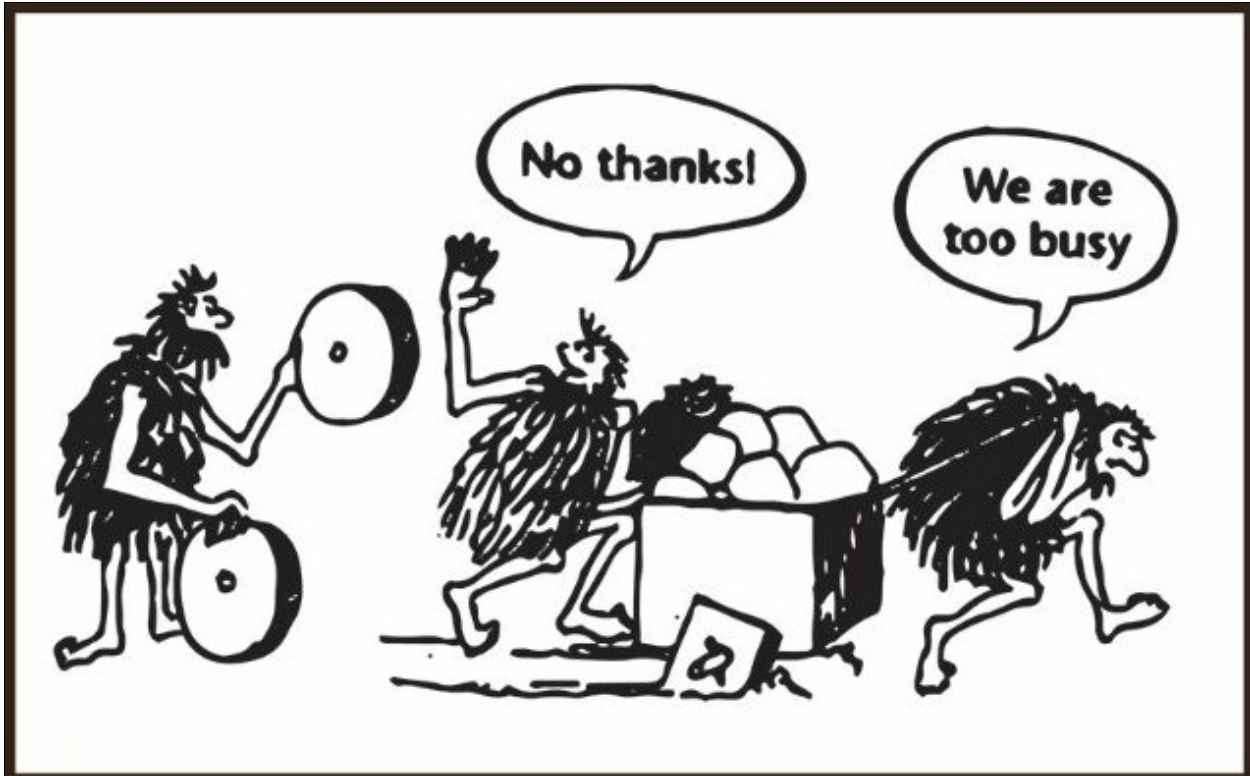


*A cartoon depicting Ignorance & Discrimination at NSF.gov*

*Raju*: Please try/use my 'round wheels' (i.e., hard science *Componentology*) in place of those 'square wheels' (i.e., existing *Junk Science*).

*NSF.gov*: *We do not listen, talk, or consider solutions or discoveries from other races (non-whites), tribes, or religions.*



*No Thanks! Authorities are too stupid to know/understand the obvious*

*Anti-science cult*: What a stupid idea: replacing *junk science* with *hard science*.

*What nerve* to argue that using *hard science* is better than using *junk science*?

Software engineering research has been relying on *junk science (square wheels)* since the 1970s. The only possible solution for the infamous software crisis is using *real science (round wheels)*. No one else in the world has seen/know these *round wheels*: *Componentology* (hard science, which I created). Please see the definitions below:

**The definition for real/hard science:** Any discipline can be qualified as a hard scientific discipline if it satisfies these two essential conditions: (1) the discipline must study physical entities (e.g., animals, trees, microbes, chemicals, microbes, physical product such as cars, airplanes, and components for them) and their reality, which cannot defy the laws of physics/nature, and (2) the discipline must accumulate knowledge based on empirical evidence without violating proven rules and principles of the scientific method.

*“The scientific method is doing whatever it takes to not fool yourself into thinking something is true that is not, or into thinking that something is not true that is.” ... Neil DeGrasse Tyson*

Scientists/reviewers are expected to know the basic/key differences between (i) hard sciences, (ii) soft sciences, and (iii) junk sciences. Hence, it is not my duty/obligation to educate scientists/reviewers about such distinctions between various kinds of sciences: <http://componentology.org/Misc/HardVsSoftSciences.pdf>, and also see below:

## Proof for Existing Theoretical Foundation is Junk Science

The following exhibits comprise a few representative samples or specimen pieces/parts of knowledge in the existing theoretical foundation (in layer 1) for conducting applied or engineering research for software engineering (in layer 2):

Exhibit-B1: <https://wiki.c2.com/?ComponentDefinition>

Exhibit-B2: [http://real-software-components.com/raju/ExhibitB2\\_BookForCBE.pdf](http://real-software-components.com/raju/ExhibitB2_BookForCBE.pdf)

Exhibit-B3: <http://real-software-components.com/raju/WhatIsComponent2.pdf>

Exhibit-B4: [https://www.es.mdh.se/pdf\\_publications/4272.pdf](https://www.es.mdh.se/pdf_publications/4272.pdf)

There are about a dozen incomprehensible, incoherent, and baseless descriptions for components (see Exhibits B1, and B3) and explanations for CBE (see Exhibits B2, and B4), where no two descriptions (or descriptive knowledge) or explanations (or explanatory knowledge) agree with each other.

<b>Two Vital Parts/Layers of the Research Ecosystem</b>
<b><u>Layer-2: Research in Applied Science or Engineering</u></b> <b><u>Layer#2:</u></b> Engineering or Applied Scientific Research, whose objective is to invent useful things and solutions by relying on relevant scientific/theoretical knowledge in Layer#1 (below).
<b><u>Layer#1:</u></b> Basic/Pure Scientific Research, whose objective is to accumulate pure scientific or objective theoretical knowledge comprising of first principles, theories, descriptions, & methods. <b><u>Layer-1: Basic Science or Theoretical Knowledge</u></b>

In the context of any academic discipline, this is an essential and elementary rule for descriptions or explanations: It is impossible to have more than one valid description (e.g., truth, valid answer, or valid explanation). How is it possible to understand and make use of such knowledge about the reality of any physical thing/entity, if the entity/thing has many contradictory descriptions or explanations, that are devoid of any logic or rationale?

It is nearly impossible to find multiple valid theories, concepts, descriptions, or explanations that contradict each other in any academic discipline. The very definition of junk science is a BoK (Body of Knowledge) for a discipline that is filled with incoherent and illogical contradictions. It is unacademic, and unscholarly, to not challenge such kinds of obvious contradictions (see descriptions, or concepts in Exhibits B1, B3, and b4).

Furthermore, it is unacademic and unscholarly junk or flawed knowledge, if any discipline has multiple baseless descriptions and illogical explanations that contradict each other. It is unscholarly and unethical, if the academic community forbids everyone from asking for evidence or questioning the validity of such obvious disgraceful stupidity and deplorable ignorance: <http://componentology.org/Misc/ThreeMaterialFacts.pdf>. Not challenging junk science is unbecoming of a scientist and unethical particularly when the truth/reality (e.g., hard science Componentology) is known: <http://componentology.org/>.

**P.S:** The above exhibits B1 to B4 provide only representative samples or specimens for the existing pieces/parts of knowledge in the huge BoK. Since the year 2001, I could not find any description/explanation, which is congruent with the reality of Componentology. Nothing known today is remotely congruent with the reality of Componentology. The existing BoK in the theoretical foundation (e.g., B1 to B4 in layer 1) comprises contradictory descriptions, concepts, or explanations, is junk science by any conceivable measure, and is not scientific by any stretch of the imagination.

The best method for definitively exposing flawed beliefs/conjectures is to uncover the objective truth/reality, which must be supported by independently verifiable and incontrovertible evidence. When truth/reality is discovered and proven beyond doubt, each and everything that contradicts the truth/reality (e.g., a hard science such as Componentology) must be false. If the objective truth/reality is unknown, each influential or powerful thought leader may assert that their conjectures, descriptions, or explanations represent one of the best possible paths to address pressing problems.