Cybersecurity Research Needs

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From Roots of Trust... to the Dangers of Today

1969 – ARPANET
1982 – Internet
2017 – *Unsafe at any speed*

*Q: Which one of those cables goes to the Internet?*
*A: Ask the Bad Guys! They know!*
Defense-in-Depth Infrastructure Approach

Defining Cybersecurity Best Practices
Research with Operational Technology Focus

• Reduce Cost
• Decrease Complexity
• Design for Distributed M2M Systems
• Monitor Systems Continuously
• Interoperate at boundaries  

...Standards lag Innovation
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