



Current Cyber Threat Review

ISSA-Utah Winter Seminar, December 7, 2017

Speaker: **John McClurg**, VP & Ambassador-At-Large, Cylance

Subject: Emerging Changes in the IT Risk Prevention Paradigm

Abstract: From almost the moment I left academia for government service and thereafter, I was introduced to and have lived stymied, notwithstanding other intentions, in the world of the reactive. For decades we in the security profession, have relied on the best technology we had at the time to deflect the onslaught of change we faced daily in the way of malware and other attacks. The effectiveness of that AV technology was always predicated on having latest signatures on hand, which the adversaries could easily defeat with just the slightest modification of their last iteration. That signature-based paradigm required much in the way of downstream resources and expense and usually at least one “sacrificial lamb” upon which to let each new instance of threat sink its teeth. On a good day, the capture and deflection rates rarely rose above 50%, requiring that we labor assiduously to manage leaderships’ expectations. We finally got them to understand and accept what became almost a mantra: “It’s not if but when” --as galling professionally as that admission was to make. However, just as predicted by Thomas Kuhn in his book the Structure of Scientific Revolutions, we’re seeing the dawn of a new day where AI’s machine learning and advance mathematical algorithms now offer validated deflection rates, pre-execution, in the realm of 99%. Our lunch discussion will explore this emerging new paradigm and what it portends for the future.

When: Thursday, 7 December 2017
Doors open at 11:00 a.m. for networking,
Presentation: 11:30 a.m.
Lunch served at 12:20 p.m., door prize drawing following lunch.

Cost: ISSA and ISACA members: \$35, Non-members: \$50.

Limited seating – Register today!

**YOUR PAID REGISTRATION IS YOUR ENTRANCE FOR THE DOOR
PRIZE GIVEAWAY!**

Where: NOAH’s of South Jordan, Room 300.
322 11000 S, South Jordan, UT 84095 ([map](#))

Register: Online at the <http://www.issa-utah.org>; payments processed via PayPal.
If you have registration questions, email: treasurer@issa-utah.org.

Registration closes Wednesday, 29 November 2017 at 5:00 p.m.

All attendees must register prior to the event.

Join ISSA: https://www.issa.org/general/register_member_type.asp
General membership fee is \$110; student fee \$45 per year.

JOHN MCCLURG

John E. McClurg serves as Vice President and Ambassador-At-Large for



Cylance. He comes to Cylance from Dell, where he served as its CSO.

Before joining Dell, McClurg served as the Vice President of Global Security at Honeywell International; Lucent Technologies/Bell Laboratories; and in the U.S. Intelligence Community, as a twice-decorated member of the Federal Bureau of Investigation (FBI), where he held an assignment with the US Department of Energy (DOE) as a Branch Chief charged with establishing a Cyber- Counterintelligence program within the DOE's newly created Office of Counterintelligence. Prior to that, McClurg served as a Supervisory Special Agent within the FBI, assisting in the establishment of the FBI's new Computer Investigations and Infrastructure Threat Assessment Center or what was later known as the National Infrastructure Protection Center within the Department of Homeland Security. McClurg also served, for a time, on assignment as a Deputy Branch Chief with the Central Intelligence Agency, helping to establish the new Counterespionage Group and was responsible for the management of complex counterespionage investigations. He also served as a Special Agent for the FBI in the Los Angeles Field Office where he implemented plans to protect critical U.S. technologies targeted for unlawful acquisition by foreign powers and served on one of the nation's first Joint Terrorism Task Forces.

McClurg was recently voted one of America's 25 most influential security professionals; holds a J.D. Degree from Brigham Young University; is a member of the Utah Bar Association; Co-chaired the Overseas Security Advisory Council (OSAC) of the U.S. Department of State; sits on the FBI's Domestic Security (DSAC) & National Security Business Alliance Councils (NSBAC); and served as the founding Chairman of the International Security Foundation.