

Cybersecurity – How Did We Get Here And Where Are We Going?

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Abstract. There is little question about the current state of cyber(in)security in the systems on which many of our daily activities depend. Recently, the Wall Street Journal highlighted how much companies depend on users making essentially impossible discriminations in order to avoid compromising corporate systems. This talk will lightly survey the history of the field and describe some current government research initiatives. Audience discussion will be invited on strategies for extricating ourselves from the mess in which we find ourselves.

Short Bio. For many years, Dr. Landwehr led research projects in computer and information security at the Naval Research Laboratory. For the past decade, he has led programs to fund cybersecurity research at the National Science Foundation, the Intelligence Advanced Research Projects Activity (IARPA) and its predecessor organizations. He recently ended a four-year term as Editor-in-Chief of IEEE Security and Privacy magazine. He has received numerous awards from IFIP, IEEE, and ACM for his research and service activities.