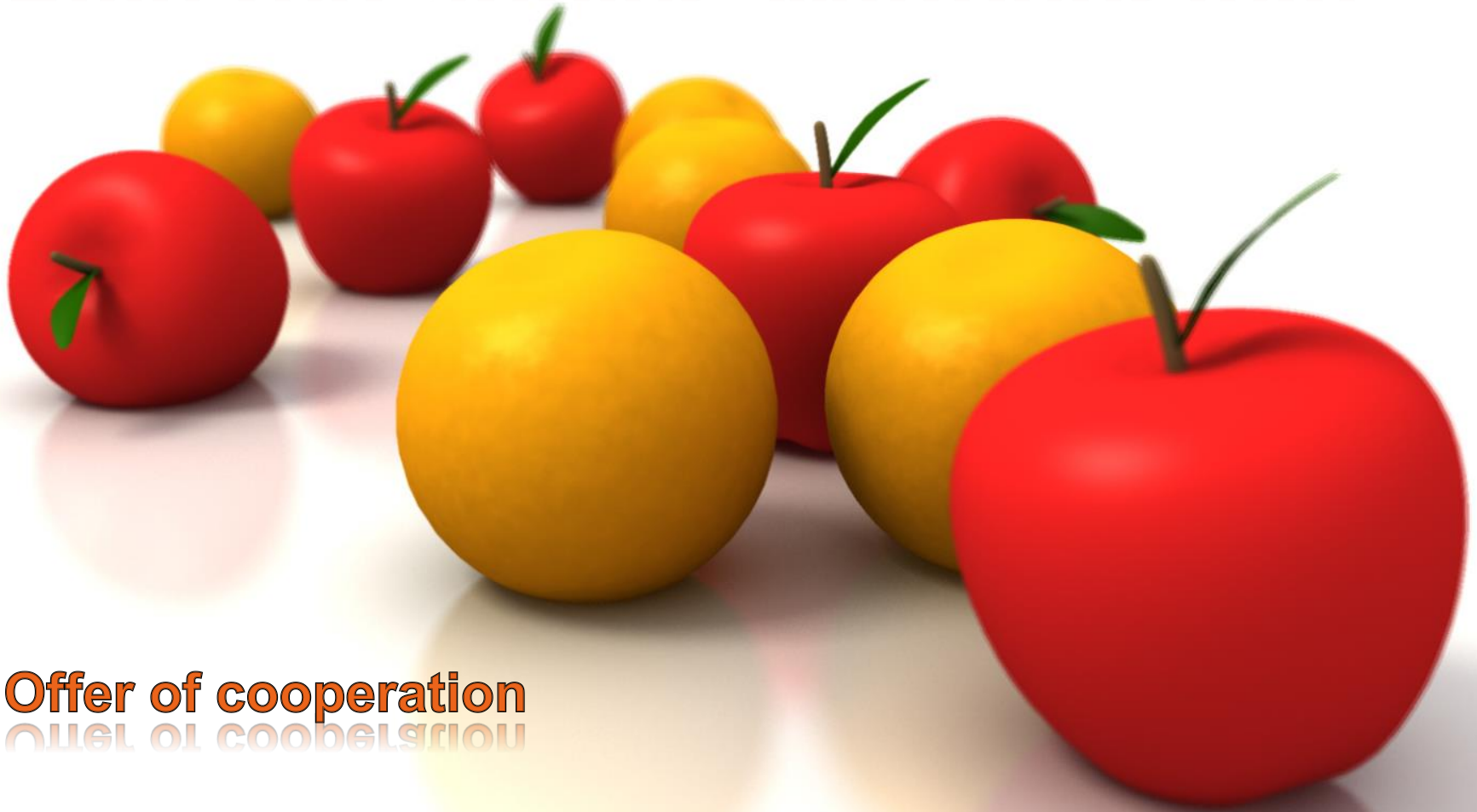


Five red apples Wittgenstein



Offer of cooperation



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Expectation

Interpreters of modern languages

- human languages
- programming language extensions to the logical completeness



Expectation

Recognition of non-human interactions

- secure channels encrypted messages
- alien languages there is not similar to our form of life



Expectation

Vernadsky's noosphere model

- Private secure communications without direct address (secure channel) messaging
- Animated simulation of the behavior of artificial systems



I propose the joint development of a new paradigm in IT that will make the above expectations a reality

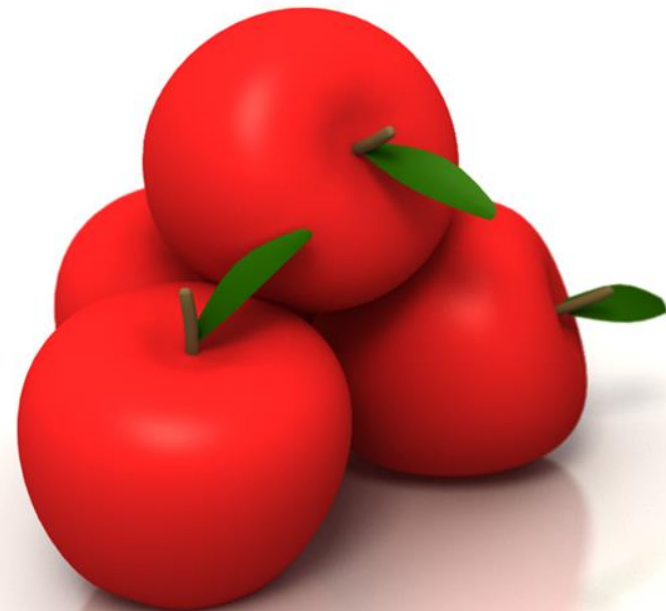
ABSTRACTS



1. My experience in the IT was versatile: work in banks, work in giant manufacturer of cellular communication, research institutes, nuclear power, pulsed systems, mathematics. Last work is related to robotics:

- Robotic Vision
- DSP
- Real Time process Xenomai, Linux, QNX
- Working with video codecs to improve video surveillance
- Work with the FFT and DCT archiving
- Working with 3D models, improved Blender

2. In parallel with the official(paid) work I studied philosophy, logic and mathematics to analyze existing technologies and improve them. After more than 15 years of investigations (I started in 1995), I came to the conclusion that the accumulated data and experience give me the right to develop and introduce into practice some of the ideas.



3. I think IT has been some stagnation. Raises a lot of languages, but in the three paradigms:

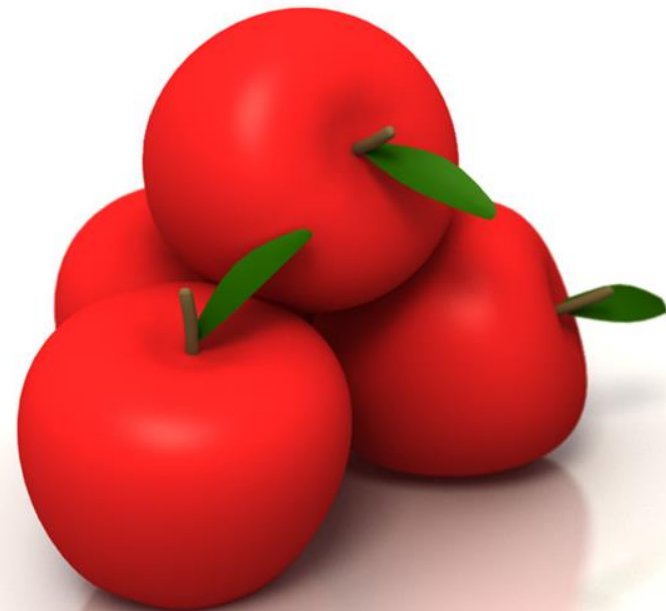
- Functional Programming
- Procedural programming
- Object Oriented Programming

I am not singling logical paradigm (Prolog), as I do not consider important.

Was created many Languages, Technologies, Specifications, Frameworks, but they allow to solve similar problems in different ways, but does not introduce qualitative changes in programming.

4. It is still not solved the following problems:

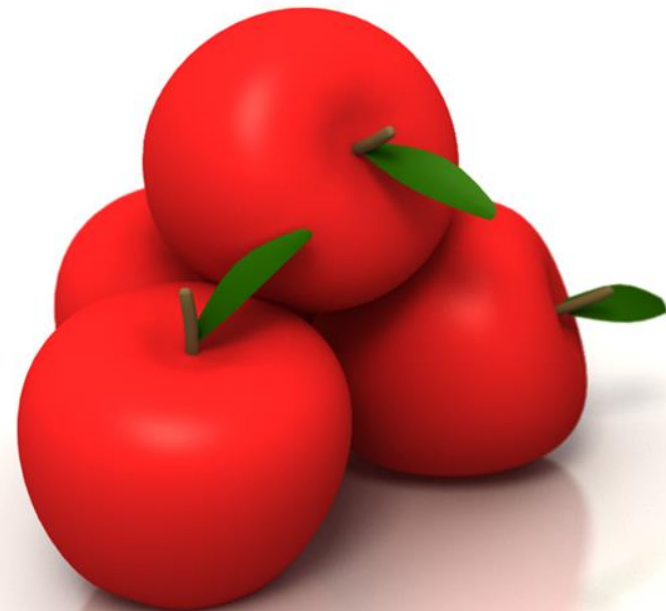
- quality language translation
- not created a complete language in terms of logic and analytic philosophy
- Reusing code. It sounds paradoxical! But it was not implemented. Similar problems overwritten many times using different languages and technologies. Especially this is a trend in the financial sector. The result is a high complexity in the development of new software.
- How to effectively use social networks



5. The current state of IT reminds me of bread wolf Frazer. He has created an explanatory model of the ancient and archaic cultures. The model was "scientific" and therefore not able to comprehend the "form of life." I am not arguing that this decision has no right to exist and has yielded results, but it led investigators to a standstill. The same is observed in IT when used to improve the incorrect methods and incorrect assumptions. As a result - a lot of languages similar to each other, which are unable to solve modern problems.

Wittgenstein's critique of Frazer methods gave the correct result, so this mechanism can be used to analyze the IT sector.

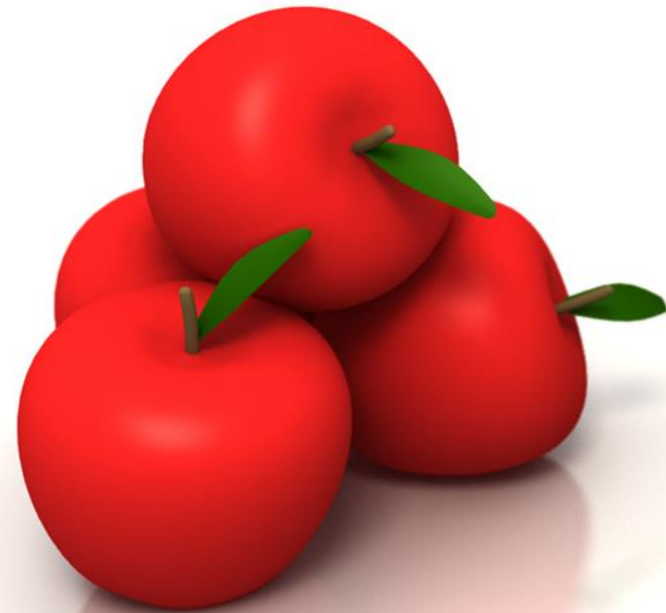
6. So, following try to analyze the problems of IT sector by methods of analytic philosophy. For this is supposed to formalize the "Logical philosophical treatise" Ludwig Wittgenstein. This treatise is a rigorous logical system, so it can be translated into the language of logic and mathematics, and then the machine code, i.e. formalize. This new formalism is a new programming language, in which will be solved those problems are not solved within the existing programming paradigms.



7. Moving on. According to the theorem of Kurt Gödel's incompleteness of logical systems can be shown that Artificial Intelligence is available only for open systems and, until recently, these systems were not. Therefore, this issue has not been considered in detail, viewed narrowly, for example, in the theory of neural networks, but did not get proper distribution and use. But now we have an open systems and can be considered complete because of the large number of items(sites/nodes/branches), so we should return to this issue in more detail and analyze it.

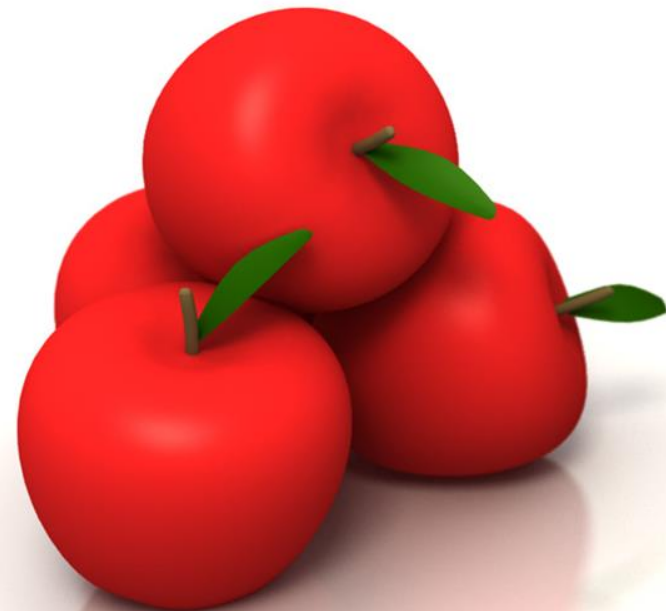
8. The new paradigm is based:

- Wittgenstein's language games,
- The principle of incompleteness of formal systems of Kurt Gödel
- Heisenberg's uncertainty principle in a philosophical context
- Niels Bohr's principle of complementarity



9. In accordance with paragraph 8 is necessary to develop logic extensions, like a modal logic and to reflect the paradigm from philosophical level to the executable (software solution)

10. It's all in general. The next genesis of paradigm I think will be adding the parallel worlds of Jaakko Hintikka.



I propose the joint development of a new paradigm in IT that will make the above expectations a reality

MY CV



Personal info

I'm software engineer, 34 y.o. Married, have 2 child. Have a 10+ years' experience in IT. Most of my projects have centered on the telephony, connectivity, web and database areas. I have a good control of written English, but pre-intermediate level of oral one. At present I work at home in Nizhny Novgorod and I happen in Moscow from 10 to 14 days in a month. Reallocation is available only to USA in other case I prefer work in home and communicate by Skype, e-mail in this case I may pay more attention to projects tasks than waste time (4-6 hours per day) and forces on the road to office, parking, lunch and so on... Usually I work for 10-12 hours in day and I wait for worthy compensation for the efforts.

I was graduated in Nizhny Novgorod State Technical University as a master of technical physics and a technology in 2001. Was four times the winner of a grant of Yulii Borisovich Khariton in nuclear physics. I often made scientific reports and presentations at conferences. During study were developed a number of programs which are applied and still. The main direction of my scientific work was – application of information technologies for receiving processing of results of experiments.

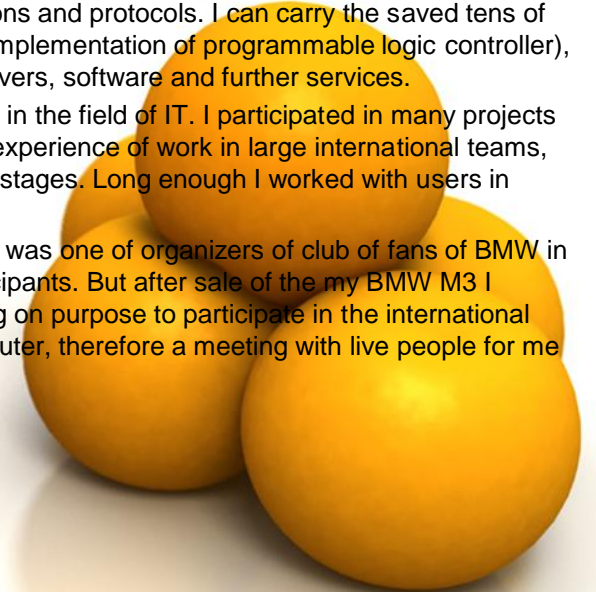
Working in the banking sector to me it was necessary to work often with financial experts, to study and formalize their sphere of activity for further automation. To train experts for the new software.

Working in Motorola Company the last 6 months I was on positions of the specialist of department of marketing in the Java direction – the Italian marketing department, Turin. The main objective consisted in adaptation and improvement of existing J2ME of technologies in new products (phones) of coordination of the Russian developers and development of marketing requirements for the J2ME technologies. Support third party developers.

At present I participate in startup project of the robotized game platform. My tasks include realization of idea of my customer. I should communicate in parallel with developers of hardware, developers of HAL, creative people engaged in video processing, designers and to develop for them requirements, and also in parallel develop new technologies, specifications and protocols. I can carry the saved tens of thousands of dollars of the customer to my merits on the offer to use Soft PLC (software implementation of programmable logic controller), on use of the google apps and youtube technologies, instead of creation of big park of servers, software and further services.

I like to work with people, to learn new technologies and to share the scientific researches in the field of IT. I participated in many projects and I consider myself as the expert of IT with a good technical experience. I have a wide experience of work in large international teams, am able to communicate with people and to avoid the conflicts or to resolve them at early stages. Long enough I worked with users in support that made me more patient and quieter.

I am able to organize people and to hold events, but as a rule it belonged to my hobbies. I was one of organizers of club of fans of BMW in Nizhny Novgorod, at the first meeting it was possible to bring together more than 50 participants. But after sale of the my BMW M3 I departed from active participation in club life. Now I organize team of fans of feeder fishing on purpose to participate in the international competitions. I love people and the good companies. A lot of time I sit in front of the computer, therefore a meeting with live people for me always in pleasure.



Project Experience – with customer info

Folio-auto Ltd: Software Architect	In progress
Architect of TV-robotic game engine	
C,C++,C#, Python Java, RT Java, UML, QNX, Xenomai, Linux, CodeSys, Python, NodeJS, Haskell, Google App Engine, CodeSys, Neuroph	
Burevestnik: Software Engineer http://www.burevestnik.com/	6 month
Develop, test and support scientific library	
C, C++, QT, GSL, Boost	
Samsung	5 month
Develop, test and support Android Applications Resolving Androids kernel, framework issues	
Java, C++, Android	

Project Experience – with customer info

Kyocera Wireless, Senior Software Engineer	6 month
Contour, FrameworkView Develop, test and support BREW MP UI applets Design and verify unit test plan, unit testing Requirements analysis	
C, BREW, BREW MP, Visual Studio, Source insight, Perforce, Chameleon	
Federal Antimonopoly Service, FAS, Software Engineer	3 month
Documents workflow development	
C#, MS SQLServer, SOAP, WebService, Visual Studio, Perforce	
Commerce Bank, Architect	24 month
Requirements Understanding and translation to technical Implementation Bank Utils for mobile platform Enterprise CRM s/w system development Customer Interaction and Solution presentation	
Java, C++	



Project Experience – with customer info

Nortel, Software Engineer	4 month
Demo application development	
J2EE, JavaFX, C#, webservice client, Apache CXF	
Commerce Bank, Project Manager	36 month
Front Office: credits management system development	
J2EE, Oracle 10g, Ajax, SMPP,B2B technologies, CentOS, FreeBSD, SUSE 10, RHEL 5, Weblogic Integration process, Weblogic Portal, JBoss5, RedHatDeveloperStudio, WeblogicWorkshop, Subversion	
Motorola, Specialist in Marketing Department	5 month
Participation in creating new mobiles product line. I was responsible for support java software product inheritance and improvement.	
Java, C++	

Project Experience – with customer info

Motorola, Software Engineer

7 month

MSRP - Message Session Relay Protocol Stack. The purpose of the project was to make a complete protocol driver for Motorola cells platform. The first phase of the project included writing down requirements specification for the project, development High and Low Level Design, coding (pure C) Protocol Parser and Controller Parts. Write test specifications and execute unit tests, bug fixing process.

C,C++,Java

TIM, Turbo Call, Software Engineer

5 month

There was third party developer MIDlet for music content distribution. I'm supports J2ME API CR's. I was involved in verification process, J2ME DRM API management and other support and coordinate activities. Participate in unit testing.

J2ME, DRM



Project Experience – with customer info

Motorola, J2ME Multimedia Player API, Software Engineer

2 month

The purpose of the project was to make a J2ME Multimedia Player API for SynerJ platform. Project includes coding on C and J2ME, writing test MIDlets, unit and system testing.

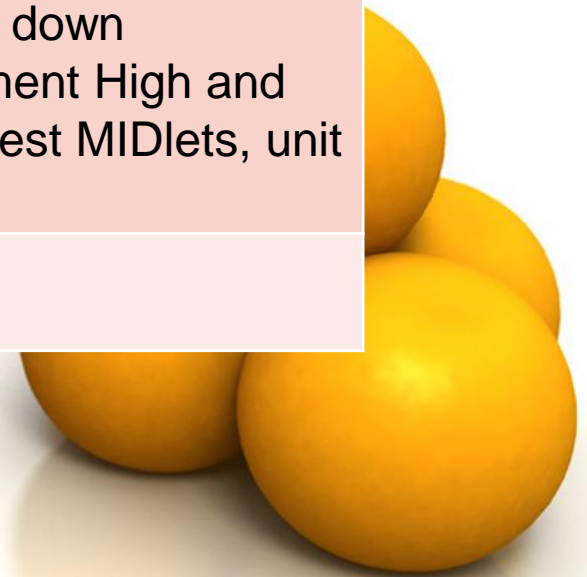
C,C++,Java

Vodafone, J2ME Screen Saver API, Software Engineer

3 month

The purpose of the project was to make a J2ME Screen Saver API for Vodafone requirements. Project includes writing down requirements specification for the project, development High and Low Level Design, coding on C and J2ME, writing test MIDlets, unit and system testing.

C,C++,Java



Project Experience – with customer info

**Motorola, J2ME SyncML API,
Project Manager**

4 month

The purpose of the project was to make a J2ME SyncML API. Project includes writing down requirements specification for the project, development High and Low Level Design, coding on C and J2ME, writing test MIDlets, unit and system testing.

C,C++,Java

**Commerce Bank, Bank Utils,
Software Engineer**

24 month

There was developed different utilities for Bank-Business Process. After system tests they was integrated with bank environment.

Delphi, J2SE, CORBA, XML, SQL



Project Experience – with customer info

Shield, Lilac, Software Engineer	24 month
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Lilac – is enterprise human control system s/w. Two versions were developed. The first was local version, based on Delphi + Dbase. The second – J2SE + JDBC/ODBC bridge. The GUI was based on SWING components, also was developed some extensions formed as JavaBeans. GUI was organized as desktop pane with internal frames. Frames contain tables, lists, trees and other components for advanced presentation of various human parameters and data. Also was used RMI mechanism for connection with controller software in turnstile (entrance checkpoint).

Delphi, J2SE, JDBC/ODBC, SQL, SWING, RMI

OKBM, Probability Safety Analyser, Software Engineer	24 month
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The purpose of the project was to make software for Probability Safety Analyses. Project includes coding on C++ and Delphi. Develop of Fault-Tree and Event-Tree modules (GUI and calculations) with deep unit test process, verification and comparing the results with another s/w one. Participate in optimization process.

C++, Delphi, XML, SQL



Unfortunately, life is short, and I can not spend more time on other projects other than to try to bring to the completed state idea of a new programming paradigm. That is why I need some recourses to stop my paid projects activities and paid all my time for paradigm's development.

Approximately it will be needed 2 years for logic extensions and then 1 year for formalization.



My budgets expectations:

15000\$ for salary

4000\$ for equipment's and business trips (I will need to communicate with philosophers in Europe, USA and visiting IT conferences)

1000\$ for help others people in my work.

It's needed **720000\$ for 3 years** of project development.

I think it's not expensive to get place in history!

