Module 1.3
Cyber Security Technologies

Ravi Sandhu

Spring 2021
“My dear, here we must run as fast as we can, just to stay in place. And if you wish to go anywhere you must run twice as fast as that.”

— Lewis Carroll, Alice in Wonderland
“My dear, here we must run as fast as we can, just to stay in place. And if you wish to go anywhere you must run twice as fast as that.”

— Lewis Carroll, Alice in Wonderland
Cyber Security Fundamental Limits

- Copy control
- Inference
- Analog hole
- Trusting humans vs trusting software
- Trusted computing base vulnerabilities
- Side channels and covert channels
- ..................