

ReThink, ReFeel and ReImagine Engineering

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Challenging Presentation

- **Come to this presentation with an open, full mind guided by your Intuition/Heart**



Challenge to Engineers: ReDesign

- **“Eco-Effective Design as Design for Sustainability”**
- **“We would like to suggest a new design assignment. Instead of fine-tuning the existing destructive framework, why don’t people and industries set out to create the following:**
 - Buildings that, like trees, produce more energy than they consume and purify their own waste water
 - Factories that produce effluents that are drinking water
 - Products that, when their useful life is over, do not become useless waste but can be tossed onto the ground to decompose and become food for plants and animals and nutrients for soil; or, alternatively, that can return to industrial cycles to supply high-quality raw materials for new products
 - Billions, even trillions, of dollars’ worth of materials accrued for human and natural purposes each year
 - Transportation that improves the quality of life while delivering goods and services
 - A world of abundance, not one of limits, pollution, and waste” (Braungart 90-91).



Grand Challenges to Engineering

- http://www.ecoccs.com/grand_challenges_engineering.html
Grand Challenges for Engineering
(rethink, reimagine, & reFeel our profession) by Irucka Embry, E.I.T.;
EcoC²S Principal



Falsity of Conclusions

- **“I know that most men - not only those considered clever, but even those who are very clever and capable of understanding most difficult scientific, mathematical, or philosophic, problems - can seldom discern even the simplest and most obvious truth if it be such as obliges them to admit the falsity of conclusions they have formed, perhaps with much difficulty - conclusions of which they are proud, which they have taught to others, and on which they have built their lives.”**
 - Lev Nikolayevitch Tolstoy (Leo Tolstoy), From the Opening to Ch 14. Translation from: *What Is Art and Essays on Art* (Oxford University Press, 1930, trans. Aylmer Maude); Source: [Wikiquote page on Leo Tolstoy](#)



Tyranny of Certain Scientific Conceptions

- **“The history of science shows that the progress of science has constantly been hampered by the tyrannical influence of certain conceptions that finally came to be considered as dogma. For this reason, it is proper to submit periodically to a very searching examination, principles that we have come to assume without any more discussion.”**

– *Will Quantum Physics Remain Indeterministic*, in Louis de Broglie (1953).
The revolution in physics: a non-mathematical survey of quantum
. Noonday Press. p. 237.; Source:
Wikiquote page on Louis de Broglie



False Science = False Engineering

- **Scarcity = War = Limited (in time and space)**
- **Left Brain/Reptilian (R-Complex) over Heart Intelligence**
- **Universal Laws (which are not universal)**
 - Newton's Laws of Physics
 - Second Law of Thermodynamics
- **Gravity as the Central Force**
 - Einstein's Theory of General & Special Relativity
 - Big Bang Theory
 - Dark Matter
 - Etc.
- **Charles Darwin's Theory of Evolution**
- **Energy from destructive forces**
- **Orthodox Medicine (Cut. Poison. Kill.)**
- **(Over)reliance on toxic high-technology**



Real Science = Real Engineering

- **Abundance = Peace = Full of Possibility**
- **We create reality**
- **Science and Engineering to do good for all**
- **Heart-Centered rather than Left Brain/Reptilian (R-Complex) Centered**
 - Leading with Heart Intelligence and use of full brain
- **Medicine (You heal yourself)**
- **Holographic, Electric Plasma Universe**
- **Biomimicry**
- **Free Energy/Zero Point Energy**
- **Levitation/Anti-gravity**
- **Teleportation**



Copy Nature

- **““Understand Nature, then copy Nature,” was [Viktor] Schauberger’s motto.”**
 - “The Burial of Living Technology” by Jeane Manning (Eisen 196)



Useful Resources

- Institute of HeartMath: <http://www.heartmath.org>
- How the Human Brain Developed and How the Human Mind Works by Manfred Davidmann:
<http://www.solhaam.org/articles/humind.html>
- Creativity-Portal.com:
Learning Creative Habits from Leonardo Da Vinci: Habits of a Creative Artist, Scientist, Inventor
- Schauberger
- Masaru Emoto's Website
- Masaru Emoto's Hado World
- Rupert Sheldrake
- William A. Tiller Foundation for New Science
- The Buckminster Fuller Institute
- Tesla Memorial Society of New York Website:
<http://www.teslasociety.com>



Works Cited

- **Braungart, Michael, and William McDonough. *Cradle to Cradle: Remaking the Way We Make Things*. New York: North Point Press, 2002.**
- **Eisen, Jonathan. *Suppressed Inventions & Other Discoveries: Revealing the World's Greatest Secrets of Science and Medicine*. Garden City Park, New York: Avery Publishing Group, 1999.**

