

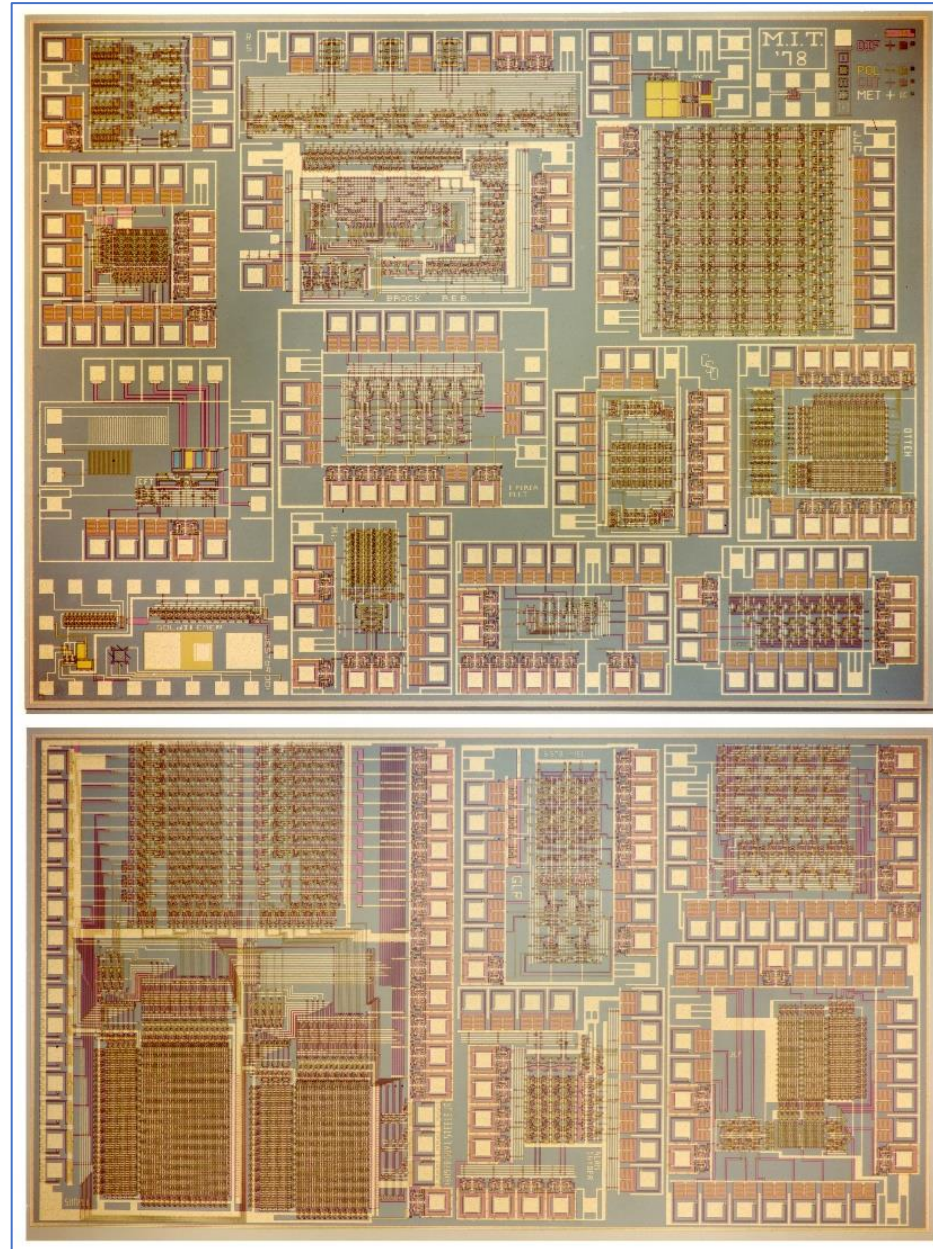
Lynn Conway's
IEEE-SOCC 2022
Dinner-Talk Visuals

FIRST FLIGHT:

Map and photomicrograph of the 19 student projects on the MIT'78 'MultiProject' Chip

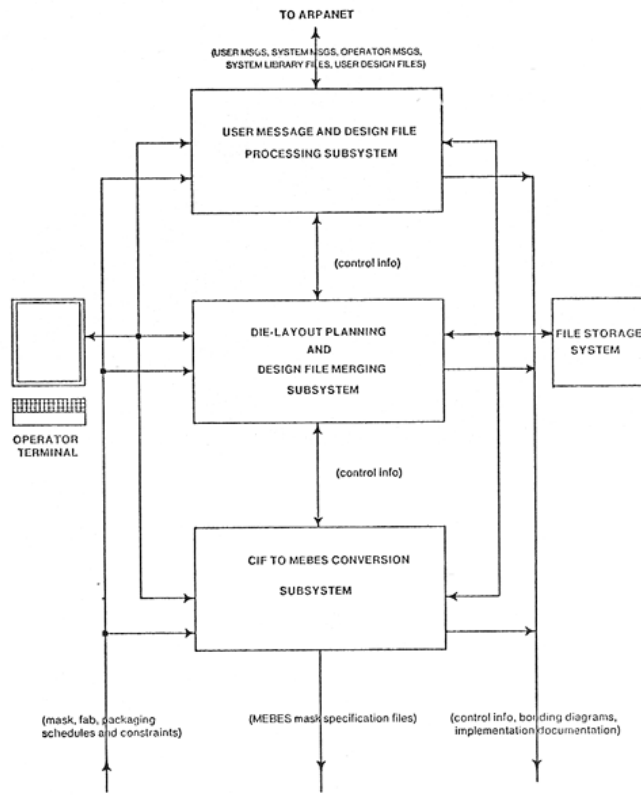
19. Runchan Yang	18. Richard Stern	4. Mike Coln	MIT Test	Align
5. Steve Frank	2. Andy Boughton J. Dean Brock Randy Bryant Clement Leung	3. Jim Cherry		
1. Sandra Azoury N. Lynn Bowen Jorge Rubenstein	13. Ernesto Perea	11. Craig Olson	12. Dave Otten	
7. Nelson Goldikener Scott Westbrook	8. Tak Hiratsuka	9. Siu Ho Lam	10. Dave Levitt	
17. Guy Steele	14. Gerald Roylance	15. Dave Shaver		
	16. Alan Snyder	6. Jim Frankel		

For more about the [MIT'78 course](#), see [Lynn's "MIT Reminiscences"](#)

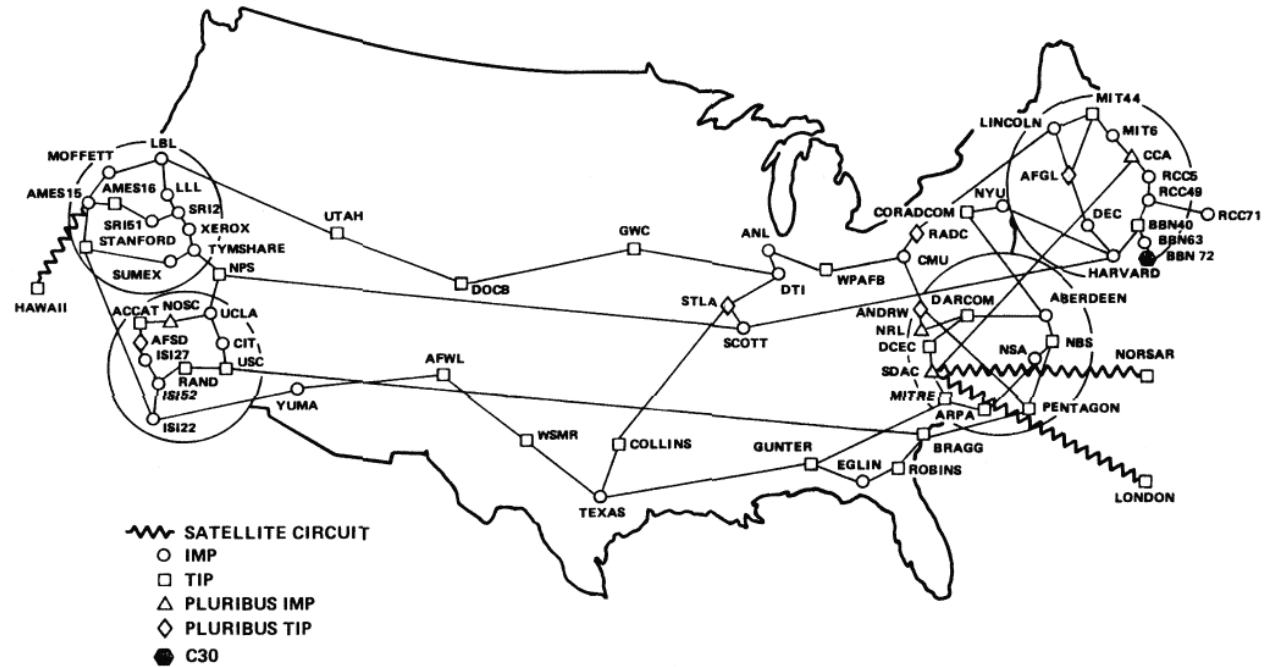


In the fall of '79, we orchestrated a huge "ARPANET Happening" ([MPC79*](#)) Involving 129 budding VLSI designers taking M-C courses at 12 research universities

MPC79 Arpanet E-commerce system:



ARPANET GEOGRAPHIC MAP, OCTOBER 1980



*[The MPC Adventures](#), L. Conway, Xerox PARC, 1981

MPC79 was a large-scale demonstration and validation of the new VLSI design methods, textbook, courses, design tools and e-commerce infrastructure . . . and triggered the exponentiation of the budding VLSI system-design ecosystem.

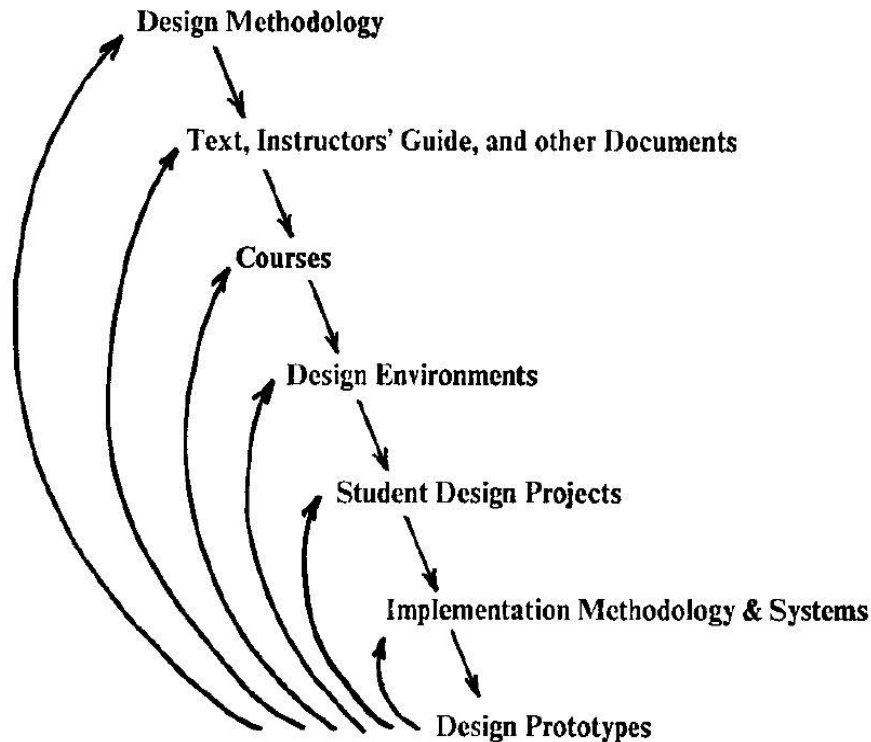
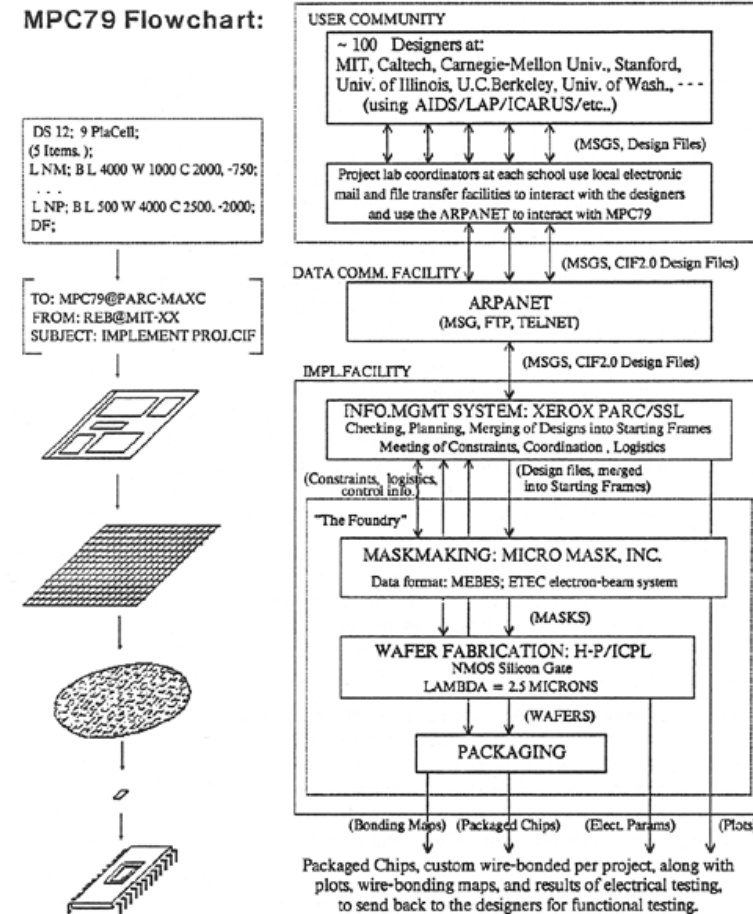


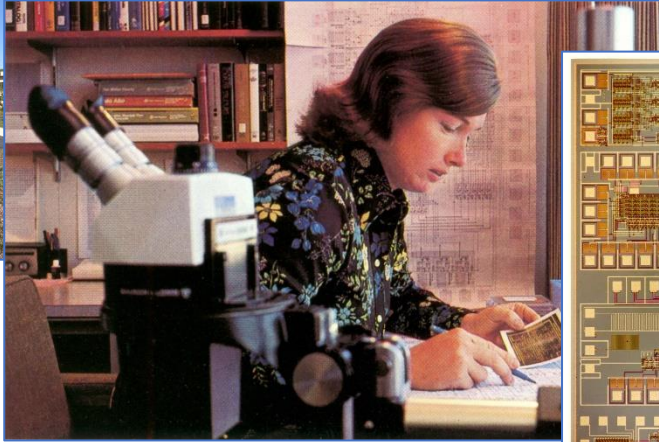
Figure 8. The Joint Evolution of the Multi-Level Cluster of Systems



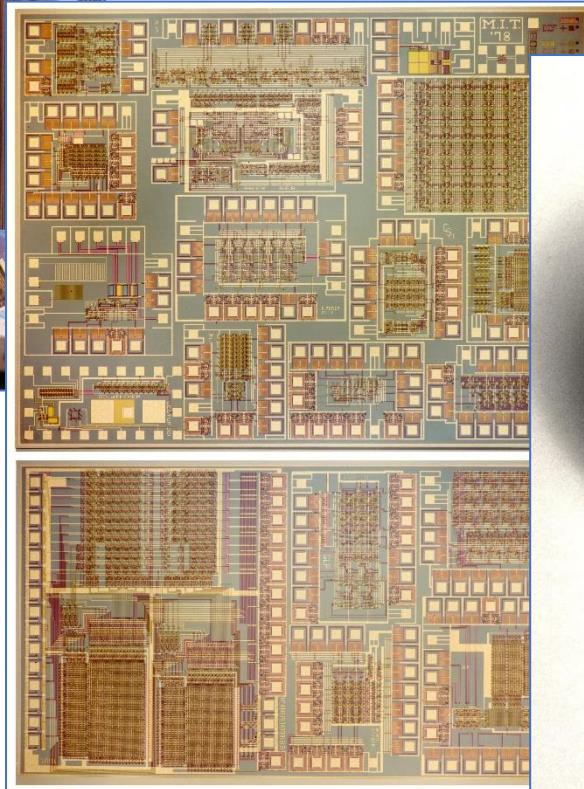
1976



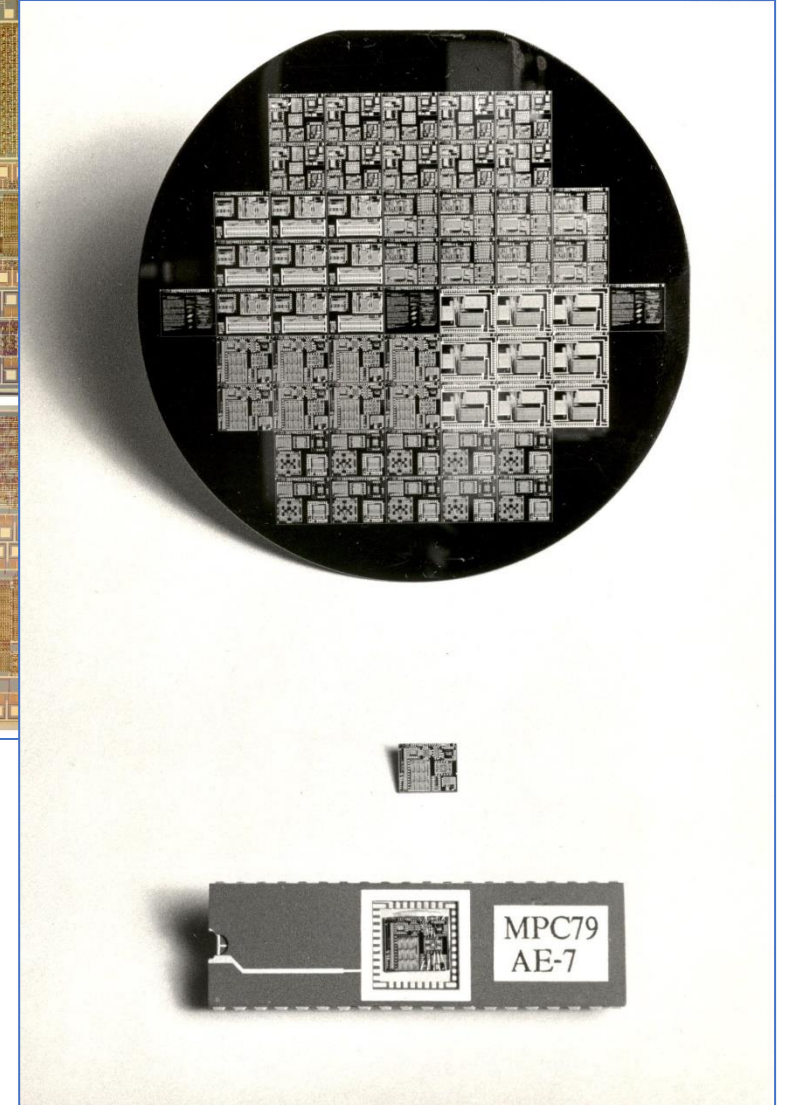
1977



1978



1979



Visualizing the Launch of the VLSI Design Methods

'76: How to cope with VLSI complexity?

'77: Inventing scalable VLSI design rules.

'78: 1st Flight of the VLSI methods at MIT!

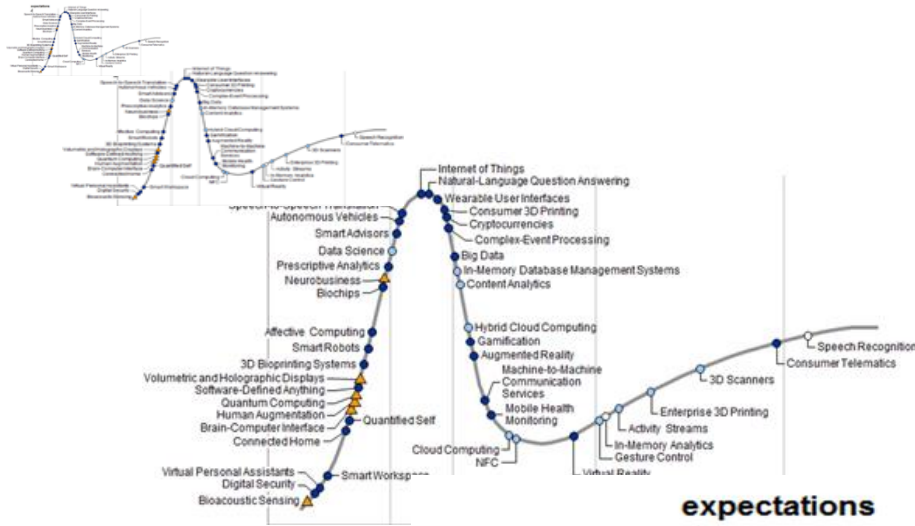
'79: Launching Multiple Flights via MPC79!!

[Lynn Conway](#) and her [Alto](#) in
her office at Xerox PARC (1983)

Photo by [Margaret Moulton](#)



Envisioning incoming waves of innovation as Entangled interactive labyrinths of GHC time-series

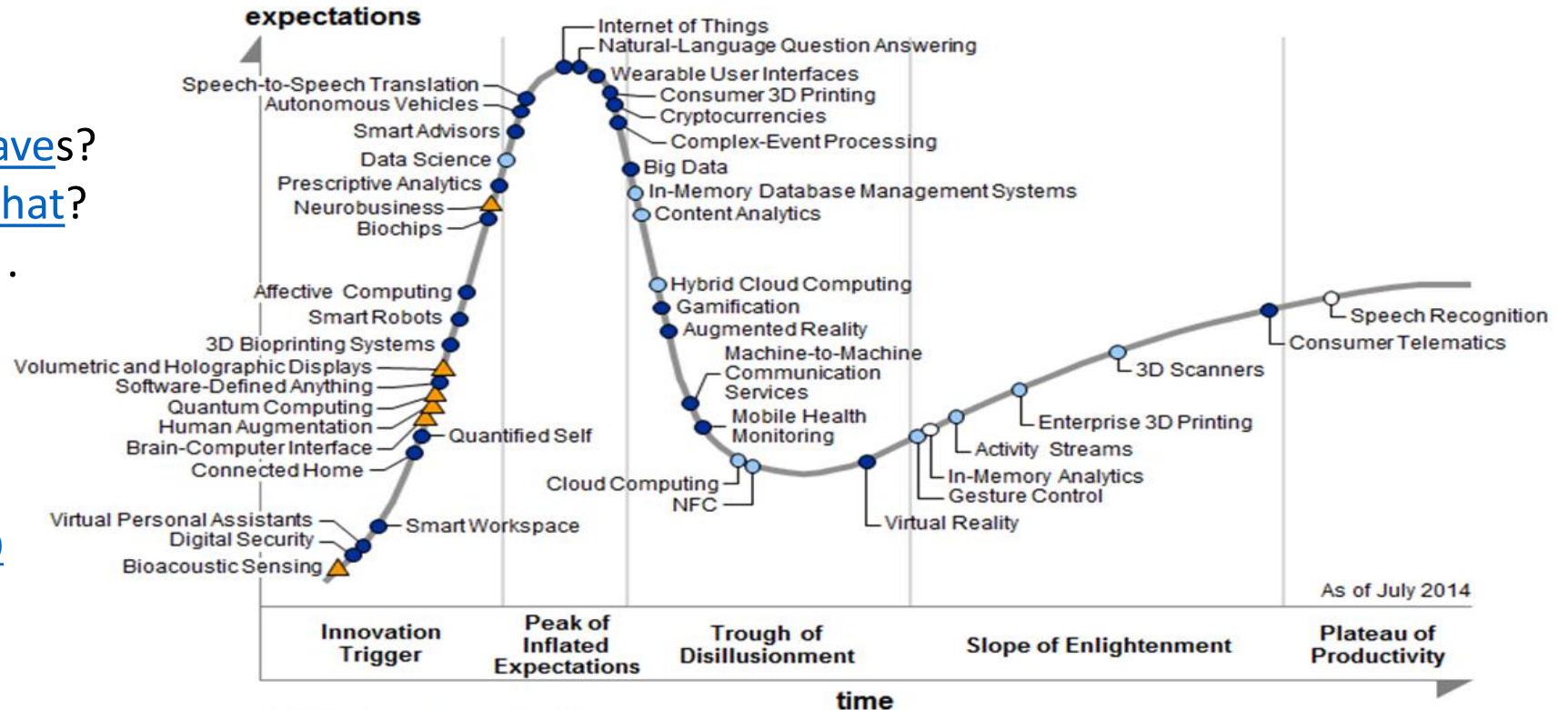


Gartner Hype Cycle 2014

<http://www.gartner.com/newsroom/id/2819918>

Are These Traveling Waves?
Standing Waves? Or What?
 Think Relativistically . . .

This stunning video hints at ways to think about all this: "Water," by Morgan Maasen
<http://vimeo.com/90429499>



Lynn Conway, IEEE SOCC 2022