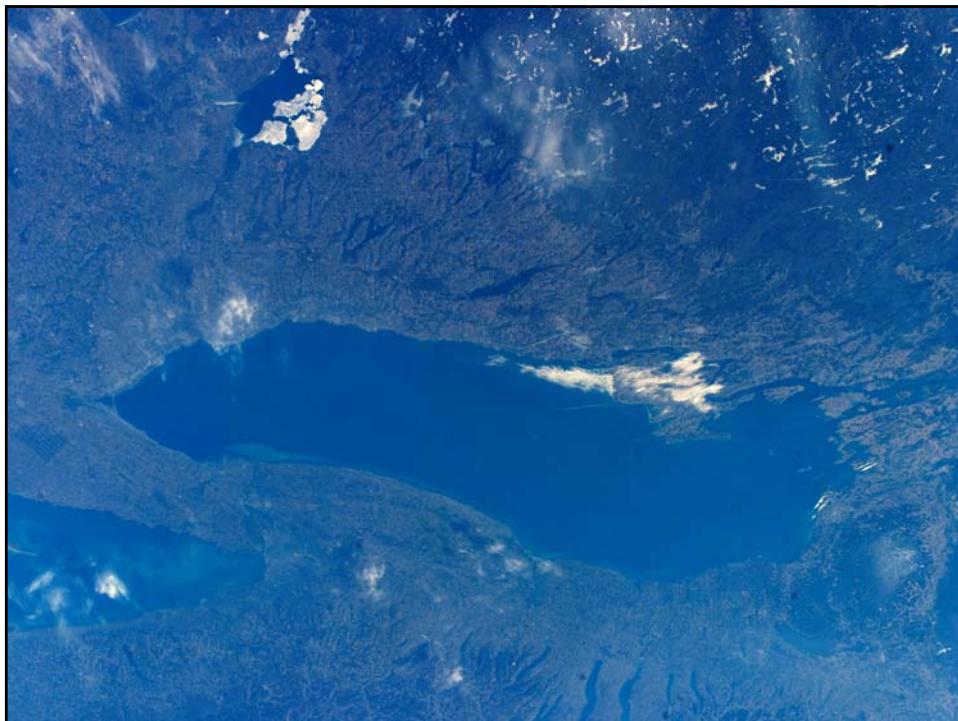


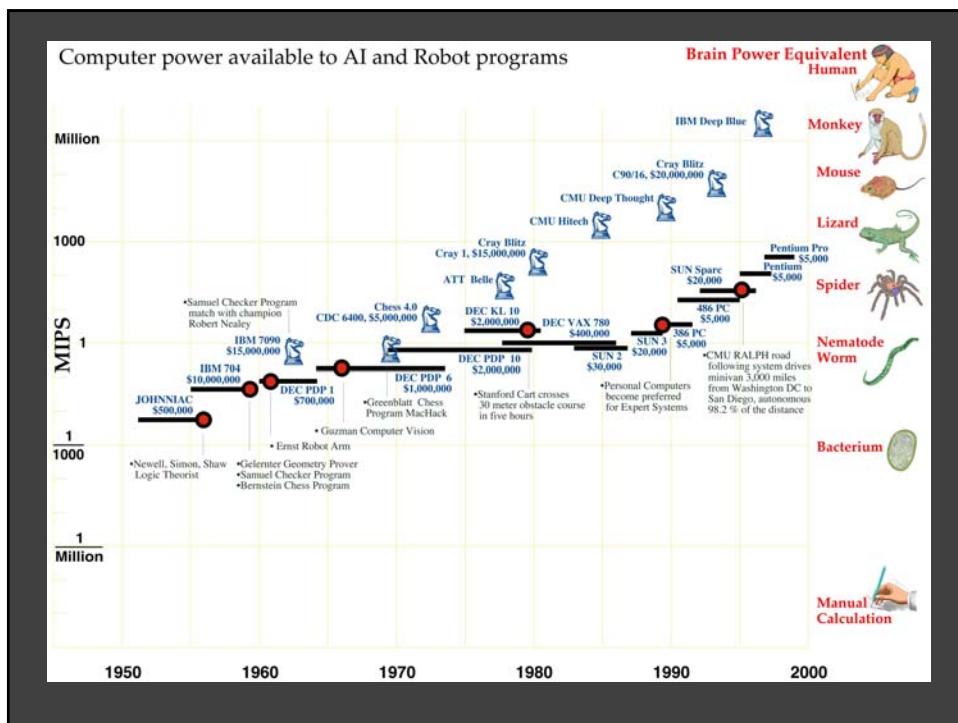
The Singularity

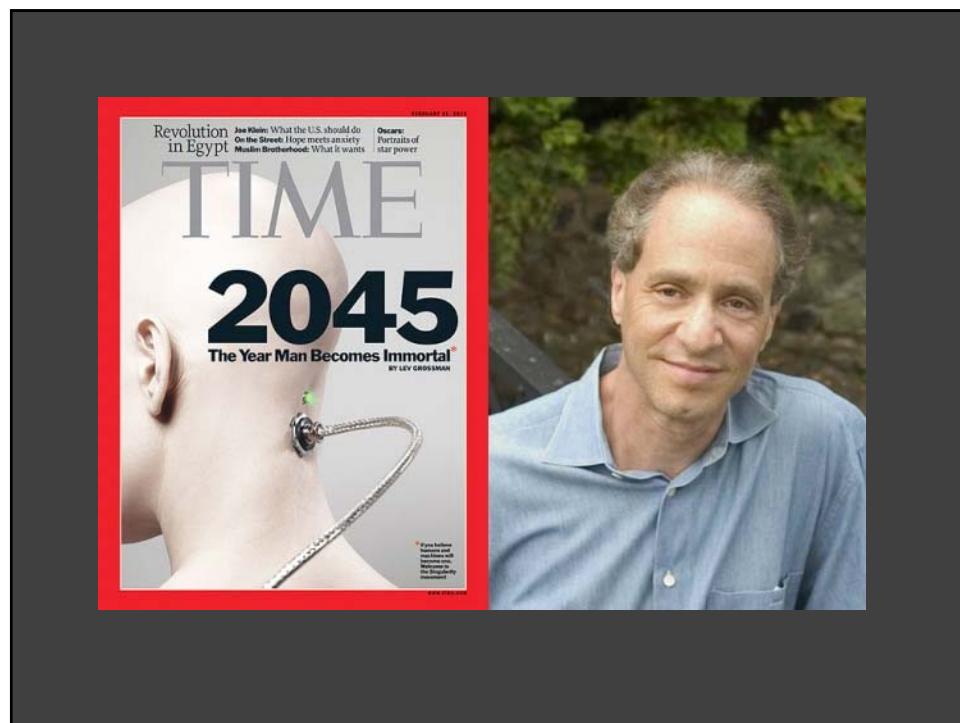
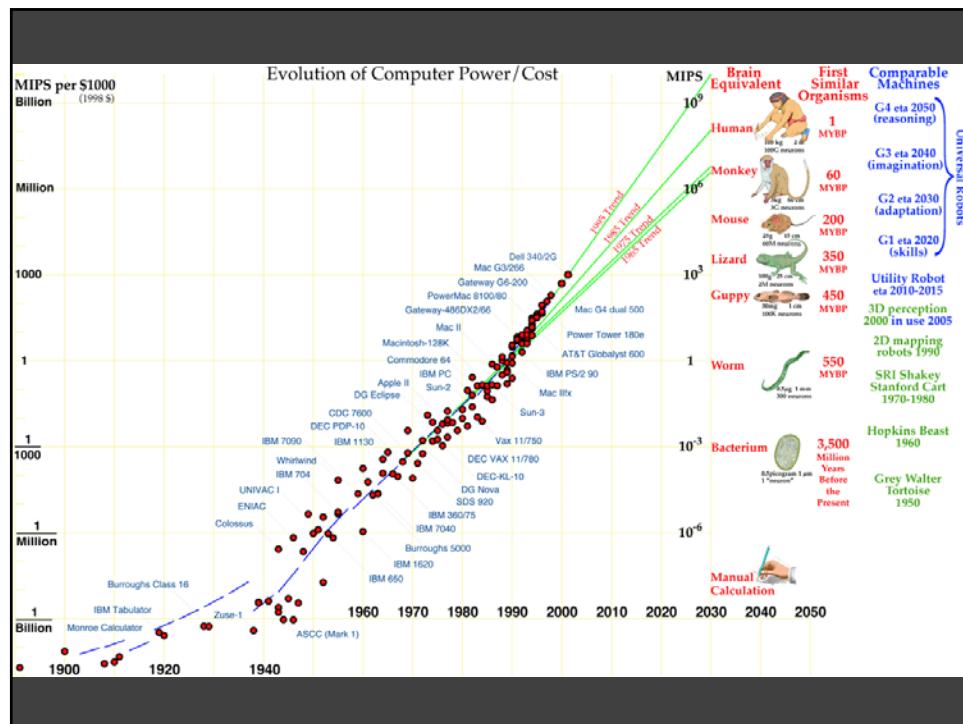
Spring 2015

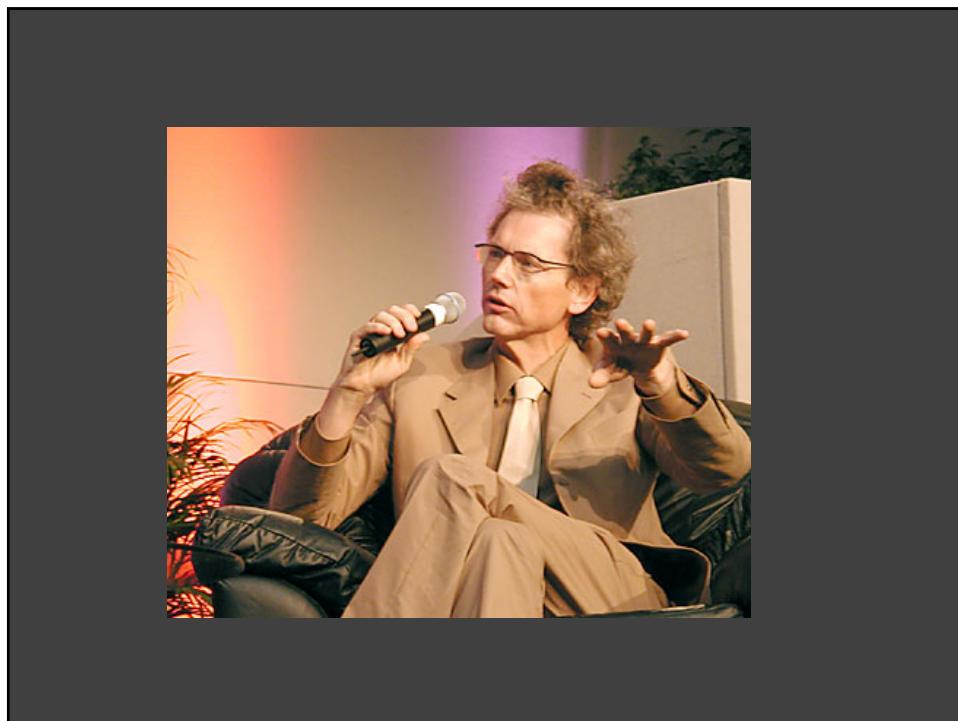
Reid Simmons
Illah Nourbakhsh











Why The Future Doesn't Need Us

- Genetics, Nanotechnology, Robotics
- *Destructive self-replication*
- *Geoengineering*
- *Lack of a code of ethics*
- *"It'll happen gradually. We'll get used to it."*

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The Biointelligence Explosion
David Pearce
HedWeb

Posted: May 11, 2012

How recursively self-improving organic robots will modify their own source code and bootstrap our way to full-spectrum superintelligence.

"*Homo sapiens, the first truly free species, is about to decommission natural selection, the force that made us... Soon we must look deep within ourselves and decide what we wish to become.*"

Edward O. Wilson, *Consilience, The Unity of Knowledge*, 1999

"*I predict that the domestication of biotechnology will dominate our lives during the next fifty years at least as much as the domestication of computers has dominated our lives during the previous fifty years.*"

Freeman Dyson, *New York Review of Books* (July 19, 2007)

1. The Fate of the Germeline

Possible Trajectories

- Merger
- Equivalence
- Surpass

Optional Exercise

- Review: what did not exist in 1990 that is very much extant now?
- Predict: 3 possible futures: what robotic system/device/solution will exist *in the wild* in 2035?