

I live near an older, and decrepit, castle; I know the guardian, and he allows me to enter, at my own risk.

I see the sea from the towers, and the humid wind transports the smell of salt, at sunrise, due to thermal.

But I don't go for the panorama; the attic of the castle attracts me: old tools, cables, lightning, electrical and mechanical equipment belonged to an old crazy scientist that loses all his possessions, and he knew the folly, in experiments without meaning, and without purpose.

Spooky crunches are heard in the evening, so I prefer to go by day, early in the morning, you never know that the time passes too quickly.

Some time ago I stumble across a floorboard, I cling to a desk, which break in a corner, and in a cloud of dust and cobwebs it reveals a compartment containing a diary of experiments that I understand: they are smart, but those lead to dead ends that a man with sane mind know not to go: a waste of immense time, immense as the pages scribbled in tiny writing by a short-sighted, but with beautiful drawings.

But at the end of the life, when the diary is about the end, when the writing reveals the flickers of senile diseases, the old fool wrote words that surprised me: that he has had an extreme period of lucidity? I don't understand. Although there is clarity, there is definitely confusion, patches, gnawing of woodworms, discoloration for humidity; I have to synthesize!

Diary of a smart world

Smart materials and equipment **needed to improve** the human condition: we need less energy to build materials, improve energy efficiency of solar cells ... gnawed ... an intelligent **interaction with the environment**

... the nature writing patches ...

genetics has been used for **millions of years to optimize** the interaction with the environment, with the best organic solar cells, the most efficient **means of transports**, best chemical communication system, best genetic **drugs; then** genetic circuit contain **the knowledge** obtained from the environment

... correction fluid by nature ...

artificial intelligence is a circuit of DNA, with **plasticity**, present in primitive forms of virus, and bacteria; **It is almost impossible** to extinguish a population of viruses, or bacteria, in a population dynamic (there is not **Attila for bacteria**), as well chemical networks are very efficient, **and contain a program** from which inspiration **for an artificial intelligence**

... gnawed lines ...

smart material are designed by an intelligent **agent**, so that part of the complexity of the life form lies in the structural material, **because of the life** form have a built in DNA nanotechnology, **and the complexity** of the construction can be estimate with the Kolmogorov complexity of the complete computer **simulation** of the living form

... other lines destroyed ...

the complexity of living nanotechnology **may lead to the** complexity of smart materials; millions of years of **evolution** has led to nearly perfect chemical structures **capable of absorbing** light, unreachable power to build muscles, **build mechanical structure harsh; this** can be possible using a software for numerical simulation of quantum structures, **with an encoding** of the host environment and with a purpose (**better nanostructure** for batteries); genetic evolution can lead **to nanotechnology** unthinkable until now, for example **the complete** structure for a spaceship that **contain the material**, the optimal stages, the optimal **weight** and nanostructural **elements**.

The biological artificial **intelligence** have a logical deduction that contains undecidable, the **chemical flip-flop** , **but this** is not a biological **problem** because these chemical statements are chemical time circuit (**logic is extended** to watches), and the **Gödels incompleteness** theorems have a new application in biological circuit (timers with different period, and **repetitive behavior in autistic**); the evolution in an hostile **environment, in which** there are errors to be minimized **in order to survive** in the population, can lead to an artificial **consciousness**, which includes our problem, and **tries** to solve them

... woodworm meals ...

human ethics can be induced in an artificial **intelligence** if the human condition is necessary for the **existence** of the artificial intelligence, that is, **if the artificial intelligence** have not sufficient means to sustain **themselves**: the human presence must be necessary to **avoid a singularity** destructive for the human society

... woodworm likes these reasonings ...

smart material are a system constituted by the **chemical** elements, and nanostructure, **constructed in an optimal** way: if the encoding of the material **like** a DNA-molecule, and the environment is the **target** to achieve (such as **lightness** and hardness), then the exploration of the **environment** by the evolutionary strategy leads **to optimal** solution

... the nature patch hide this lines: secrets? ...

The human ethics, a **genetic intelligence**, could be due to genetic evolution: the men, or the herd, manage to **survive in a social** environment, so that the **group** of pickers have an evolutionary advantage over less **ethic beings**; the same happen in the **revolutions** where an instinct to dominate die out **genetically** with the individual **who want** oppression, leaving survive **individuals** capable of empathy

... art patchwork by nature ...

the **optimization** method for the first life can be used **to construct** alternative life: the cyclical process of **heating and cooling** (or irradiation and **cooling**) **in a** primordial chaotic **cooking** (**to break** and linking covalent bond) **can be attempted** for alternative chemical elements (**silicones, geopolymer, inorganic polymers**), **in** different temperature ranges, **and** if this simulation can be **made in a virtual simulation** (with recombination of covalent bonds) to build a **self-reproducing** life, then can be possible **to obtain millions** of years of alternative **evolutions** on a few years of simulation of **parallel computers**; a **silicon life** can include some silicon integrated circuit

... natural resin ...

The DNA coding include the **elements**, the **structure**, the **hardware** and the primordial software: it is possible to **build space ship** with an almost perfect genetic **simulation in a virtual** environment, with the space **ship that suit** the conditions to achieve **maximum speed** with the **minimum expenditure** of energy.

Another problem is the ethics of the **programs, and robots; how** you include in genetic, and the **brain, of a person** the concept of good and evil? **As a human race** we are able to develop ethical behavior **because the oppression** of other individuals (the absence of **sociality**) **led to the extinction** of individuals that are not **suitable for socializing**.

The chemical **messengers, and induced** behavior, led to sociality; then a genetic evolution that lead to the elimination of **other programs**, or ideas (software), which lead to the **destruction of information**, or the destruction itself, **has an ethic** evolution strategy; the robot who can **choose targets are unethical**, and as result lead to centuries of behavior evolution not **suitable to the human race** (unethical artificial intelligence); **the conditions** of dictatorial minorities lead in most case to the traumatic **extinction (aside short** periods of oppression), the same is **true for economic** system

... all the subsequent parts are lost forever ...