the existence of the following six GAPS - /// A :- F:

/// A: Society – Sociology;
/// B: Economy – Economics;
/// C: Policy – Politics;
/// D: Sociology - Economics – Politics;
/// E: Society – Economy – Policy.

Then {/// A :- E} -- > /// F...: APPLIED ETHICS / ... / PRACTICAL PHILOSOPHY... (i.e. a proposed-open epistemological string). (Gödel, 1931) (Bertalanffy, 1968)

* These GAPS - /// A :- F... could be ‘observed’ as ‘interacting’ [‘according to a subtle societal causality’ – and a ‘resulted reaction’ acting as ‘Societal Feed/Back-Before’] with the above presented (recommended/possible) “INDICATORS for/towards: per 100,000 PREVIOUS/CURRENT CITIZENS the numeric data on; ‘co-laterally’-versus Leading for the People, Accelerating with the Digital [LPAD]”:

// 1 -- // 9 ... So, let consider ‘this innovation’ as eliciting/introducing a MODEL through a ‘new’ type of NEURAL NETWORK: a MATRIX [LINEs X COLUMNs] of

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“Interactively/Iteratively Re-Conceptualization towards a Societal Improving of the lines of the PROPOSED INDICATORS within the necessary cycles of ‘acts for/of improving’ the “[LPAD]”

The bounded (here and now) **LINEs that are nominated by: /// A :- /// F** (so marked into the above “the <<(CENTRAL) NUCLEUS-PART of this study, AND (matrix-)pointing “The existence of the GAPS”: A: Society – Sociology /// F... .

So, it is the ‘place’ proper to **INVITE** the (e-)participants at the actual **International Society for Systems Sciences’ 70th anniversary Conference in Larnaca, Cyprus, June 23-26, 2026** to *pave the above presented knowledge – so, i.e. asserting (or ‘no’) on this NEURAL NETWORK - together* with the *author* of this study and the organizing *personalities* (of this anniversary Conference) to whom this paper/study is initially-explicitly dedicated as well.

**** The open level of the COLUMNS is nominated by:**

// 1
Level of Cybernetic Criminality / ‘Classical’ Criminality ‘co-laterally’-versus [co-lver] LPAD
.....
.....
// 9
Levels of (e-)Administration // Levels of (e-)Peace-role ... “co-lver LPAD”

// ... [i.e. “open level”] ... “co-lver LPAD”.

The new type of **NEURAL NETWORK**: a **MATRIX [LINEs X COLUMNS]** = {/// A :- /// F} X {// 1 :- // 9; // ...} is:

Exhibit 1. An Example of a new type of **NEURAL NETWORK** related to an ‘merged_-optimal search’ between the **PROPOSED INDICATORS** and the **LPAD X Great Contemporary Gaps**.

// - ///	// 1	// 2	// 3	// 4	// 5	// 6	// 7	// 8	// 9 ...
/// A									
/// B									
/// C									
/// D									
/// E									
/// F									
...									

Source: Please receive the fact that this is an original new type of NEURAL NETWORK related to ...

*... the all above affirmed/enlisted ‘nuclei and a respective mutual intellectual consonance’ that are foreseen as an **open way**... as the **fuzzy/subtle searching optimal intersection** between the **9... indicators** and the **6... constructs-tensions**: a **SAINT ANDREW’s quasi-Cross... TOWARDS A NEW SOCRATES**.*

2 | The relationship or tension between the Natural and the Artificial by Re-Searching for a Fourth (Hyper-Spatial) Dimension. Let ALSO Pose a Core Inquiry: Do the Systemic and Indicator-Based Frameworks of the multidisciplinary domain “Design AND Creative Technologies” could transit to an inter/trans-disciplinary domain “Design and Arts, AND Creative Technologies and Consciousness

Meta-Technologies” by Greater Meta-Self-Validation, also, when Driven by their Historical and Contemporary Trajectories? [A.-E.]

2.1 | Not firmly following a subtle quasi-statistically trend about the relation “Knowledge Society (mostly based on Smart Cities) ⇔ Knowledge/Consciousness Society (mostly based on Meta-Smart Humans and their Peaceful-Smart Cities)”

Beyond a *spatial-temporal-causal analysis and synthesis* referring ‘some frequent bibliographical phrasing into the multidisciplinary domain “**Design AND Creative Technologies**”, considering the contemporary quasi-generalized *non-inter/trans/co-disciplinary day-by-day stance*, let here and now briefly refer to the “**Design and Arts, AND Creative Technologies and Consciousness Meta-Technologies**” contemporary realms focusing on the following three obvious/critical focused-domains – by the following explicative examples:

‘**Art and NO_Technology**’: The *contemporary-real-NO-understanding* on the PROFOUND COGNITIVE SENSE related to the Graham Cave – Gibraltar – *cave-stone-‘lateral’ engraving* by one of [maybe] the last Neanderthals:

Exhibit 2. There is evidence of Neanderthals’ occupation over a span of more than 100,000 years – within a, then, approx. 12,000 years ago ‘mysterious extinction’ - i.e. Gibraltar case: Gorham's Cave.



<<In July 2012, archaeologists discovered an engraving in Gorham's Cave, buried under 39,000-year-old sediments, which has been called "**the oldest known example of abstract art**". Consisting of a series of intersecting lines, the engraving is located about 100 meters (330 ft) inside the cave on a ledge that is thought to have been used by Neanderthals as a sleeping place. Its meaning (or whether it had any meaning) is not known but researchers have described it as providing the **first evidence that Neanderthals had the cognitive ability to produce abstract art**.

The engraving was clearly made deliberately, rather than being an accidental by-product of another process such as cutting meat or fur, and would have taken a **significant amount of effort to carve into the dolomite rock of the cave**.>>. (NATURE, 2014) (Galway-Witham et al., 2019) (Stringer, 2024)

Exhibit 3. Gibraltar, Gorham's Cave "the oldest known example of abstract art".

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‘NO_Art and Technology’: The *contemporary-real-NO-‘firm’_explanation* on the PROFOUND COGNITIVE & ACTION SENSE related to the *Ancient Greek bronze astrolabe (?)* - the ‘**Antikythera mechanism**’ – found into the Aegean Sea, in 1901. A ‘first’ analogue computer [?] – dedicated to the forecasting of cosmic movement [?]. It was <<dated to about 87 BC, between 150 and 100 BC, or 205 BC>> <<Machines with similar complexity did not appear again until the 14th century in western Europe>>.

Exhibit 4. ‘Antikythera mechanism’



‘Art and Technology’: The *contemporary-real-NO_subtle-understanding & explanation* (i.e. *source of idea, what is the message? is it a History of Arts’ uniqueness*) on Salvador Dali’s masterpiece “***In Search for the 4th Dimension***” (1936).

Exhibit 5. Salvador Dali’s [‘time-space’] two masterpieces: Salvador Dali’s [just entitled paintings as the] “The Persistence of Memory” or “Melting Time” (1931) / “Searching for the Fourth Dimension” (1979).

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These (above) three explicative examples are ‘negative-existence-standing’, but are real (INTO A GREATER REALITY), and, here and now, are standing only to *subtle-briefly* ‘bound and anti-thesis-tickly a profoundly possible-elicited act of OURSELVES – the contemporary humans on each related domain to/of MULTI/INTER/TRANS-DISCIPLINARY DEDICATION(s).

Also, the below-continuous text-track [after the above initial approach through this study] is standing arguing/trying to (re-)present the *possibility and the consequent benefic stance of an interdisciplinary dedication*. Maybe, within some contextual limits; also, an ‘*inter/trans/co-disciplinary---interculturally---ecumenically/open philosophically*’ dedication would arise within another possibility versus the respective current-inquiring-for-an-Eternal_Peace consequent benefic stance.

It would be possible into a today necessary *Network of Networks of Science/Technology // Culture/Arts // Religion/Philosophy /// Society – ‘not’ ignoring/but-focusing a kind of “Search of a New Socrates – Re-Searching for a Fourth (Hyper-Spatial) Dimension”*. (Dali, 1931)

Within a modular set of paragraphs, then, please e-see/receive the data of two larger studies – SSRN e-published – that (implicitly) stands as my address to an entity as ISSS is: I.e.

Bulz, Nicolae, The Contemporary Sciences, Praxis, Logics, and Societal Change, and the ‘Communication-Connectedness’ Versus Descartes’ and Ourselves’ 400 Years From the ‘Mind-body Dualism’ Elicitation (March 6, 2024). Available at SSRN: <https://ssrn.com/abstract=4750594> [safe and free download]

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Bulz, Nicolae, Management, Communication, Design, Cognitive Science, {Mind/neuro, ...}, Their Praxis, Inner Logics, and the Openness Towards a Societal Change (Functional Adaptation; Structural Evolution; ...) and the “Communication” < = > “Connectedness” Interface(S) (March 10, 2024). Available at SSRN: <https://ssrn.com/abstract=4754456>

ABSTRACT-ing the prospected next steps within a set of ideas, constructs / concepts, quasi-axioms, quasi-definitions, propositions, praxis case studies, there is REFERRING (with modesty) TO MYSELF – the author, as a personal proof of a possibility to adhere to:

an INTER/TRANS/CO-DISCIPLINARY / INTER-CULTURAL / ECUMENIC worldwide strategy/operation/tactical day-by-day attainment as much as possible an INTER-RELATED approach FOR a ‘TOGETHER facing’ the LOCAL/GLOBAL PROBLEMS...

Let release the worldwide positive energies to resonate, creatively, to the DESCARTES’ 1641 turning point, and with GENEROSITY-CREATIVITY-SOLIDARITY tracks of prospecting/to do more for our BLUE PLANET, for ourselves – between our so brave surviving PREDECESSORS and our Cosmic most future SUCCESSORS...

* A still-open creative-frame [expecting the collaborative implying of the (e-)readers]; there is the expectancy for cognitive enlargement-contributions – other alternative/complementary/opposing solutions and (re)presented tensions could (comparatively) step-by-step stand up BY:

* An expected inheritance slice from a post-IMMANUEL KANT a priori (e-)spatial-temporality-causality... / ‘Critical Pure Reason’ (1781/1787) – ‘Critical Practical Reason’ (1788) – ‘Critical Judgement’ (1790) ...

* And from another slice of post-ADAM SMITH ‘Nature and Causes of the Wealth of Nations’ - (1776) / AND / ‘Theory of Moral Sentiments’ - (1759)...

* These flows of the creative-frame and of these inheritance slices are emulating the elicited tension of acknowledgement of our (e-)World’s “CIRCULARITY”, “RHYTHM” and “LABYRINTH” – as worldwide (re-)divided contemporary tensions versus the systemic ‘main’ properties SYNERGY, NON-ENTROPY – EPHEMERALITY (to do ‘more and more’ objectives with ‘less and less’ resources).

* These elicited tensions of acknowledgement are depicted within the cognitive and actional features from ourselves, the contemporary humankind, within the probabilistic, fuzzy, and subtle re-focused contents of the ‘KNOWLEDGE versus societal FRAME’, and of the possible-sustaining steps of (re)presentation within the (objective) inner space { ‘to BE’ X ‘to HAVE’ } [existence X possession] – subtle addressing the, also, the (subjective) inner meta-spaces from ourselves into the unprecedented carousel of our day-by-day lives and possible meta-lives.

* There are presented the address(es) to the following set of concepts/constructs: {Mind / Heart / Integrative Human Being, Objectiveness, Society, SPIRITUALITY-BIODIVERSITY / CONSCIENCE / CONSCIOUSNESS, Subjectiveness, SUBTLENESS, synergic societal topics}.

* The surprising holistic perspective on our contemporaneous world – from {ERICH FROMM, KONRAD

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LORENZ, ...}.

* How are standing today the fundamental outlook for our contemporaneous world – from {IMMANUEL KANT, ADAM SMITH}?

-- Here and now, there are [but at a yet draft stage; next e-collaborative stages are expected/'invited']:

** An aggregate effort of trying to explain the content of a day-by-day life, but within an inter-meditation and (e)-search for expanding, modifying, re-representation of the initial proposed knowledge – new constructs / knowledge procedures toward a bit of more worldwide happiness / inside the 'contemporary societal/economic/political tornado' apart from an 'eternal Kantian Peace'.

** A multi-folder draft with dedication to remarkable personalities [that, through discussions/debates were influenced the respective poster-author; also, their enlighten long-term scientific works are worth of (e-)public acquaintance and enlarged recognition – with influential knowledge transfer to the (e-)readers].

** An addressing file to the worldwide SCIENTIFIC/TECHNOLOGICAL, CULTURAL/ARTISTIC, RELIGIOUS/PHILOSOPHICAL // SOCIETAL actively inter-related SITES and respective (E-)PUBLICATION, and asking for proposing an open e-debate in order to fulfill any other co-authored related-multi-folder of drafts – thus, at some coherent-sequential stages, there would be proposing and acting-invitations alongside the next steps of a quasi-generalized-regional more-world-favorable view of the INTER/TRANS/CO-DISCIPLINARY re-representation and interactively subtle-smart-solving of the identified EARTHLY CRITICAL GLOBAL PROBLEMS.

** Conclusively, just at the end of this PORTFOLIO study/draft, there is proposed a PROJECT as:

1641 – towards the 400 years from the 'MIND-BODY DUALISM' – DESCARTES' turning point – and ourselves towards 2041:

A turning point:
a Coherent but Poly-Logic (e-)World – as a Cross-Road of (e-)Worlds.

Why not to 'repeat'?

*** i.e. Please, also, all interested (e-)readers, are invited to propose their synergic intellectual contribution to this project.

*** and i.e. "Let worldwide positive energies to resonate, creatively, to the DESCARTES' 1641 turning point, and with GENEROSITY-CREATIVITY-SOLIDARITY to do more for our BLUE PLANET, for OURSELVES – between our so brave surviving PREDECESSORS and our Cosmic most future SUCCESSORS..."

2.2 | Horizon [H]: Post-frame to a sub-project of 'consolidation/aggregation' of 17 inquiries

Let preview, here and now, at the following set of 17 inquiries [as a SUB-PROJECT OF CONSOLIDATION – of the knowledge from the sub-paragraph 2.1]:

H 1: What is 'Life'?

H 2: What is 'Life - Society'?

H 3: What is 'Consciousness'?

H 4: What is 'Life - Society - Consciousness'?

H 5: What is an INTEGRATIVE stage to/on 'Life - Society - Consciousness'?

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H 6: What is an INTEGRATIVE stage versus Plato's holistic (*in ovo* idealistic) view to/on 'Life - Society - Consciousness'?

H 7: What is an INTEGRATIVE stage versus Aristotle's holistic (*in ovo* materialistic) view to/on 'Life - Society - Consciousness'?

H 8: Is there the 'conflict---non-consensuses between the INTEGRATIVE stages versus Plato's --&--- versus Aristotle's holistic two views to/on 'Life - Society - Consciousness' the source of the long-term European Drama of 2500 years from Socrates' period towards our times?

Heritage, Challenge, Perspective, Limitations and Paradoxes - facts and acts - paradigms...

H 9: Which were, or maybe are the roles of S. AUGUSTINE and S. THOMAS DE AQUINAS ulterior 'revisions'/references on PLATO's ---&--→ ARISTOTLE's holistic two views to/on 'LIFE - SOCIETY - CONSCIOUSNESS'?

HERITAGE, CHALLENGE, PERSPECTIVE, LIMITATIONS and PARADOXES - facts and (re-)acts - contemporary paradigms... solutions and para-solutions...

H 10: Could be (re-)defined a 'war-peace-war' stance within the 20th century, and within the beginning of the 21st century - as a knot of paradigms?

H 11: Consequences and remarks on the (co-)influence on the contemporary ideal / (hypothetical) real BALANCE within an 'revised-optimized' tension and step-by-step (re-)consolidated societal trend of the evidence and the dynamic characteristics of the SOCIETAL (RE-)DESIGN towards the '(RE-)HUMANIZATION' AS (POTENTIAL) SURVIVAL... in act... /// and prospected to be acted, and acted during 1914-2024 (during the 'last' 110 years!), and more...

Could these years be 'commemorated' or 'anniversary-stated'?

H 12: How could a contemporary human being (politician, businessman, farmer, teacher/professor, student, pupil, ... stand by? How could a societal designer stand by?

H 13: Are there differences on these "4.3. /// H" standings on the West-East, North-South zones of our unique Blue Planet, or no..., fuzzy-no..., subtle-no...?

H 14: Is there possible to construct / to (re-)construct a SCIENCE/CULTURE/RELIGION NETWORK OF NETWORKS on our unique Blue Planet, or no..., fuzzy-no..., subtle-no...?

H 15: Could be better standing (from the possible 'start') to construct / to (re-)construct a 'larger-conceptual'

SCIENCE/TECHNOLOGY//CULTURE/ARTS//RELIGION/PHILOSOPHY///SOCIETY
NETWORK OF NETWORKS on our unique Blue Planet, or no..., fuzzy-no..., subtle-no...?

H 16: Could be useful a 'larger' construct as 'GENEROSITY-CREATIVITY-SOLIDARITY' better standing than (separate) 'Generosity' / 'Creativity' / 'Solidarity' three constructs within the quasi-consistence and quasi-completeness of a NETWORK OF NETWORKS as are those from '14' and/or '15' inquiries?

H 17: Could be useful, also, a 'larger' construct as 'GENEROSITY-CREATIVITY-SOLIDARITY', and better standing within the 'pre-requisites' of just this study / MEMORANDUM – and respectively within these here-enlisted SUB-PROJECTS OF CONSOLIDATION?

2.3 | “Searching for the Fourth Dimension”

I, the author, *Professor dr. Nicolae Bulz*, am synthetizing a set of (Quasi)Axioms and Propositions - cohesive/coherent- to the below title/entitlement – so, **ADDRESS**-ing all this to the participants at the International Society for Systems Sciences 70th anniversary Conference in Larnaca-Cyprus, June 232-26 2026, as:

“Searching for the Fourth Dimension”

Contemporary (e-)GAPS {according to a SUBTLE (e-)ANALYSIS/(e-)SYNTHESIS/(e-)RE-ADAPTATION/RE-RESTRUCTURING of OURSELVES [the ‘war-peace-war’ stance HUMANKIND], and of the STOCHASTIC and FUZZY FEED-BACK/FEED-BEFORE (e-)NETWORK OF NETWORKS of the contemporary and near-future (e-)WORLD

“RESEARCH for active & subtle QUANTITATIVE/QUALITATIVE METHODS // responding/focused towards the ‘Searching for the Fourth Dimension’ ”

versus the

**“MACHINE LEARNING / ARTIFICIAL INTELLIGENCE / ARTIFICIAL LIFE”.
Heritage, Challenge, Perspectives - Limitations, Paradoxes**

and the

**<<COMMUNICATION>> ⇔ <<CONNECTEDNESS>> ⇔ <<(RE-)HUMANIZATION>>
INTERFACE(S) versus DESCARTES’ and ourselves’
towards 400 years from the
‘MIND-BODY DUALISM’ elicitation (1641).**

These (Quasi)Axiomatic and Propositional affirmations are *according to the content from the page 28/45 of the study:*

Could Not Be The "Collective Intelligence" Of A SMART CITY Directly-Sensed to the "ETERNAL PEACE"?

e-published: - SCRD Preprints section:

<https://scrd.eu/index.php/scrd-pp>

Current Issue Vol. 1 No. 1 (2024) – editorial position: 2/17.

[This e-published study contains three (Quasi)Axioms and four Propositions.]

The 'above' - propositional personal-context of this study could be synthetized as indebted to my:

- ability to act as an academic leader (chairperson for 17 International Symposia / Sessions);
- university teaching experience (20+ university years);
- academic research experience (40+ academic years);
- computer science exploitation and projects design (7+ years);
- industrial operative-interventions and studying current cases (4+ years);
- ability to produce teaching material (University manuals: 2; course notes: 4);
- scientific publications (11 books, 134 international publications, >79 international communications) and other research results with scientific value (founder of an Interdisciplinary Laboratory, 2000).

{According to the above evoked set of (Quasi)Axioms and Propositions) i.e. [here and now] to focus on the respective 'last' Proposition:

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The author (with sincerity) considers as proper to enumerate his knowledge on Automation / Computer Science / Knowledge Management versus the extended concepts of {Probabilistic and Fuzzy approaches} with the {Subtleness approach: Circularity; Rhythm; Labyrinth – Magellanity – Möbiusity – Information/Knowledge Journey / Natural-Artificial Dualism / Subtle Corpus ...} [20+ years on teaching]. This knowledge is putted at the disposal of the International Society for Systems Sciences' 70th anniversary Conference.

This knowledge was positively useful at my university courses of '**Operational Research**' - '**E-Systems / e-activities**' – '**Systems Modelling and Simulation**' / and to the respective (corelated/concordant) research activities.

Remark on 'In Search for the 4th Dimension': (as a both *probabilistic*, *fuzzy* and *subtle* aggregated co-stance, and respectively a *surjective* stance): The relatively long-term interaction of the {NEANDERTHAL ancestor} $\Leftrightarrow$ the {CRO MAGNON ancestor} – the PARADIGMATICAL case propositional-exposed is to be linked to the *global inquiries* (i.e. within the plenary session) of the International Society for Systems Sciences' 70th anniversary Conference:

A New Language of History: Meeting Humanity's Greatest Challenges

The Rise of the Right

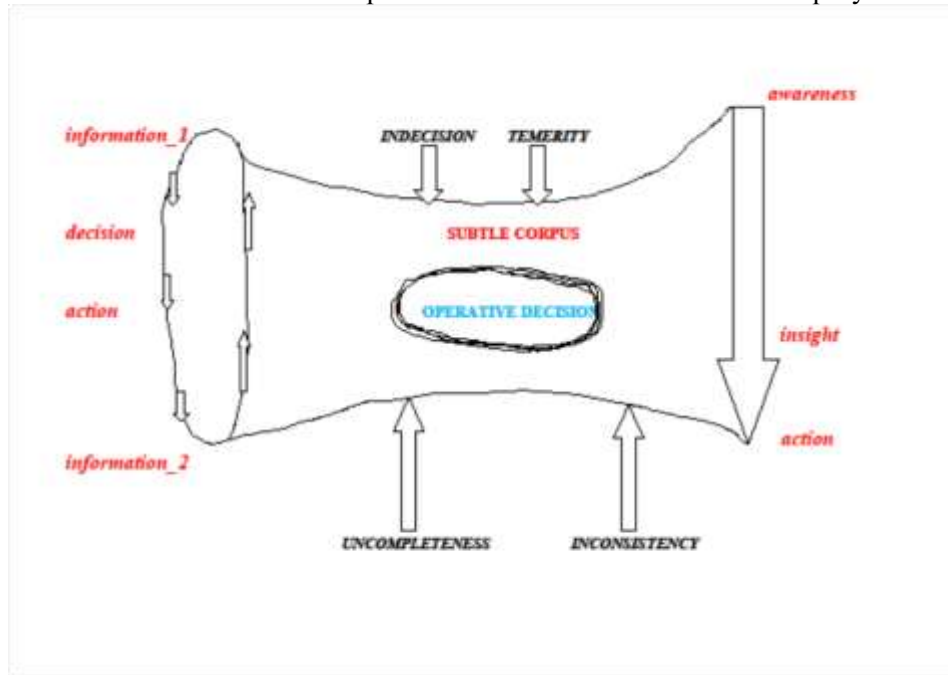
The Bertalanffy Lecture: The Danger of Single-Cause Narratives — Resilience in a Complex World

This positively 'constructive' means an eliciting-step innovatively forward into the approaches on this respective global triadic inquiry and drafting on NEXT PROJECTS and maybe *societal benefic-STRATEGIES-OPERATIONAL AND TACTIC* (at least 'sociologic' / 'societal') states towards the contemporary rhetoric expectations to PEACE and PROGRESS / eliciting new professions e.g. "Peace Entrepreneurship" and "Progress Entrepreneurship" – as an opening stage arising an Inquiring New Socrates ("Know Yourself") by {Defining the *New Societal Scope*, affirming some *Opening Statements*, *tracking/gathering* the obvious and embedded *Information/Knowledge*, aggregating a *Subtle Entireness* of necessary and sufficient *Procedural Protocols*.

But IF bearing in mind the (*high possible*) *wonderful peaceful co-existence of our ancestors in the eve of the Anthropocene: the Neanderthals, the Cro Magnons (maybe other ancestors, too...)*, THEN *our contemporary 'war-peace-war' stance could be re-visited* versus the '*new*' *harmonical/not monotonic 'Patriarchate/Matriarchate' societal type* – towards today facing on more *critical global problems - maybe?* Are these 'traces/causes/perspectives' coherently and cohesively focused by the following SUBTLE CORPUS?

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Exhibit 6. ‘Subtle Corpus’ – as a New Socrates’ Piece of Inquiry



With more than an ethical deterministic-modesty, here and now, just with a subtle -in context- humility, I should rhetorically inquire IF the above graphical presentation of the (personal - originally elicited, implemented, and Knowledge-Transfer-distributed) construct SUBTLE CORPUS would remain as an ideally mentoring stance... to critical-efficiently represent our contemporary ‘war-peace-war’ stance...

IF ‘so’, THEN the cognitive and action embedded traces of our too complex world would be reflected, also, by a prolonged introspection of the explicative/understanding background of the ‘Subtle sets’. Are all these more useful/efficient in act - comparing to the approaches / backgrounds of the ‘classical probabilistic’, and respective ‘contemporary elicited fuzziness’ introspections?

Thus, the concepts of ‘risk’ and ‘incertitude’ would be more faceted than ‘before’

...

Idem to ‘Probability sets’ and ‘Possibilities sets’ of framing the representation space(s) and respective the decision-making domain(s) – on the labyrinthic ways from a “static determinism” towards a “selective determinism” by a merged “heuristic/mixed (mixed // i.e. human-machine/computer) determinism” ... These could stand within the ETHICAL – AESTHETIC – AXIOLOGICAL – PRAXIS – ... facets of the Humankind’s LOGICAL / LINGUISTIC evolution [into a ‘more’ than a <<to BE x to HAVE>> meta-space of representation and decision-making]. (Simon, 1976) (Albus, 1991) (Amoroso, 1997) (Zadeh, 2002) (Woolfson et al., 2008) (Brugha, 2015) (Bulz, 2017).

2.4 | TABULARY expression of the above set of paragraphs/propositions

Exhibit 7. The cognitive and action embedded traces of our too complex (e-)World.

<i>Probability sets</i>	<i>‘Classical probabilistic’ introspections</i>	<i>“Static determinism”</i>	<i>to BE</i>	<i>to BE x to DO</i>	<i>WILL</i>
<i>Possibilities sets</i>	<i>‘Contemporary elicited fuzziness’ introspections</i>	<i>”Selective determinism”</i>	<i>to HAVE</i>	<i>to HAVE x to DO</i>	<i>CAN</i>

Exhibit 8. The labyrinthic ways from a “static determinism” towards a” selective determinism” by a merged “heuristic/mixed (mixed // i.e. human-machine/computer/...) determinism”

<i>The construct SUBTLE CORPUS would remain as an ideally mentoring stance for ...</i> ----- <i>{Probability sets; Possibilities sets; Subtle Sets} in front of the Statistics / Stochastic theories, their Praxis – and possible extension(s)</i> ----- <i>An overview on the contemporary <INDIFFERENCE / ENGAGEMENT / LAZYNESS</i>	<i>The originally elicited, implemented, and distributed construct SUBTLE CORPUS</i> ----- <i>Acknowledging / revising / reverting the (de-)fragmentation of the Human Modes of Thinking: {Analytic; Experiential; Transdisciplinary} as a minimal form of putting in act the possible ‘in progress’</i> <i>INTER / TRANS / CO-</i>	<i>“heuristic/ mixed // i.e. human-machine/computer determinism” ...</i> ----- <i>Acknowledging / revising / reverting the contemporary understood/explained CORRELATION / CONCORDANCE ratio of TENSION in front of the (TERRESTRIAL) RATIONAL SUBJECT... - “the COSMIC SENTIMENT and the ideal of a CONSCIOUSNESS SOCIETY</i>	<i>These morpho-syntactic forms and (hypothetical) innovative semantic patterns could stand within the ETHICAL – AESTHETIC – AXIOLOGICAL – PRAXIS – ... facets of the Humankind’s LOGICAL / LINGUISTIC evolution [into a ‘more’ than a <<to BE x to HAVE>> meta-space of representation and decision-making.</i>	<i>to BE x to HAVE x to DO</i> ----- <i>as a focus of the {Anthropology and Science and Technology Studies}</i> <i>in a re-facing of the</i> <i>Humans’ <morality – beauty – value – real/good praxis></i> <i>in front of the contemporary RISKS...</i>	<i>WILL – CAN – MUST – to DO</i> ----- <i>with a re-focus on the value and ethics of data and digital technologies in a re-revision of the multi-logical acquired varieties re-re-facing of the Logical-Linguistic operational deepness of the</i> <i>Human Existence and Possession</i>
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<i>/ APATHY> knot of HUMAN BEING's stance in front of the contemporary complexity</i>	<i>DISCIPLINA RITY; INTER- - CULTURALI TY; ECUMEN- ISM as still open societal domains reflecting the current scientific, cultural, religious/ philosophic heritage, challenge, perspective, paradoxes, limits, ...</i>	<i>(versus the contemporary KNOWLEDGE SOCIETY)"</i>			<i>--- to BE x to HAVE x to DO reverting the Humans' <i/a/non- morality – ugliness – non-value – wrong/fals e/apparent praxis> in front of the contempor ary INCERT ITUDE...</i>
...	...	...	...	...	...

- The expectance for a (tardive?) **New Renaissance** and/or **Re-vised Enlightenment** – just today.
Is it still possible?!?

2.5 | Yes, it is possible?!?

- ❖ Let re-activate the efforts for a **worldwide post-Kantian 'Eternal Peace'!**
- ❖ Let activate 'some' proposals from the connected communications/studies/papers.
- ❖ Let elicit/grasp other solutions / but "in a subtle **DIALOG** and **NEGOCIATION**" – so, resulting an activate –or not– 'change' of the contemporary 'war-peace-war' millennial and our modern and contemporary dramatic/tragic [too stationary] stance...
- ❖ Within a **beyond space-time-causality systemic and systematic (synergic—non-entropic--ephemeral) MESSAGE (and the correlated information – 'into')** could it be re-sorted an impressive 'a-spatial-a-temporal' **MESSAGE** to the Humankind - ...?!?...

Exhibit 9. ... - re-focusing the **Human Thinking**.



Two clay figurines known as "**The Thinker of Hamangia**" and "**The Sitting woman**", near Cernavodă, Dobruja, Romania, belonging to the **Hamangia Prehistoric Culture**: circa 5,250 B.C.—circa 4,500 B.C.

Discovered by an archeological team (the team-leader was Academician Professor *Dimitrie Berciu*), 1956, near Cernavoda, through an excavation within a *Neolithic cemetery* (cca. 400 graves).

"**The Thinker of Hamangia**"'s dimensions:

Height	115 millimeters (4.5 in)
Width	75 millimeters (3.0 in)

A recognized worldwide anthropological masterpiece:

"*The Hamangia Thinker*" and "*The Sitting woman*"

Author's hypothesis: 'The Thinker (alone – or in a 'males-team') was the clay-modelling author (!?). He is sitting on a tiny chair, but she (pregnant?) is sitting on the earth... but she is thinking too... *Is it the Matriarchate pattern? Yes, or fuzzy not...* Anyway the 4 millennia back had *per se* had a **crucial artistic climax** [not only at a **high-level 'hard'-craftsmanship** - that is necessary for any sculpture - anytime/anywhere] but it is **reflecting/portraying on a 'really piece of thinking' / a 'flash of thinking'** on **a lot of horizons** (including the *in ovo artistic horizon*). Please induce (by yourselves' **contemporary minding up**) the **reaction of the other partner** [than the Hamangia-author] at the finishing – after a high temperature staying – as for any finished-pottery it is. But the '*Hamangia*' community? How was it *then reacting*. Is it an attempting-inquiry on the **Human Anthropocene profoundness...**?

Is the pottery-craft-author a Neolithic ancestor male, or an ancestor female, or there was an else 'collective co-authorship'?

This **Hamangia** pair **masterpiece** is highly consonant within the (beyond space-time) **one Millenia-back-thinking**: from the Neanderthal creator(s?) of the *Gorham's Cave inscription* -- and, *why not?*--- with **the set of information and the set of knowledge** from this study as a paper/communication – 'surjectively pointing' on a **New Renaissance** and/or **Re-vised Enlightenment** –today– (inclusive) by *re-visiting* a '**new**' **harmonical/not monotonic 'Patriarchate/Matriarchate' societal type**.

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So, please, maybe, the context is really open to the evaluators -as (e-)readers- for amendments – corrections – personal contributions. (E-) welcome...

All of these are obvious patterns for an OPEN PROJECT proposed to the International Society for Systems Sciences 70th anniversary Conference:

“Ourselves – Humans’ search of the 4th dimension” ... A New Socrates.

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