Sheltering from High-Tech Storms vs Surfing their Big Waves!

Lynn Conway

Professor Emerita of Electrical Engineering and Computer Science, University of Michigan, Ann Arbor March 6, 2018

Arising in the <u>deep archeological past</u> and forming an <u>ever-expanding cloud</u> above, a giant storm now rains high tech 'things' down upon us.

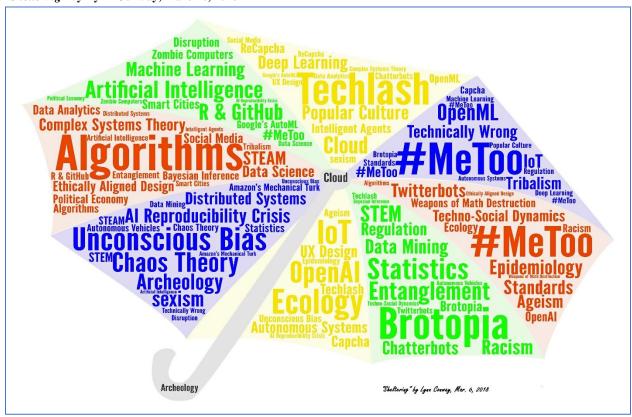
Huddling under individual umbrellas opaque-to-outside-knowledge, how can we make sense of what's happening? Especially those among us who live inside deep silos of expertise?

We need new kinds of umbrellas to shelter under together: transparent umbrellas having many embedded lenses of <u>diverse-knowledge</u> through which to observe the growing storm.

By 'going-meta' as we peer through the lenses, we'll gain and share new insights into the gist of the storms' workings, and form new perspectives on their techno-social dynamics. As we start seeing the 'forests for the trees', we'll evolve clearer visualizations of what's happening and of our places within these vastly entangled techno-social systems.

Someday, we'll even be able to model and predict such systems' 'weather'. However, even now we can begin spotting and adventurously surfing their 'big waves'!

"Sheltering" by Lynn Conway, March 6, 2018



http://ai.eecs.umich.edu/people/conway/Women_In_STEM/Sheltering_from_High-Tech_Storms.pdf

http://ai.eecs.umich.edu/people/conway/Women_In_STEM/Sheltering_LC_3-06-18.jpg

Related links:

https://schedule.sxsw.com/2018/events/PP79139

https://hackernoon.com/who-will-be-responsible-for-sinking-the-next-ai-titanic-37a6b801c843

http://www.lightreading.com/business-employment/women-in-comms/microelectronics-chip-pioneer-envisions-techno-social-innovation-/a/d-id/740816