



FOREFRONT – Cyber Risk to Nuclear Security

In a live online workshop held over three days on July 20, 21 and 22 sponsored by the NNSA's Office of Defense Nuclear Nonproliferation (DNN) will focus on raising awareness of emerging technology and the corresponding cyber related risks and opportunities for nuclear security. This will include discussions about threats, vulnerabilities, and potential consequences of compromise.

DNN is proud to announce that the keynote speaker for this inaugural event will be Dr. Fred Cohen. For those who've spent a few decades in the cybersecurity industry, Dr. Cohen is a known quantity and is recognized for devising solutions to complex cyber problems decades before these problems were well known. For those who do not know about Dr. Cohen, you can visit his <http://fc0.co/> and <http://all.net/> Web sites.

Keynote Speaker: Dr. Fred Cohen



Fred Cohen has a long history of being ahead of the curve. He first defined the term "computer virus" and invented most of the widely used computer virus defense techniques, led the team that defined the information assurance problem as it relates to critical infrastructure protection, did seminal research in the use of deception for information protection, is a leader in advancing the science of digital forensic evidence examination, and has been a top flight information protection consultant and industry analyst for many years. Along the way, he has started, grown, exited, and assisted in scores of companies,



including Advanced Systems Protection, Management Analytics, Fred Cohen & Associates, Security Posture, The Radon Project, Fearless Security, TechVision Research, Angel to Exit, and many others.

His work on cybersecurity extends far beyond these areas. In the 1970s he designed network protocols for secure digital networks carrying voice, video, and data; and he helped develop and prototype the electronic cashwatch for implementing personal digital money systems. In the 1980s, he developed integrity mechanisms for secure operating systems, consulted for many major corporations, taught short courses in information protection to over 10,000 students worldwide, and in 1989, he won the prestigious international Information Technology Award for his work on integrity protection.

Fred has authored more than 200 invited, refereed, and other scientific and management research articles, wrote a monthly column for Network Security magazine on managing network security for 6 years starting in 1995 and continues as an Internet-based series through today more than 25 years later, and has written several widely read books on information protection.

Today, Dr. Cohen is:

CEO of Management Analytics, a trusted advisory firm specializing research and advisory services, litigation support, developing high demand graduate education programs, the Cyber Labs where students do live exercises in cyber-security, forensics, and related courses, pathfinder studies, and business growth strategies.

Member of Angel to Exit , a company that forms and operates advisory boards and supports early stage and growth oriented companies seeking to accelerate.

With more than 45 years of experience and a global reputation for integrity, accuracy, and innovation, Fred Cohen is widely considered one of the world's leading authorities in information protection and risk management.

Full bio available on the FOREFRONT Whova site