



## Security and Privacy in the Networked World

Prof. Ravi Sandhu
Executive Director and Endowed Chair

CODASPY Panel March 3, 2014

ravi.sandhu@utsa.edu www.profsandhu.com www.ics.utsa.edu



### Questions



- What technologies and standards have proven to be not that useful from the perspective of safeguarding security?
- What new technologies hold the most promise from the perspective of safeguarding security?
- > What other fields should we look to for inspiration?
- What is the right mix of policy, technology, and legal recourses to minimize loss?



### Questions

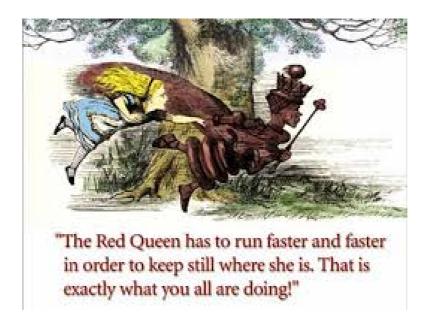


- What technologies and standards have proven to be not that useful from the perspective of safeguarding security?
- What new technologies hold the most promise from the perspective of safeguarding security?
- > What other fields should we look to for inspiration?
- What is the right mix of policy, technology, and legal recourses to minimize loss?



#### Perennial State of Cyber Security







Micro-security



Macro-security







➤ What is the value of being "secure" while being "insecure"?



# Grand Challenges



- Cyber security as reconciliation of tradeoffs
  - Finding Goldilocks
- > Holistic versus myopic security
  - > Don't miss the forest for the trees
- >Technical versus social mechanisms
  - > Neither one is sufficient