

Reflections on a Cyber Life

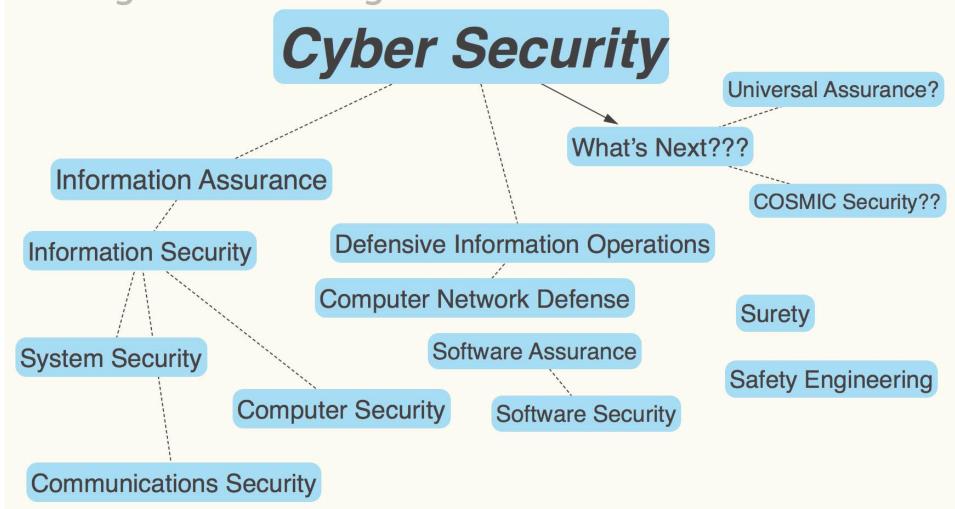
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The Long and Winding Road....







The Seismic Shifts....

- Communications Security → "Cyber"
- Mathematics → CS, Networking, Ops Analytics
- Technology → Information, Operations
- Government monopoly → user/market driven
- "Control model" → open market, "open mission"
- National Security → economic/social Risk





A Lifetime of Lessons Learned....

- Knowing about flaws doesn't get them fixed
- Most of our economy can not defend itself
- In cyberspace, we all have more in common than different
- The Bad Guy doesn't perform magic
 - o almost all attacks are repeats of known patterns
- Defense is always about prioritization
 - o and the 80/20 rule applies (The Pareto Principle)
- Cyber Defense == Information Management
 - o think "translate" and "take action", not "share"; not technology
- Cybersecurity is not an event, a tool, or training it's a machine!
 - o fueled by information, more "Groundhog Day" than "Independence Day"







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