**Common Presentation Topics:**

Below is a list of most commonly requested presentation topics, many other topics can be made into a presentation. Dr. Jacobson has given over 50 presentations in the past 5 years on different security related topics.

**Information Warfare: how do hackers hack?**

Experts say we are in the middle of a cyber war and we are losing. This presentation will look at the conflict from the hacker's viewpoint. Because as Sun Tzu stated: "If you know the enemy and know yourself, you need not fear the result of a hundred battles. If you know yourself but not the enemy, for every victory gained you will also suffer a defeat." Hackers today have a large array of tools and support information to help them carry out their attacks. In this presentation we will look at the processes used by hackers to locate targets, identify weaknesses, exploit vulnerabilities and create havoc.

**Computer Security: attacks and defenses in the new world.**
**or**
**Securing your business: What should you fear from the E in e-business**

This presentation will provide an overview of the security issues associated with connecting to the Internet. Issues of privacy, data protection, security policies, worker productivity will be presented. Common attacks, defenses, and misconceptions will be presented.

**Overview of Computer Security**

This presentation is often given to non-technical groups that want a 15-20 minute overview of computer security issues.

**Doug Jacobson**

Doug Jacobson is an Associate Professor in the Department of Electrical and Computer Engineering at Iowa State University. Dr. Jacobson joined the faculty in 1985 after receiving a PhD degree in Computer Engineering from Iowa State. Dr Jacobson is currently the director the ISU Information Assurance Center, which has been recognized by the National Security Agency as a Center of Academic Excellence for Information Assurance Education, and to date, Iowa State has one of the largest education programs in Information Assurance in the United States. Dr. Jacobson's current funded research is targeted at developing robust countermeasures for a difficult class of network-based security exploits called "denial of service attacks". Research clients include the National Science Foundation and the Department of Defense. A few funded projects have led to patents and have been successfully transferred industry to become commercial products.

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