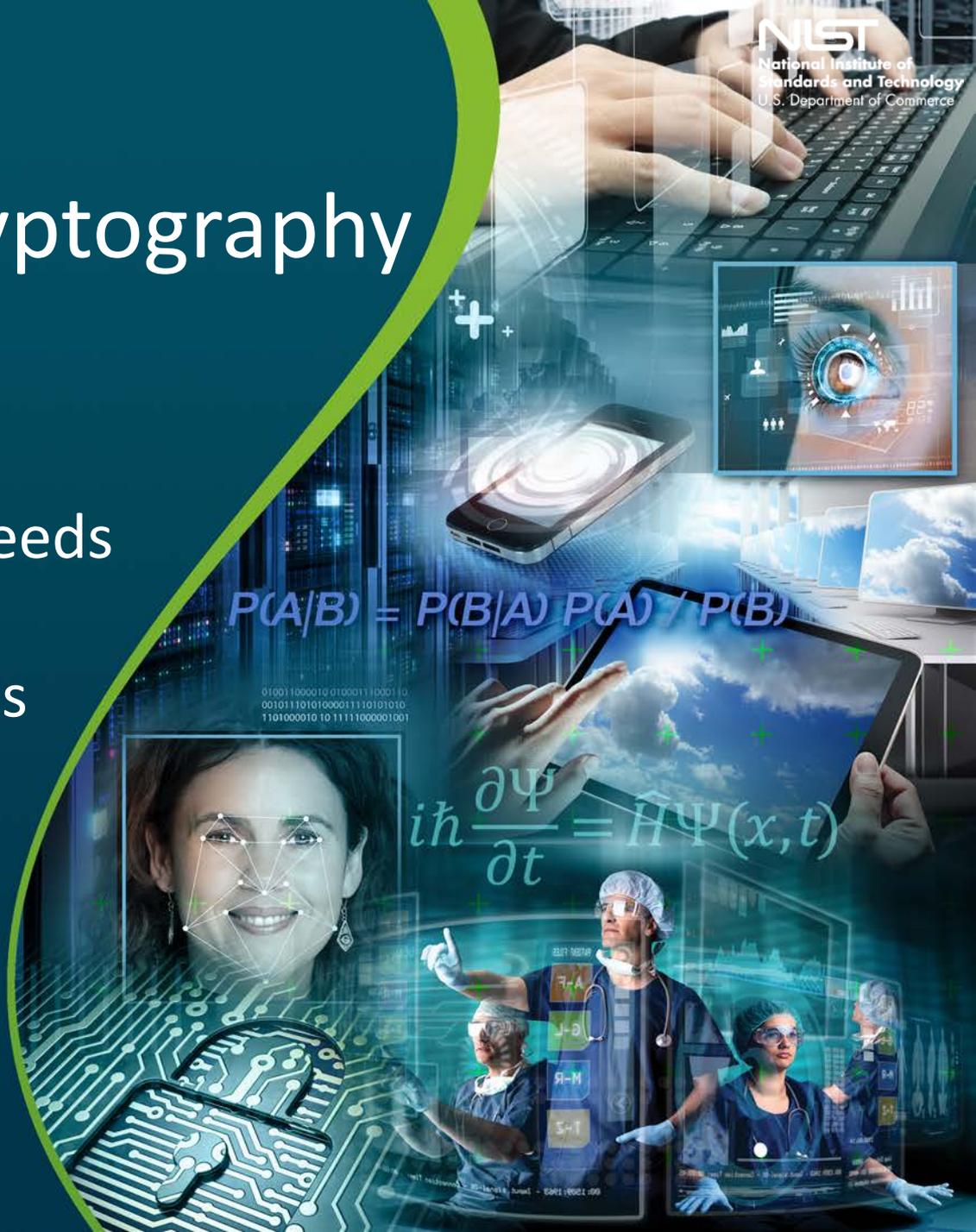


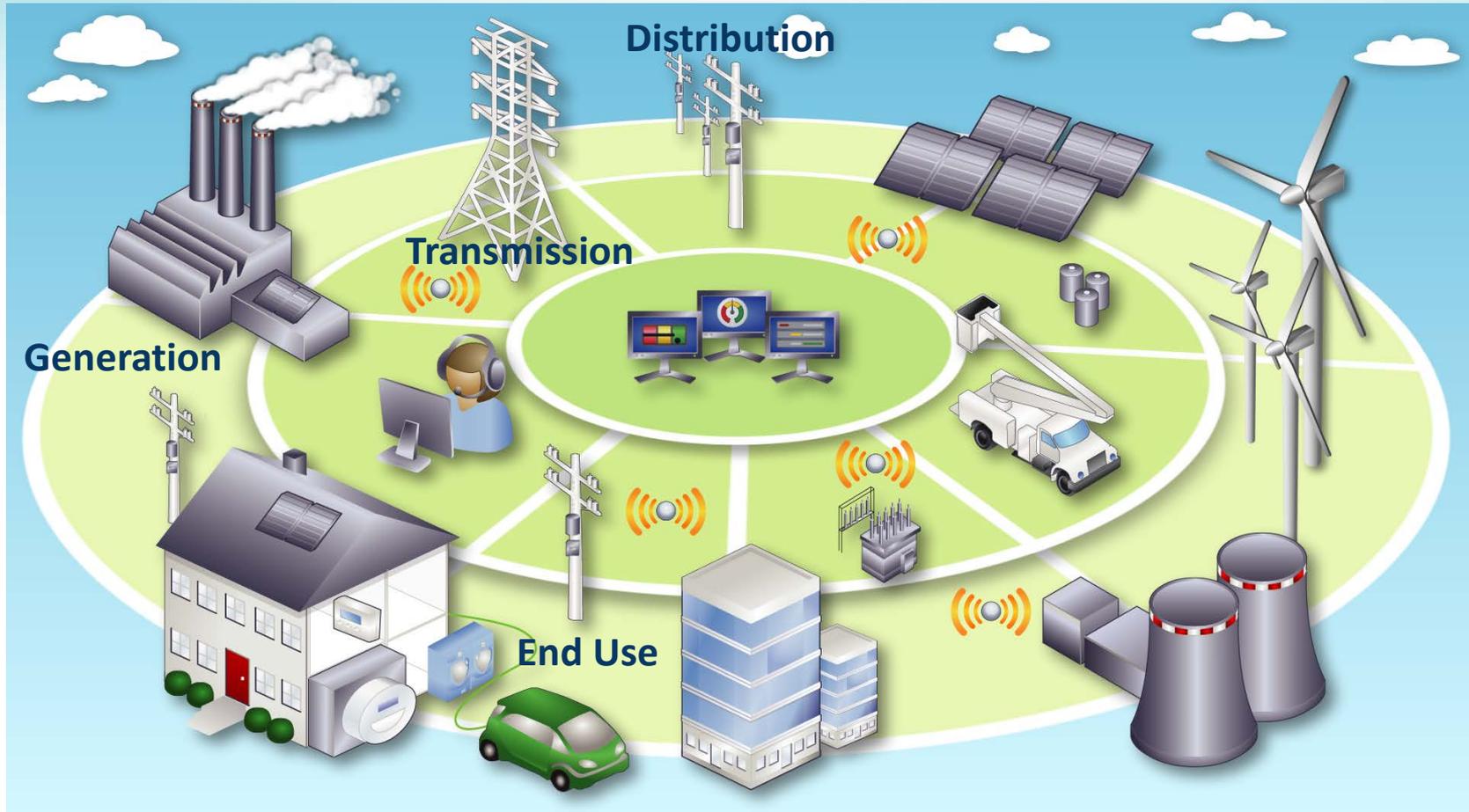


Lightweight Cryptography Workshop

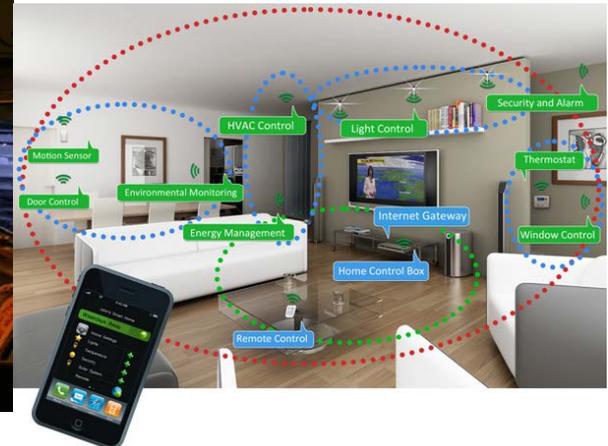
Session IV: Industry Needs Smart Grid and Cyber-Physical Systems



Smart Grid



Cyber-Physical Systems



Cryptography and Key Management Challenges for Smart Grid and CPS

- Determining the appropriate use cases
- Determining the appropriate performance metrics
- Computational constraints
- Communication channel bandwidth
- Connectivity
- Certificate lifetimes (and device lifetimes)
- Upgradeability
- **Preserving C, I & A vs. impact on safe, reliable operation**