

**Compatibility of Reverse Engineering to Knowledge Management model (Md Santo)
with Model – dependent realism (Stephen Hawking)**

<p>Reverse Engineering Methodology applied to Knowledge Management model as high-end of Universe evolution toward quantum level of physics (Md Santo - http://t.co/JaOPUAC8)</p>	<p align="center">Model – dependent realism (Stephen Hawking and Leonard Mlodinow in their 2010 book, The Grand Design)</p>
---	---

<p><u>Considerations :</u></p> <p>Some important basic considerations regarding the plan of Reverse Engineering Methodology applied to Knowledge Management model as high-end of Universe evolution toward quantum level with resulting outcome as (new) theoretical constructs of Physics :</p> <ul style="list-style-type: none"> • Linking up Consciousness with Physics • Knowledge Management model framework as high-end of Universe evolution • Reverse Engineering • Inverted Paradigm Method (IPM) • Consistency and Reliability of research through Inverted Paradigm Method (IPM) • Knowledge Discovery Metamodel – based Inverted Paradigm Method (IPM) <p>(Source : http://t.co/JaOPUAC8 (“Reverse Engineering on Knowledge Management model as high-end of Universe evolution toward quantum level of Physics”)</p>	<ul style="list-style-type: none"> • <i>Model-dependent realism</i> asserts that all we can know about "reality" consists of networks of world pictures that explain <i>observations</i> by connecting them by rules to concepts defined in models. • A <i>world picture</i> consists of the combination of a set of observations accompanied by a conceptual model and by rules connecting the model concepts to the observations. Different world pictures that describe particular data equally well all have equal claims to be valid. There is no requirement that a world picture be unique, or even that the data selected include all available observations. The universe of all observations possibly may be covered by a <i>network</i> of overlapping world pictures and, where overlap occurs; multiple, equally valid, world pictures exist. <p>(Source : http://en.wikipedia.org/wiki/Model-dependent_realism - “<i>Model-dependent realism</i>”)</p>
---	--

✚ **Infrastructure Layer** : involving the solid and robust infrastructure and architecture (See **Knowledge Architecture** and **Knowledge Infrastructure**) of our Knowledge system to be reverse engineered through Inverted Paradigm Method (IPM) : (~ **High-end of Universe Evolution Model**) (see <http://t.co/NpngwBMI>)

- ❖ **Human System Biology-based Knowledge Management (HSBKM) model framework -**
- ❖ **Mobee Knowledge Competency Capability Maturity (MKCCM) model as KM metrics -**
- ❖ **MOBEE KNOWLEDGE TAXONOMY OF KNOWLEDGE ASSESSMENT :**
Dynamic Formative Assessment of Nurture Knowledge Management
Dynamic Formative Assessment of Nature Knowledge Management
Passive Normative Assessment of Knowledge Knowledge Audit
- ❖ **KM 2.0 BASIC VISUAL MAP**
- ❖ **Knowledge Architecture**

MODEL

A model is a good model if it :

1. Is elegant
2. Contains few arbitrary or adjustable elements
3. Agree with and explains all existing observations
4. Makes detailed predictions about future observations that can disprove or falsify the model if they are not borne out

(Stephen Hawking and Leonard Mlodinow : *The Grand Design*, 2010 – p.51, Bantam Books – New York, USA)

✚ **Resource Layer** : represents the operational environment of the existing system (~ **Material and Environment**)

- ❖ **(Non) DIKW continuum model**
- ❖ **“Knowledge is the edge of Science “ (the paradigm)**
- ❖ **“MOBEE KNOWLEDGE CoP” –**
<http://mobeeknowledge.ning.com> (Our K – repository)
- ❖ **Knowledge**
- ❖ **Nature Knowledge Continuum model**
- ❖ **Nature Knowledge Theory (NKT)**

WORLD PICTURE

<ul style="list-style-type: none"> ✦ Program Elements Layer : consists of the code and action packages : (~ Methodology) ❖ Consciousness Element Factor (CEF) ❖ Fabrics of Universe ❖ Inverted Paradigm Method (IPM) ❖ Knowledge Interface (KI) ❖ Language of Knowledge ❖ Consistency and Reliability of research through Inverted Paradigm Method (IPM) 	<p><u>RULES</u></p>
<ul style="list-style-type: none"> ✦ Abstractions Layer : represents resulting domain and application abstractions : (~ The Results in details) ❖ “duo-entity-force” (DEF) boson particle ❖ k – Constant ❖ Knowon ❖ Knowledge Value (KV) Measurement™ ❖ Decomposing Nature Knowledge with Inverted Paradigm Method : “IMPACT OF HUMAN SYSTEM BIOLOGY – BASED KNOWLEDGE MANAGEMENT (HSBKM) MODEL FRAMEWORK ON THEORETICAL PHYSICS” - http://t.co/Pz53sy4h (Abstract) and http://ht.ly/etu5b ❖ Overview of our output (2010 – 2012) - http://t.co/JaOPUAC8 (pp 14 – 16) 	<p><u>REALITY</u></p>

Special Appendix :

- ✚ **Abstractions Layer** : represents resulting domain and application abstractions (~ **The Results in details**) :

“duo-entity-force” (DEF) boson particle or “NKT-based Higgs Boson” - generated from Nature Knowledge Theory (NKT) becoming key factor of NKT discovered by evidence based through Inverted Paradigm Method (IPM) as reversed engineering effort on the subject of our Knowledge Management (KM) model framework as high-end model of Universe evolution. DEF representing psycho somatic quantum elementary particle linking up basic building block with fundamental forces of Universe. DEF comprised of *Known* (our proposed 5th force) – *Graviton* (4th force) entity as boson force mass less particle we believed as the real Higgs Boson. *Known*, independent to SpaceTime (IST) as 5th fundamental force representing “psycho / consciousness mediating particle” counterparting *Graviton*, dependent to spacetime (DST) as 4th fundamental force representing “somato mediating particle”. DEF is Nature Knowledge emitted most likely right from hyper massive Black Hole at the center of our Galaxy within Universe of three fabrics (**Matter – Energy – Nature Knowledge**) and giving huge and broad purposes as “Universe DNA” functioning to produce and giving mass via their negative energy which then could balancing positive energy to create certain particles including revealing the domain of Dark Matter and Dark Energy

DEF is entity of IST-DST as superposed boson force mass less particle with $KV = 10^{-38}$ CEF representing psycho – somatic quantum elementary particle of the Universe. DEF having negative energy either before or post Big Bang likely to produce mass and particle.

k - Constant - a constant factor generated by *Known* existence representing (Nature) Knowledge as fabric of the Universe to orchestrate the other two fabrics, Matter and Energy. Highly related with Negative Energy, k - constant ranging from 0.0 – 1.0 applied to Mass – Energy Equivalence or the equation $E = mc^2$ to be written as $E = k mc^2$ where k actually proportionate with c or the speed of light. K achieved as 1.0 where Negative

Energy (see on this Glossary) converted fully to Positive Energy or at age of the Universe was about 370,000 years after Big Bang where Matter domination or photon era fully achieved and reached up to time before the evolution of living – biological system taken place, and then after that “k” positively stable and exist gradually less and less than 1.0 The “k” = 1.0 representing the highest entropy of certain target loci in the Universe (one of our statement regarding k – constant, *Prediction of searching : ...“k” approaches 0.0 such as the ecosystem of Higgs Boson, will make all scientific efforts practically a “mission impossible” . We dare to say, almost impossible to any scientific effort (eg LHC) goes beyond “our illusion dream land” with “k” = 1.0 to leap into “absolute dream land” with “k” less than 1.0 or practically = 0.0 considering that “..... space-time is only the notion of human being in the universe to accommodate the existence of Matter and Energy....)*

Knowon - our newly proposed fifth fundamental force of Nature, discovered through top-down (reverse engineering) mechanism or Inverted Paradigm Method (IPM) applied to Human System Biology-based Knowledge Management (HSBKM) model framework within Nature Knowledge continuum in the framework of quantum level through classical mechanism level. By such evidence-based as Knowledge-generated outcome, Knowon is really exist as non hypothetically mass less particle, because Knowledge force has unlimited range and seems do not related with or at least don't have spin quantum number as the other mediating particles considering that Knowon is independent to SpaceTime (IST) particle containing consciousness element factor (CEF) with Knowledge Value (KV) measurement = 10^{-38} (Planck Number) CEF and functioning as “psychic / consciousness mediating particle” with speed of entanglement and non-locality to counter parting Graviton, the fourth fundamental force, dependent to SpaceTime (DST) particle, as “somatic mediating particle” becoming “duo-entity-force (DEF)” boson mass less particle (we believed as the real Higgs Boson) to give shape of SpaceTime and by their negative energy to producing particles and massy feeling within psycho-somatic entity paradigm of our Universe. The phenomenon of emergent property in complexity of Nature believed as the manifestation of the work by consciousness element factor of Knowon as “Psychic (Consciousness) Mediating Particle” within their target loci counterparting the work of Graviton as “Somatic Mediating Particle” in shaping SpaceTime, manifested as an entity of elementary superposed quantum particle or

DEF, instead of collaboration with other ontologically produced three fundamental forces of nature, strong-weak-electromagnetic forces or *Gluon, Photon, and W-Z* respectively (Visit <http://t.co/Pz53sy4h> (ABSTRACT) - *Md Santo, M.Arsali : "Impact of Human System Biology-based Knowledge Management (HSBKM) model framework on Theoretical Physics"*)

Knowledge Value (KV) measurementtm : For practical purpose, we use Thurstone scale – a scaling technique that incorporates the intensity structure among indicators. Thurstone scale will converting ratio level scaling model of Weighting Score (WS) to Human Knowledge with Lower Consciousness (KLC), Knowledge with Medium Consciousness (KMC) and Knowledge with Higher Consciousness (KHC) respectively of 1 : 3 : 5 into interval level scaling model indicating the magnitude of difference between items. The result is an absolute value scaling ratio ranging from $KV = 10^{-38}$ (Planck number) CEF applied to *Known* as the new proposed 5th Fundamental Force (Psychic / Consciousness Mediating Particle functioning as consciousness element factor counter parting *Graviton*, the Somatic Mediating Particle) and consecutively $KV = 1.0$ CEF applied to KLC. $KV = 3.0$ applied to KMC and $KV = 5.0$ applied to KHC or accumulated to $KV = 9.0$ as human KV maximum possible score *en route* to infinity or goes beyond human KV. (We'd like to emphasize from "*The Study of Human Consciousness : Penrose vs Md Santo* - <http://mobeeknowledge.ning.com/forum/topics/the-study-of-human> among others mentioning,*Knowledge should described within domain of classical physical mechanism as well as quantum physics either as quantum consciousness or quantum knowledge albeit Knowledge itself is Consciousness supposing independent to Space-Time (IST))*

KV measurement means to assessing the intensity of Nature Knowledge consciousness element factor within Knowledge continuum in the Universe all at once complementing Energy and Matter of the Universe ("*Knowledge Value (KV) Measurement*"- <http://bit.ly/rvDQMO>). Knowledge Value (KV) measurement is a mean to do what so called as "Renormalization", a mathematical technique designed to make sense of infinities in quantum theories

Decomposing Nature Knowledge with Inverted Paradigm Method :

“IMPACT OF HUMAN SYSTEM BIOLOGY – BASED KNOWLEDGE MANAGEMENT (HSBKM) MODEL FRAMEWORK ON THEORETICAL PHYSICS” - <http://t.co/Pz53sy4h>
(Abstract)

Overview of our output (2010 – 2012) :

From *Mobee Knowledge Services* <http://mobeeknowledge.ning.com> as our Social and Learning Resources site altogether as Knowledge repository, the followings are the results of our 2 – year (2010 – 2012) work as continuation of previous work (2008 – 2010) (See <http://ht.ly/djk6S> -*“Course and prognosis of our Knowledge Management (KM) system : Time line (2008 – 2012+) of Mobee Knowledge Services”*) :

- Clarification of *Nature Knowledge, Nature Knowledge Theory, Knowledge Management (KM), Human Knowledge, Knowledge Value (KV)* etc (p 20 of <http://ht.ly/eXJsT>)
- Neutrino and Human - Nature Knowledge Loci (pp 8 – 9 of <http://ht.ly/eXJsT>)
- *“Impact of Human System Biology-based Knowledge Management (HSBKM) model framework on Theoretical Physics”*(<http://t.co/Pz53sy4h>)
- Fundamental Force Map of Psycho - Somatic Universe (p 9 – 10 of <http://ht.ly/eXJsT> or <http://bit.ly/zbdp28>)
- How to fix the “big mistake” in science (<http://t.co/gLbxg7W2> - “Knowledge–driven New Copernican Principle”)
- Some theoretical constructs derived from KM applied to Physics namely in Theoretical and/or Astro Physics - <http://bit.ly/zVS7mF>
- Intermediate results of our 4-year study KM model based on Theoretical Physics (p 14 of <http://ht.ly/eXJsT>)
- Nature Knowledge Theory based on Black Hole and Universe before Big Bang (p 15 or <http://ht.ly/eOY0o>

- Other results derived from Intermediate Results (pp 15 – 20 of <http://ht.ly/eXJsT>) including on *Higgs Boson, Dark Energy, expulsive vs repulsive gravity*
- On *Knowon*, our proposed fifth force, related with "tractor beams" and "hypothetical force"(pp 19 – 20 of <http://ht.ly/eXJsT>)
- Next scenario : <http://ht.ly/eGMTB> - "Project Proposal - "Multi Center Study on Knowledge Management (KM) – based New Standard Model of Particle Physics" should carried out integrated through collaboration of [Knowledge Management](#) – [Theoretical / Particle Physics](#) – [Complexity Theory](#) – [Organizational Learning](#) – [Philosophy of Science](#) – [etc](#) to implement [Nature Knowledge Theory](#)
- <http://t.co/w3buHWVJ> - "Consciousness redefined and Knowon (5th fundamental force) discovered within Universe with three fabrics (Energy – Matter – Nature Knowledge)
- Academic paper and presentations <http://ht.ly/eGMTB> - (from "Project Proposal" pp 3 – 5)
- Some of our noted Knowledge – base :

*K-base on Consciousness + Physics

<http://delicious.com/mobeeknowledge/consciousness+physics>

*K-base on Nature Knowledge Theory

<http://delicious.com/mobeeknowledge/natureknowledgetheory>

*K-base on Nature Knowledge Theory + Theoretical Physics

<http://delicious.com/mobeeknowledge/natureknowledgetheory+theoreticalphysics>

*K-base on Dark Matter <http://delicious.com/mobeeknowledge/darkmatter>

*K-base on Big Bang <http://delicious.com/mobeeknowledge/bigbang>

- Our recent publications regarding the effort to establish "Multi Center Study on Knowledge Management – based New Standard Model of Particle Physics" (MC_KM_SMP) :
 - <http://ht.ly/eXJsT> - "Mobeek Knowledge Services amazing report on Nature Knowledge – based in exploring the Universe" (Nature K based Universe)

- <http://ht.ly/fclAz> - “Why Knowledge Management model is high-end of Universe evolution”
- <http://ht.ly/fclLv> - “Nature Knowledge Theory (NKT) as alternate tools of Particle Physics”
- <http://ht.ly/f5h7D> - “Nature Knowledge Theory (NKT) generated clues to Theory of Everything (TOE)”
- <http://ht.ly/fmkPA> - “Glimpse look at Mobee Knowledge services”
- <http://ht.ly/eGMTB> - Project Proposal - “Multi Center Study on Knowledge Management (KM) – based New Standard Model of Physics”
- <http://t.co/a4i6UUDy> - “JOIN US Toward Nature Knowledge – based Science reform!”

Copyright :: All Rights Reserved

Registered :: Sat Dec 10 09:53:54 UTC 2011

Title :: MOBEE KNOWLEDGE CoP - Human System Bio - based Knowledge Management (HSBKM) model framework

Description: Registered by Dr.Md.Santo, Indonesia 2011

Category :: Website

Fingerprint :: 899089c0417cdc619b82894f65613539572109a59e8719d7cc76c82103a49350

MCN :: WMJ1A-KD5WN-F1XMP

Dr Md Santo

- E-mail : moesdar@gmail.com
- Knowledge Management (KM) dan Organizational Learning (OL) Consultant – *Mobee Knowledge Services* – Jakarta, Indonesia
- Founder Social Networking and Learning Resources Site “*Mobee Knowledge CoP*” - <http://mobeeknowledge.ning.com> (900+ members in 38 countries)
- Profil at LinkedIn : <http://www.linkedin.com/in/bluemoonmobee>
- Twitter : http://twitter.com/md_santo
- Public and Global Profile : <http://gravatar.com/mdsanto>

@Mobee Knowledge – Jan, 2013