Information reuse and integration is needed to provide our military forces with information dominance. This implies protecting our ever-more complex software systems from infiltration. This, in turn, requires higher-level compilers to make semantic diversity cost effective. This talk will encompass the following topics and provide for a follow-up question-answer session.

- What are the major present approaches to cybersecurity based on diversity?
- What is randomization, how does it apply to cybersecurity, and what is the role of transformation in achieving it?
- Why symbolic heuristics need be acquired and transferred for scalability?
- The Semantic Randomization Theorem (SRT) and its implications
- Why did the AFs KBSE program fail and what needs to be done to make it successful?
- Why the need, and how to make expert systems and expert compilers qualitatively fuzzy?
- Heuristic acquisition for outperforming quantum computing

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