

**TRACK:** IT Security  
**SESSION #:** IT4  
**DATE:** Tuesday February 5, 2008  
**TIME:** 9:00 – 10:00AM  
**SESSION TITLE:** "What's Wrong With Our Security Thinking?"  
**SPEAKER(S):** Dr. Peter Tippit, V.P. Of Research Intelligence  
**ORGANIZATION:** Verizon Business

**ABSTRACT:** Information security losses for financial institutions continue to worsen each year despite our increased spending on controls, countermeasures, patches, programs, standards, security technologies, monitoring, and etc. Our spending, training, IT focus and compliance activities are truly extraordinary and growing. Dr. Tippett will provide an analysis with numerous examples of three fundamental flaws in our decision making and information security logic that have led to significant waste and mis-directed activities.

- Vulnerability logic fallacies
- Binary logic fallacies
- Single computer logic fallacies

Dr. Tippett will present data on actual losses (Electronic, Malicious Code, Privacy, and Insider) along with data on the effectiveness of different kinds of countermeasures against these losses in financial institutions. He will show which kinds of countermeasures work and how well and a cohesive model that can be used by any information technology practitioner to achieve both better compliance and better security.

**SPEAKER BIO(S):** Peter S. Tippett is a Vice President, Research and Technology for Verizon Business, Security Solutions. He has led large software development, product management production labs, technology research and intelligence teams. He is widely credited with creating the first commercial anti-virus products, which later became Norton-Anti-virus. He is currently best known for his creation of pragmatic enterprise risk metrics and large, risk intelligence and compliance management programs. Dr. Tippett received a Ph.D. in Biochemistry and an M.D. in Internal Medicine from Case Western Reserve University. He is on the President's Information Technology Advisory Committee to help guide US efforts in Healthcare IT, Information Security and Computational Sciences research.