

## Google Submission

20<sup>th</sup> October, 2008

Call for ideas to change the world by helping as many people as possible

### A.Words on the form:

#### your idea name (50 characters)

Universal Language decodes Theory of Everything

#### Q1. one sentence best describe your idea (150 characters)

Underlying all knowledge fields today is a shared set of a priori algorithms/elements. UL decodes and traces back to the starting point of knowledge

#### Q2. describe your idea in more depth (300 words)

“Space” = man-created concept, formed by set of elements (points), satisfying specific geometric postulates

##### Elements:

-Space has 2 sub-spaces: Topological/Conceptual (C-Space) and Geometrical/Structural (S-Space)

-Each space-type has 3 Elements: Dot (D), Line (L), Plane (P)

    C-Space has CD, CL, CP

    S-Space has SD, SL, SP

-Basic Elements: Dots CD and SD

-Derived Elements: Lines CL, SL, Planes CP, SP

-CD (contraction of C-Space) and SD (contraction of S-Space) co-exist infinitely closely

- CD (Active Dot) initiates change. SD (Reactive Dot) reacts to change

##### Algorithm showing presence of space:

- 2 rules construct Conceptual Graphs (C-Graphs)

    CD extends to form CL, stop at another position, and establish another CD

    CD extends to form CL, loop back to original position, and establishes another CD, a CP is created

-2 rules transform Structural Graphs (S-Graphs)

    1- a CL must intersect once only with an SL formed by a reacting SD

    2- in every CP, only one SD must exist, which cuts across CL, stops at another position

##### Elements and Algorithm combine to derive CS-Graphs:

CS-Graphs are *Metaphysical Moulds*(concrete forms of UL, infinite in number)

#### Q3. What problem or issue does your idea address? (150 words)

1) Enable all knowledge fields to speak the same language to achieve cross-disciplinary breakthroughs:

    “Dot” = Subject of Language

    “Line” = Verb of Language

    “Plane” = Object of Language

The “Form” and “Content” of a language can be formally and separately recorded graphically.

2) UL’s elements and algorithm can be applied to binary computing to improve artificial intelligence. It solves the problem of widely applying Boolean Logic, “the logic of human thought.” By separating the “logic of human” from the “logic of thought”, we can avoid repeating human mistakes. UL addresses this problem with the algebra of Nature, “the logic of thought”.

3) Computers diminish the complexity of people, to minimize storage, speed and output costs. Intelligence Augmenting Communications Technology (IACT) will fill these communications gaps by expanding the definition and logic of people in computers.

Universal Language (1994 ISBN 957-99931-0-6) will be key to discovering Einstein's Grand Unification Theory.

**Q4. if your idea were to become a reality, who would benefit the most and how? (150 words)**

Result: ULIACT (Universal Language Intelligence Augmenting Communications System) will enable the creation of "people-literate computers" and actualize the potential for mechanical self-creation, self-determination and harmonious collaboration with people.

A potential application of ULIACT is to develop CREOC (Computer-Resident Engine Of Consciousness). We envision the initial-stage deliverables to include Mental Logic and Emotional Logic & Social Logic. Utilities will function as OEM and API developers kits, and with support from key organizations, we can produce examples of COTS: personality-sensitive software agents running help systems, communicating answers from automated help-desks, gearing responses to users' understanding of terms and styles of communication. Many other potential applications, for e.g. simultaneous translations programs.

Short-term, Information Technology and Artificial Intelligence users benefit most. ULIACT systems will out-perform human experts.

Long-term, everyone whose lives are impacted by computers will benefit. "People-literate computers" will set the standard, augmenting human intelligence better than systems requiring people to become computer-literate.

**Q5. what are the initial steps required to get this idea off the ground? (150 words)**

**Near-term:**

- Work with experts in core knowledge fields to formalize the Universal Language and to create a common platform/academic standard:
  - Linguistics (Structural Rule/Transformational Rule)
  - Philosophy (Theory of Thoughts/a Priori Logic)
  - Mathematics (Euclidian Geometry/Non-Euclidian Topology)
  - Architectural (Existential Space/Structural Space)
  - Science (Quantity-Quality/Space-Time)
- Tailor common platform to individual knowledge fields
- Launch pilot-runs. Fine-tune processes based on feedback

**Mid-term:**

- Develop preliminary business plan
- Develop roll-out plan (objectives, timelines and milestones)
  - Technical development requirements
    - a) Prototype
    - b) Phase 1 - Core Platform
    - c) Phase 2 - Customer Package Architecture
- Recruit and train key personnel
- Produce, test and protect core system
- Patent core system.
  - Includes developing existing 3-Level (machine; software; help) object-oriented, functional specification, "ULIACT Design Manual" and dimensional databases
- Establish joint ventures with IT and AI companies to develop applications

**Q6. describe the optimal outcome should your idea be selected and successfully implemented. how would you measure it? (150 words)**

ULIACT-based systems will outperform existing Boolean Logic-based systems. UL goes much deeper than Boolean Logic, anchoring the whole information age on Transcendental Logic. This founds ULIACT computer architecture on the DNA of the macro world. Differences between Boolean Logic CPU and UL Transcendental Logic CPU will be similar to differences between 19<sup>th</sup> Century surgery and 21<sup>st</sup> Century genetic engineering.

With intelligent computing, we can create a common platform to connect different races, cultures and religions. Beyond people-to-people communication, we can further achieve seamless man-to-environment and man-to-machine communication. We will be able to push our limits to further explore our inner and outer worlds. Our ultimate goal is to understand the limits of our existence.

I firmly believe that in this new millennium, this Language will be the key communication tool as we search to understand the myriad of opportunities hidden in our Universe.

## **B. Words on the 30 seconds Flash Animation**

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### **Nothingness...to...Consciousness**

**?...be...I (be)...** (moving)

**from nothing to an awareness of sight, sound and feel  
awareness awakens my soul (grey dot), I come into existence  
I, my soul, has  
a body (black dot) to feel... and a mind (white dot) to think**

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### **Consciousness..to..Thinking**

**...I...I am (being)... ...I...I am (becoming)...**

**My soul explores the world outside of me  
black dot moves when my body moves, depicting my state of “being”  
white dot moves when my mind moves, depicting my state of “becoming”**

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### **Thinking...to...Expressing**

**...I am (being)...I am in the park... ...I am (becoming)...I am a boy...** (moving)

**black dot moving within a plane creates an embodied circle which hold the possibilities for my body to move  
white dot moving in an ever-circling line symbolizes my mind moving around a concept**

### **C. Words at the end of the Flash Animation (still frame)**

The Theory of Everything, Decoded

Aristotle's Theory of Thoughts covers the state of "becoming"  
For hundreds of years, scholars have sought to discover the corresponding state of "being"  
Many believe the key to unlocking this mystery lies in the graphical realm

Sun Yu-li's Universal Language synthesizes the two and finds a path to the original state of "be"  
the Theory of Everything is decoded

This discovery is a historical record  
that the Everest of Man's cognitive world has been scaled at the turn of the 2nd Millennium