

Talk: Advanced Persistent Threats (APTs)

Focused, Sophisticated, and Silent

Date/Time: Friday, March 11, 2016 / 9:00 am — 11:00 am

Place: EC-032

RSVP: <https://goo.gl/PzhRGs> (seating is limited)



About the Firewallside Chats Talk Series

ECS Center for Cyber Security debuts its Spring 2016 *Firewallside Chats* talk series. The series will feature faculty and industry experts, discussing pressing issues in cyber security. All events are free and open to the public.

About this Firewallside Chat

This talk will feature Dr. Mikhail Gofman from California State University, Fullerton's Computer Science Department who has more than ten years of experience in cyber security, and security expert Mr. Chris Webb who is the founder and the president of the E2VE Venture Engineering security consulting firm.

The talk will be followed by a debriefing session held by the Offensive Security Society (OSS).

WHAT IS AN ADVANCED PERSISTENT THREAT?



Targeted

An individual organization, nation state or even specific technology is the focus. Infiltration is not accidental.



Advanced

An unknown, zero day attack that has malware payloads and uses kernel rootkits and evasion-detection technologies.



Persistent

It doesn't stop. It keeps phishing, plugging and probing until it finds a way in to serve malware.

Source: www.swirlingovercoffee.com

Advanced Persistent Threats (APTs) are a class of highly targeted cyber attacks that are extremely sophisticated, incredibly stealthy, and are notoriously difficult to detect and neuter.

Every year APTs target companies and government institutions around the world. APT damages include sensitive data theft, crippling revenue losses for businesses, divulgence of national secrets, and sabotage of the nations' critical infrastructure (e.g., power plants).



Dr. Mikhail Gofman will provide an overview and analysis of APTs, and the threats they pose to businesses, government organizations, and individuals.



Mr. Chris Webb will share his experiences with APTs in the wild and will educate prospective security experts and future business leaders on what they need to know in order to defend against the ever growing number and destructive power of APTs.



Offensive Security Society (OSS) is a professional student group interested in taking a proactive (i.e., offensive) approach to cyber security. OSS holds security training workshops, talks, and collaborates with the center on events such as the *Firewallside Chats* Series.